Malla Reddy Engineering College (Autonomous)

B.Tech– I Sem (MR 15) Ist Mid Examination Subjective Question Bank

Subject: Automation in Manufacturing Branch / Specialization: ME/Mechanical

Name of the faculty: Dr. Zaheer Ahamed T

Instructions:

1. All the questions carry equal marks

2. Solve all the questions

Question No	Questions (Module 1)	Blooms Taxonomy Level	СО
1	What are types of automation? Discuss them briefly.	Evaluate	1
	OR		
2	Discuss the important components used in automated systems.	Analyze	1
3	Draw the general structure of a hydraulic circuit and explain important components involved in it.	Understand	1
	OR		
4	Draw the general structure of a pneumatic circuit and explain important components involved in it.	Understand	1
5	Explain all the strategies of automation,	Analyze	1
	OR		
6	Expalin the automation in machine tools.	Understand	1
	,		_
7	Explain automated tool changer.	Understand	1
	OR		
8	Explain machine tool control in automation.	Understand	1

Question No	Questions (Module 2)	Blooms Taxonomy Level	СО
1	Discuss the efficiency of automated flow lines with storage buffer.	Evaluate	1
	OR		1
2	Explain the differences between intermittent transfer mechanism and power and free transfer mechanism.	Analyze	1
	T		
3	Illustrate the working of walking beam transfer system with the help of neat sketch.	Understand	1
	OR		
4	Sketch and explain ratchet and pawl mechanism.	Understand	1
5	Explain briefly cam mechanism for material transfer with the help of neat sketch.	Analyze	1
	OR		
6	Expalin the use of buffer storage zones in automated flow lines.	Understand	1
7	Discuss the important general terminology used in the analysis of automated flow lines.	Understand	1
	OR		
8	What are the two basic approaches used in the analysis of transfer lines without storage. Explain them briefly.	Understand	1

Question No	Questions (Module 3)	Blooms Taxonomy Level	СО
1	Explain the flexible assembly line.	Evaluate	1

	OR		
2	Explain the differences between manual and automated assembly system.	Analyze	1
3	Explain the following terms related to line balancing a) station time b) cycle time c) line efficiency d) balance delay	Understand	1
	OR		
4	What are the considerations made in assembly line design.	Understand	1

Signature of the Faculty

HOD,ME

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Module 1

1. Hydraulic drives are used for a robot when a) high torque is required	(Understanding)	[]
b) high power is required			
c) rapid motion of robot arm			
d) all of the mentioned			
2. The following type of robot is most suitable for p	pick and place operations	[]
a) rectangular			
b) cylindrical			
c) spherical			
d) jointed arm type			
3. Which device is mostly associated with automati	on? (Understanding)	[]
a) flexible manufacturing	_		
b) robots			
c) computer graphics workstation			
d) NC machine			
4. Choose the basic element for an automated mach	ine tool	[]
a) logic			
b) NC tape programming			
c) software			
d) workstation			
5. Automation normally means:	(Understanding)	[]
a) a net loss of jobs.			
b) a net increase in jobs.			
c) no change in jobs.			
d) All of the above			
6. Productivity is defined as:	(Remembering)	[]
a) number of items manufactured per day			
b) output per man-hour of labour			
c) cost per day			
d) cost per unit			
7. The first industrial robot for commercial uses wa		-	
Automatic Loom Company, the parent company of		ıp. wne	
robot go into operation?	(Understanding)	L]
a) June 1965			
b) November 1966			
c) December 1967			
d) April 1970	(Damandarina)	г	1
8. The general type of process found in industry is:	(Remembering)	[]
a) discrete parts			
b) continuous c) batch			
d) All of the above			
	(Understanding)	г	1
9. CAD/CAM is the inter-relationship between:	(Understanding)	L	I

a) manufacturing and marketing b) marketing and design c) engineering and marketing d) engineering and manufacturing 10. 7-Productivity increases when a) inputs increase while outputs remain the same b) inputs decrease while outputs remain the same c) outputs decrease while inputs remain the same d) inputs and outputs increase proportionately	(Remembering)	[]
11. Which item best describes a CAM technology?a) Numerical controlb) Documentation	(Understanding)]]
c) Drafting			
d) Geometric modeling12. Routing and Scheduling are integral part ofa) Work studyb) Job analysis	(Remembering)]]
c) Quality control			
d) Product planning			
13. Which of the following is an automated machine	e that works on an assembly li (Understanding)	ne?]
a) Industrial robot			
b) Assembly robotc) Domestic robot			
d) Android			
14. Which of the following is not a use for a robot?	(Remembering)	ſ	1
a) Maintenance and repair	(remembering)	L	1
b) Assembly line			
c) Mental calculation			
d) Exploration			
15. Which of the following is the most common typ	e of actuator?		
	(Understanding)	[]
a) Electric motor			
b) Stepper motor			
c) Solenoid			
d) Hydraulic pump	(D. 1 ')	г	,
16. Which of the following statements is incorrect?	· • • • • • • • • • • • • • • • • • • •	[]
a) Automation is the application of machines to taskb) Automated control devices manage themselves o		,	
c) Feedback principle used in automated control is a	•	,	
d) Development of automation has become depende	<u>*</u>	าทุดได้ฐง	,
a, bevelopment of automation has become depende	and on the use of computer teer	mology	
17. Where did automation start?	(Understanding)	[]
a) Textile industry in the eighteenth century			
b) Electronic computer in 1943			
c) Steam engine in 1788			
d) Motor vehicle industry in the 1920s	(D. 1 ')	r	1
18. First strategy of automation is	(Remembering)	[]
a) specialization of operationsb) combined operations			
c) simultaneous operations			
d) integration of operations			
19. Second strategy of automation is	(Understanding)	[]

a) specialization of operations			
b) combined operations			
c) simultaneous operations			
d) integration of operations			
20. Third strategy of automation is	(Remembering)	[]
a) specialization of operations			
b) combined operations			
c) simultaneous operations			
d) integration of operations			
21. Fourth strategy of automation is	(Understanding)	[]
a) specialization of operations			
b) combined operations			
c) simultaneous operations			
d) integration of operations			
22. Fifth strategy of automation is	(Remembering)	[]
a) Increased flexibility			
b) Improved material handling and storage			
c) on-line inspection			
d) Process control and optimization			
23. Sixth strategy of automation is	(Understanding)	Γ	1
a) Increased flexibility	<i>U</i>	L	_
b) Improved material handling and storage			
c) on-line inspection			
d) Process control and optimization			
24. Seventh strategy of automation is	(Remembering)	Г	1
a) Increased flexibility	(======================================	L	J
b) Improved material handling and storage			
c) on-line inspection			
d) Process control and optimization			
•			
25. Eight strategy of outcomption is	(Understanding)	r	1
25. Eight strategy of automation is	(Understanding)	[J
a) Increased flexibility			
b) Improved material handling and storage			
c) On-line inspection			
d) Process control and optimization	(D	г	1
26. Ninth strategy of automation is	(Remembering)	[]
a) Plant operations control			
b) Computer integrated manufacturing			
c) on-line inspection			
d) Process control and optimization	/TT 1 4 1')	r	,
27. Tenth strategy of automation is	(Understanding)	[J
a) Plant operations control			
b) Computer integrated manufacturing			
c) On-line inspection			
d) Process control and optimization			
28. Fluid power circuits use schematic drawings to	(Understanding)	[]
a) Simplify component function details			
b) Make it so only trained persons can understand the	ne functions		
c) Make the drawing look impressive			
d) Make untrained person to understand			
26. A pneumatic symbol is:	(Remembering)	[]
a) Different from a hydraulic symbol used for the sa	ame function		

b) The same as a hydraulic symbol used for the same c) Not to be compared to a hydraulic symbol used a d) None of the mentioned				
27. Pneumatic systems usually do not exceed	(Understanding)		[]
a) 1 hp	·		_	-
b) 1 to 2 hp				
c) 2 to 3 hp				
d) 4 to 5 hp	(Damanharina)		г	1
28. Most hydraulic circuits:a) Operate from a central hydraulic power unit	(Remembering)		[J
b) Use air-over-oil power units				
c) Have a dedicated power unit				
d) Does not have dedicated power unit				
29. Hydraulic and pneumatic circuits	(Understanding)		[]
a) Perform the same way for all functions				
b) Perform differently for all functions				
c) Perform the same with some exceptions				
d) Does not perform all the functions				
30. The lubricator in a pneumatic circuit is the	(Understanding)		[1
a) First element in line	(= = = = = = = = = = = = = = = = = = =			,
b) Second element in line				
c) Last element in line				
d) Third element in line				
31. Computer will perform the data processing fundamental for the data processing fundamental fundamental for the data processing fundamental fundamen			г	1
a) NC	(Remembering)		[J
b) CNC				
c) DNC				
d) None of the mentioned				
32. The linking of computer with a communication	system is called			
	(Understanding)		[]
a) networking				
b) pairing				
c) interlocking d) assembling				
33. The product layout is more amenable to automate	ation than process lav	Out		
55. The product tayout is more unichable to automa	(Remembering)	out.	[1
a) True	(, , , , , , , , , , , , , , , , , , ,		L	,
b) False				
34. For handling materials during manufacture of c			used.	
	(Understanding)]
a) belt conveyor				
b) bucket conveyor				
c) fork lift truck d) overhead crane				
35. The device, fed to the control unit of NC machine.	ine tool which sends t	he positio	n comr	nand
signals to sideway transmission elements of the ma		r - 5220		
<u> </u>	embering)	[]	
a. controller				
b. tape				

d. none of the above			
36. Which of the following options is correct for	or the control unit and panel of NC	C (Nun	nerical
Control) and CNC (Computer Numerical Cont	<u> =</u>		
,	(Understanding)	ſ]
a. The control unit of NC machine tool works in	`	nit of (_
machine tool works in batch processing mode		01	01.0
b. The control unit of NC machine tool works	in batch processing mode and the	control	unit of
CNC machine tool works in ON-line mode	in outen processing mode and the		unit of
c. The control units of both NC and CNC macl	nines work in ON-line mode		
d. The control units of both NC and CNC mach		ode.	
d. The control diffes of both the diffe effect mach	miles work in batch processing mo	·ac	
37. In CNC machine tool, the part program ent	rered into the computer memory		
or, in cree machine tool, the part program en	(Understanding)	[1
a. can be used only once	(Onderstanding)	L	J
b. can be used again and again			
c. can be used again but it has to be modified e	every time		
d. cannot say	very time		
38. Several machine tools can be controlled by	a central computer in		
36. Several machine tools can be controlled by	(Remembering)	[1
a. NC (Numerical Control) machine tool	(Remembering)	L	J
b. CNC (Computer Numerical Control) machin	ne tool		
c. DNC (Direct Numerical Control) machine to			
d. CCNC (Central-Computer Numerical Control			
39. Which machine tool reduces the number of		ime sn	ent in
setting machine tool reduces the number of		ine spe	
setting machine tools and transportation betwee	(Understanding)	[]
a. Computer Numerical Control machine tool	(Oliderstanding)	L	J
b. Direct Numerical Control machine tool			
c. Adaptive Control Systems			
d. Machining centre			
40. Which of the following is included in basic	e machine tools? (Remembering)	Γ]
a) lathe machine	, machine tools: (Kemembering)	L	J
b) production milling machine			
c) production drilling machine			
d) none of the mentioned			
41. Which type of machine tool is used for man	es production of assentially small :	narte?	
41. Which type of machine tool is used for ma	(Understanding)	r	1
a) general purpose	(Oliderstanding)	L]
, 0			
b) special purpose			
c) automatic screw cutting d) none of the mentioned			
42. Which of the following does all the work of	of latha machina?		
42. Which of the following does an the work of		г	1
a) turning centre of CNC type	(Remembering)	[]
a) turning centre of CNC type			
b) machining centre of CNC type	pantra of CNC type both		
c) turning centre of CNC type and machining of d) none of the mentioned	chire of CNC type both		
•	are used for matel outting) started	from f	ha
43. The development of machine tools (which	<u> </u>	-	1
invention of cylinder.	(Understanding)	L	J
a) true			
b) false 44. Machine tools can be classified as	(Damamharina)	г	1
44. Machine tools can be classified as	(Remembering)	- 1	1

c. feedback unit

c) at kitchen			
d) None 5. Automated machine tools are integration of all	the demonstrator		
5. Automated machine tools are integration of all	(Remembering)	[1
a) True	(Remembering)	L]
b) False			
,	(Understanding)	Г	1
6. In an automated flow lines, meaning of PROC	(Onderstanding)	[]
a) Procurement b) Processing station			
b) Processing station			
c) Production			
d) None 7. In an automated flow lines, magning of AUT.	(Remembering)	Г	1
7. In an automated flow lines, meaning of AUT a) Autumn	(Remembering)	[]
b) Automatic			
c) Auto			
d) None			
	(Understanding)	г	1
8. Thick arrow mark refers to	(Understanding)	Ĺ]
a) labor is moving			
b) material handling system			
c) manager is moving			
d) CEO moving	(II. 1 1:	г	1
9. Dotted arrow mark refers to information/data fl	low (Understanding)	[]
a) True			
b) False	(D 1 :)	r	,
10. Use of automated flow lines will reduce labor	cost(Remembering)	[]
a) True			
b) False		r	,
11. Use of automated flow lines will reduce produ	iction rate (Understanding)	[]
a) True			
b) False	(D. 1 ')	r	,
12.In-line automated flow line consists of	(Remembering)		J
a) all machines in a line			
b) all machines are in circle			
c) all machines are in rectangle			
d) all machines are in L shape	C/II 1 (1')	-	,
13. Segmented In-Line Type automated flow line	consists of (Understanding)	[]
a) all machines in a line			
b) all machines are in circle			
c) all machines are in rectangle			
d) all machines are in L shape	(D. 1 ')	r	,
14. Rotary automated flow line consists of	(Remembering)	[]
a) all machines in a line			
b) all machines are in circle			
c) all machines are in rectangle			
d) all machines are in L shape			
15. Indexing machine is used by	(Understanding)	Ĺ]
a) L-type			
b) rotary			
c) segmented			
d) None		_	_
16. Work flow will be in 90^0 in	(Remembering)	[]
a) L-type			
b) Rotary			

c) Segmented d) None		-
17. Workparts will move at constant speed ina) Continuous transferb) Synchronous transfer	ng) [J
c) Asynchronous or power-and-free transfer d) None		
18. Workparts will move in discontinuous or intermittent motion in (Remembering		1
a) Continuous transferb) Synchronous transfer	-	_
c) Asynchronous or power-and-free transfer d) None		
,	rstanding) []
b) Synchronous transfer c) Asynchronous or power-and-free transfer		
d) None 20. Example of continuous transfer of workpart is beverages (Remo	embering) []
a) True b) False		
21. All the workparts are moved at the same time in (Understandia) Continuous transfer	ng) []
b) Synchronous transfer		
c) Asynchronous or power-and-free transfer d) None		
22. Asynchronous or power-and-free transfer have greater flexibility (Remembering	•]
a) True b) False		
23. work-parts are lifted up from their workstation locations by (U	nderstanding) []
a) Transfer bar		
b) location bar c) tension bar		
d) none		
24. work-parts are lifted up from their workstation locations by wh (Remembering		ism]
a) walking beam systemsb) Powered roller conveyor system		
c) Chain-drive conveyor system		
d) None		
<u> </u>	rstanding) []
a) Roller conveyor systemb) Chain-drive conveyor system		
c) walking beam systems		
d) None		
26. Chain or flexible steel belt is used in (Remembering	g) []
a) Roller conveyor systemb) Chain-drive conveyor system		
c) walking beam systems		
d) None		
27. Mechanism used to convert rotary motion of one element to reconstruction of the desired to the second of	•	of another
element (Unde	rstanding) []

a) Rack and pinionb) Ratchet and pawl				
c) Geneva				
d) none				
28. Prevention of motion in reverse direction is done	with which	n mechanism		
	(Remember		[]
a) Rack and pinion	(Itememoei	ing)	L	1
b) Ratchet and pawl				
c) Geneva				
d) none				
29. The control functions used in automation is used	for (IIn	derstanding)	[]
a) sequence control	101 (01)	iderstanding)	L]
b) safety monitoring				
c) quality monitoring				
d) all the above				
30. To coordinate the sequence of actions of the trans	sfer system	and its workstation	one ie da	one with
<u>=</u>	(Remembei		[]
a) sequence control	(Itemember	ilig)	L	1
b) safety monitoring				
c) quality monitoring				
d) all the above				
31. To ensure the safety of the transfer system and its	s workstatio	ons is done with t	he heln	of
51. To ensure the safety of the transfer system and its		iderstanding)]
a) sequence control	(On	iderstanding)	L	J
b) safety monitoring				
c) quality monitoring				
d) all the above				
	system and	its workstations is	s done w	vith the
32. To ensure the quality monitoring of the transfer s	-		_	
32. To ensure the quality monitoring of the transfer shelp of	system and a (Remember		s done w	vith the
32. To ensure the quality monitoring of the transfer shelp of a) sequence control	-		_	
32. To ensure the quality monitoring of the transfer shelp ofa) sequence controlb) safety monitoring	-		_	
32. To ensure the quality monitoring of the transfer shelp ofa) sequence controlb) safety monitoringc) quality monitoring	-		_	
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above	(Remember	ring)	[
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of	(Remember	ring) ine immediately v	[when a]
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected	(Remember	ring)	[
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control	(Remember	ring) ine immediately v	[when a]
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring	(Remember	ring) ine immediately v	[when a]
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring	(Remember	ring) ine immediately v	[when a]
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control	(Remember f the flow li (Un	ring) ine immediately v iderstanding)	[when a]
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring	(Remember f the flow li (Un	ring) ine immediately valerstanding)	[when a []
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machin	(Remember f the flow li (Un	ring) ine immediately v iderstanding)	[when a]
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control	(Remember f the flow li (Un	ring) ine immediately valerstanding)	[when a []
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring	(Remember f the flow li (Un	ring) ine immediately valerstanding)	[when a []
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring c) quality monitoring c) quality monitoring	(Remember f the flow li (Un	ring) ine immediately valerstanding)	[when a []
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring	(Remember f the flow li (Un	ring) ine immediately valerstanding)	[when a []
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring c) quality monitoring c) quality monitoring d) memory control	(Remember f the flow li (Un	ring) Ine immediately valuerstanding) g membering)	[when a []
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring c) quality monitoring c) quality monitoring	Remember f the flow li (Un ne operating (Remember)	ring) ine immediately valuerstanding) membering)	[when a	
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring c) quality monitoring c) quality monitoring d) memory control 35. Buffer storage is maintained in between stages of	(Remember f the flow li (Un	ring) ine immediately valuerstanding) membering)	[when a []
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring c) quality monitoring c) quality monitoring d) memory control 35. Buffer storage is maintained in between stages of a) True	Remember f the flow li (Un ne operating (Remember)	ring) ine immediately valuerstanding) membering)	[when a	
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring c) quality monitoring c) quality monitoring d) memory control 35. Buffer storage is maintained in between stages of a) True b) False	f the flow li (Un ne operating (Ren f production (Understa	ring) ine immediately valuerstanding) membering) n area nding)	[when a	
32. To ensure the quality monitoring of the transfer shelp of a) sequence control b) safety monitoring c) quality monitoring d) all the above 33. The control function which stops the operation of malfunction is detected a) sequence control b) safety monitoring c) quality monitoring d) Instantaneous Control 34. The control which is designed to keep the machinal sequence control b) safety monitoring c) quality monitoring c) quality monitoring d) memory control 35. Buffer storage is maintained in between stages of a) True b) False 36. If several operations are performed on single work	f the flow li (Un ne operating (Ren f production (Understa	ring) Ine immediately valuerstanding) genembering) n area anding)	[when a	

b) rotary indexing machine c) Trunnion machine			
d) none			
37. To achieve higher rates of production, which ma	achine is used		
	(Understanding)	[]
a) Single station machine	(0.114013041141118)	L	J
b) rotary indexing machine			
c) Trunnion machine			
d) none			
38 machines are most suitable for s	mall workpieces		
	(Remembering)	[]
a) Single station machine	(rtememeering)	L	1
b) rotary indexing machine			
c) Trunnion machine			
d) none			
39. In which machine, number of operations can be	increased when compared to	other m	achines
39. In which machine, number of operations can be	<u>-</u>		1
\ C' \ 1 \ \ \ \ \ \ \ \ 1 \ \ \ \ \ \ \ \	(Understanding)	[J
a) Single station machine			
b) rotary indexing machine			
c) Trunnion machine			
d) Center column machine			
40. The most highly automated machine is	(Remembering)	[]
a) Single station machine			
b) rotary indexing machine			
c) Trunnion machine			
d) Transfer machine			
41. Knowledge about the theory & principles of the	particular manufacturing prod	cess use	d on the
production line is called as	(Understanding)	[]
a) Process technology	<i>O</i> ,		
b) systems technology			
c) both a and b			
d) None			
42. Downtime of an Automated Production line is b	ecause of tool failures		
12/20//////// 12///	(Remembering)	[1
a) true	(Remembering)	L	1
b) false			
b) faise			
43. If a station is prevented from performing its worl	k cyclo is known as		
43. If a station is prevented from performing its work	•	r	1
VII. 1:	(Understanding)	[]
a) blocking			
b) starving			
c) both a and b			
d) none			
44. If a workstation is prevented from performing its	cycle because it has no part to	work on	ı is
called as	(Understanding)	[]
a) blocking	-		
b) starving			
c) both a and b			
d) none			
45. To achieve higher rates of production, which ma	chine is used		
deme to inglier rates of production, which ind	(Remembering)	[]
a) Single station machine	(Remonitoring)	L	1
b) rotary indexing machine			
o) rotary muching machine			

c) Trunnion machine			
d) none	(Understanding)	г	1
46. Flat surface parts are transferred bya) Roller conveyor system	(Understanding)	[]
b) Chain-drive conveyor system			
c) walking beam systems			
d) none			
•	(Remembering)	[1
a) Continuous transfer	ζ,	_	-
b) Synchronous transfer			
c) Asynchronous or power-and-free transfer			
d) None			
48. Example of continuous transfer of workpart is be	•		
	(Understanding)	[]
a) True			
b) False	(D. 1. ')	r	,
49. All the workparts are moved at the same time in	(Remembering)	L]
a) Continuous transferb) Synchronous transfer			
c) Asynchronous or power-and-free transfer			
d) None			
,	(Understanding)	[1
a) Autumn	(Chacistananig)	L	J
b) Automatic			
c) Auto			
d) None			
Module	e 3		
1. Arranging the individual processing and assembly	tasks at the workstations is		
	(Understanding)	[]
a) Line balancing			
b) machine balancing			
c) labor balancing			
d) none The time interval between parts coming off the line	o is known as		
2. The time interval between parts coming off the lin	(Understanding)	[1
a) Cycle time	(Olderstanding)	L	J
b) machine time			
c) scooter time			
d) labor time			
3. Listing all the elements in descending order while	line balancing is		
	(Remembering)	[]
a) largest candidate rule			
b) Kilbridge and Wester's Method			
c) Ranked Positional Weights Method			
d) none		_	
4. The procedure which selects work elements for as	_	g to the	ir
•	(Understanding)	[]
a) largest candidate rule			
b) Kilbridge and Wester's Method			
c) Ranked Positional Weights Method d) none			
u) none			

5. A feasible element is one that satisfies the precede	dence requirements.		
	(Remembering)	[]
a) True			
b) False			_
6. The method which takes account of both the T_e v	-	osition i	n the
precedence diagram	(Understanding)	[]
a) largest candidate rule			
b) Kilbridge and Wester's Method			
c) Ranked Positional Weights Method			
d) none			
7 have been developed based on s		ches to	
balancing.	(Remembering)	L]
a) computer program			
b) .NET			
c) C			
d) C++			
0. 00 100 100 100 100 100 100 100 100 10		г	-
8. COMSOAL stands for	(Understanding)	[]
a) Computer Method of Sequencing Operations for			
b) Counter Method of Sequencing Operations for A	•		
c) Computer Monitor of Sequencing Operations for	r Assembly Lines		
d) None	(Damamharina)	г	1
9. COMSOAL is a computer line balancing	(Remembering)	[]
a) True			
b) False 10 is suited for ideally suited to c	omputor programming with la	raa sat	of morts
•		_	
elements.	(Understanding)	[]
a) COMSOAL			
b) CALB			
c) both a and b			
d) none 11. CALB stands for	(Pamambaring)	Г	1
a) Computer-Aided Line Balancing	(Remembering)	[]
b) Computer Area Line balancing			
c) both a and b			
d) none			
12. CALB can be used for both single-model and n	nixed-model lines		
12. Of 123 can be ased for both shighe model and h	(Understanding)	[]
a) True	(Onderstanding)	L	1
b) False			
13. CALB is used for the applications that have included	uded a variety of assembled pr	oducts	including
automobiles and trucks, electronic equipment, appl	•		_
(Rememberin		0011015	•
a) True	-6/ L J		
b) False			
14. ALPACA stands for	(Understanding)	[]
a) Assembly Line Planning and Control Activity	(L	J
b) Assembly Language Programme and Compiling	Activity		
c) c) both a and b	· •		
d) none			
15 is described as an interactive line balanc	ing system in which the user	can tran	sfer
work from one station to another	(Remembering)	[]
a) COMSOAL			

b) CALB			
c) ALPACA			
d) None	(I Indonstandina)	r	1
16. The study of human work activity is known as	(Understanding)	[]
a) Method Analysis			
b) Mathematic Analysis			
c) Mental Analysis			
d) None	l by (Damambarina)	г	1
17. Flexible automatic assembly lines was pioneered	i by (Remembering)	[]
a) Volvo			
b) Zomatto c) Mc.Donald			
•			
d) Bata	ah product domand		
18. Automated assembly systems should consider hi	- -	r	1
\ T	(Understanding)	[]
a) True			
b) False	6 4 4 1 11		.1
19. Based on work transfer system, how many types	(Remembering)	ms are i	inere]
a) 4			
b) 3			
c) 2			
d) 1			
20. The base parts are indexed around a circular table	e or dial in		
	(Understanding)	[]
a) dial type machine			
b) in-line type			
c) segmented in-line			
d) none			
21. The <i>in-line</i> configuration assembly system consi	-	ons in a	a more
or less straight line arrangement	(Remembering)	[]	
a) True			
b) False			
22. Continuous, synchronous, or asynchronous trans	fer systems can be used with	the in-li	ine
configuration.	(Understanding)	[]
a) True			
b) False			
23. The flow of work can take a few 90° turns in	(Remembering)	[]	
a) dial type machine			
b) in-line type			
c) segmented in-line			
d) none			
24. Carousel assembly system represents a hybrid be		ork prov	ided by
the dial assembly machine and straight work flow of	f the in-line (Remembering)		[]
a) True			
b) False			
25. In the single-station assembly machine, the asser		l at a si	ngle
location (stationary base part system)	(Understanding)	[]
a) True			
b) False			

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

B.Tech–IV,Sem-I (MR 15-2016-17 Admitted Students) I Mid Examination Subjective Question Bank

Subject: Air Pollution & Control Branch / Specialization: Common to ME &

ECE

Name of the faculty: Dr.P.SARITHA

Instructions:

1. All the questions carry equal marks

2. Solve all the questions

Q.No.	Question	Bloom's Taxonomy Level	со
1.	Define Air Pollution?Explain the episodes of Great London Smog and Bhopal Gas Tragedy?	Understanding	1
	OR		
2.	Briefly outline the classification of air pollutants?	Understanding	1
3.	Explain the effects of air pollution on man, vegetation and material?	Understanding	1
	OR		•
4.	Explain the sources, impact and control of Green House Effect?	Understanding	1
5.	Enumerate the phenomenon of ozone depletion indicating the causes, effects and remedial measures?	Understanding	1
	OR		ı
6.	What is acid rain? Discuss the causes, effects and remedial measures?	Understanding	1
7.	Discuss the significance and need forAir pollution control studies?	Applying	1
	OR	1	1
8.	Write short notes on Heat islands?	Understanding	1
Module	e II		

1.	Explain the thermodynamics of formation of CO?	Analysing	2
	OR		
2.	Discuss the thermodynamics of formation of SOx?	Analysing	2
3.	Explain the thermodynamics of formation of NOx?	Understanding	2
	OR		
4.	Explain in detail about the thermodynamics of Combustion?	Understanding	2
5.	Write short notes on the thermodynamics of Hydrocarbons?	Understanding	2
	OR		
6.	Discuss the significance and practical implications of Air-Fuel ratio?	Understanding	2
7.	Briefly describe the combustion of coal?	Understanding	2
	OR		
8.	Explain the combustion of oil and gas?	Understanding	2
Modu	e III		
1.	Explain the importance of Meteorology in air pollution control?	Understanding	3
	OR		
2.	Discuss the meteorological parameters that have an impact on air pollution?	Understanding	3
	1	<u>I</u>	
3.	Explain the different types of Environmental Lapse rates and their significance.	Understanding	3
	OR		1
4.	Define the term wind rose. Explain the significance and application of wind rose diagrams?	Understanding	3

MALLAREDDY ENGINEERING COLLEGE (AUTONOMOUS)

IV B.TECH II SEM (MR15 – 2016-17 Batch)1ST MID EXAM QUESTION BANK

SUBJECT: AIR POLLUTION AND CONTROL

Branch: Common to ME & ECE Name of the faculty: Dr.P.Saritha

OBJEC	CTIVE QUESTIONS	
1	Give an example of single or point source?	[]
	a. Open burning	
	b. Power plants	
	c. Channel vessels	
	d. None of the above	
2	Which gas is mainly produced due to incomplete burning of wood?	[]
	a. CO	
	b. SO ₂	
	c. NO ₂	
	d. NO ₃	
3	Which of the following is involved in production of carboxy hemoglobin?	[]
	a. CO	
	b. SO ₂	
	c. NO ₂	
	a. NO₃	
4	Which of the following is a liquid form of aerosol?	[]
	a. Fume	
	b. Dist	
	c. Mist	
	d. Smoke	
5	X ray films are a source of which of the following gas?	[]
	a. CO	
	b. SO ₂	
	c. NO ₂	
	a. NO₃	
6	The maximum size of fly ash ismicro meter.	[]
	a. 1	
	b. 100	
	c. 1000	
	d. 10	
7	Which of the following leads to a disease called broncho spasm?	[]
	a. CO	
	b. SO ₂	
	c. NO ₂	
	d. NO ₃	<u> </u>
8	The minimum size of smoke particle ismicron metre.	[]

	a. 0.2
	b. 1
	c. 0.8
	d. 0.5
9	Which of the following is a secondary air pollutant?
	a. SPM
	b. PAN
	c. So2
	d. No2
1	The permissible concentration of PM 10 in the air is
	a. 60µg/m³
	b. 40 μg/m³
	c. 50 μg/m³
	d. 20 μg/m³
1	What is the primary standard level for carbon monoxide for assuring air quality?
	a. 10ppm
	b. 90 ppm
	c. 1 ppm
	d. 9 ppm
1	The pulmonary section of the respiratory tract consists of [
	 a. Nose and mouth as well as down till epiglottis and larynx
	b. Bronchi down till the end of bronchiole
	c. Respiratory bronchiole, alveoli and alveoli ducts
	d. Alveoli ducts and alveoli
1	What is the primary function(s) of the alveoli?
	a. Transfer of oxygen to the blood
	b. Removal of carbon dioxide from the blood
	c. Transfer of toxic substances to the blood
	d. All of the mentioned
1	The velocity of air reduces to zero by the time it reaches the bronchi.
	a. True
	b. False
	c. True or false
	d. None of the above
1	Particles of what size are filtered by the nasal passage?
	a. >10micrometre
	b. >500 micrometre
	c. >1 mm
	d. >5 micrometre
1	What is the effect of ozone on human respiratory system?
	a. Has higher affinity to bind with hemoglobin and does not allow binding of
	oxygen
	b. Causes the disfigurement of the alveoli reducing the surface area
	c. Damages lung tissues and aggravates asthma
	d. All of the above
17	Which of the following pollutants is the major contributor to photochemical smog?
	a. Peroxynitrates
	b. Hydroperoxides
	c. Nitrogen dioxide

	a. Ozone		
18	What are the effects of sulphur dioxide on human body?	[]
	a. Causes the malfunction of liver and kidney		
	b. Breaks down body's immunity towards particulate matter and bacteria		
	c. Causes blood cells to dilate thereby affecting blood flow		
	d. All of the above		
19	How does increase in temperature affect air pollution?	[]
	a. Reduces air pollution		
	b. Increases air pollution		
	c. No effect		
	d. None		
20	Ocean is a source for carbon monoxide.	[]
	a. True		
	b. False		
	c. True or false		
	d. None		
21	How does carbon monoxide affect the human body?	[]
	a. It does not allow binding of oxygen with hemoglobin		
	b. It reduces the surface area of the alveoli and disrupts gaseous transfers		
	c. It causes the liver to malfunction, increasing bile secretion		
	d. It reduces the body's tendency to absorb water thereby making us feel		
	dehydrated		
22	What is the Haldane equation used for?	[]
	a. To measure the amount of oxygen converted to ozone for a given waveleng	gth	of
	UV light		
	b. To measure the ratio of affinity of carbon monoxide and oxygen to bind	to	а
	hemoglobin molecule		
	c. To measure the percentage of carbon monoxide that is oxidized to carbon di	oxi	эb
	in various levels of oxygen		
	d. To calculate the percentage of oxygen addition and carbon dioxide removal d	uri	ng
	respiratory action		
23	How does nitrogen affect the human body?	[]
	a. Increases vulnerability to pathogens		
	b. Destroys the macrophages		
	c. Injures the defense mechanism of the lungs		
	d. All of the above		
24	Which of the following is the current major contributor to lead air pollution?	[]
	a. Motor vehicles		
	b. Metal processing centres		
	c. Waste incinerators		
	d. Lead acid battery manufacturing units		
25	How does lead affect the human body?	[]
	a. Increases blood pressure		
	b. Damages the cerebellum, liver and kidney		
	c. Leads to reproductive disorders and osteoporosis		
	d. All of the above		
26	Which of the following belongs to class of extremely toxic dioxin compound(s)?	[]
	a. Polychlorinated dibenzo-p-dioxins		
	b. Polychlorinated dibenzofurans		
	c. Polychlorinated biphenyls		

	d.	All of the above	
27	Which	of the following compounds was earlier produced for the utility of transfor	
	a.	PDD	l J
	b.	PCDF	
	C.	PCB	
	d.	TCDD	
28	Crocido	olite, actionide and amosite belong to which of the following category of	
	polluta		[]
	a.	Particulate matter	
	b.	Asbestos	
	C.	Dioxins	
	d.	Cigarette smoke	
29	Which o	of the following plants is extremely sensitive towards sulphur dioxide?	[]
	a.	Onion	
	b.	Potato	
	c.	Corn	
	d.	Tomato	
30	TCDD is	a human carcinogen.	[]
	a.	True	
	b.	False	
	C.	True or false	
	d.	none	
31	Wh	ich of these is NOT a primary pollutant?	[]
	a.	Carbon monoxide	
	b.	Carbon dioxide	
	c.	Ground level ozone	
	d.	Oxygen	
32	Wh	at percentage of pollutants is gaseous in nature?	[]
	a.	75%	
	b.	80%	
	C.	99.9%	
	d.	90%	
33	Wh	ich of the following is an inorganic pollutant?	[]
	a.	Carbon monoxide	
	b.	Carbonyl compounds	
	C.	Aromatic hydrocarbons	
	d.	None	
34	Wh	ich of these belongs to the category of criteria pollutants?	[]
	a.	Ozone	
	b.	Lead	
	C.	Carbon monoxide	
	d.	All of the above	
35	Wh	ich of the following are classified as major sources to air pollution?	[]
	a.	Fuel consumption by local citizens	
	b.	Sewage treatment plants	
	c.	Dry cleaning and laundries	
	d.	None	
36	Wh	ich is the most abundant hydrocarbon in the atmosphere?	[]
	a.	Methane	

	b. c.	Carbonyl sulphide Ethane		
	d.	None		
37	Wh	at does the abbreviation VOC stand for?	[]
	a.	Versatile Oxygenated Compounds		
	b.	Volatile Oxygenated Compounds		
	c.	Volatile Organic Carbons		
	d.	Volatile Organic Compounds		
38	Wh	at is the range of vapour pressure of VOCs?	[]
	a.	High vapour pressure		
	b.	Low vapour pressure		
	c.	Depends on the concentration of VOCs		
	d.	Depends on the type of VOCs		
39	Wh	ich is the largest-volume manufactured organic chemical?	[]
	a.	- 1		
	b.	Ethane		
		Formaldehyde		
	d.	Carbonic acid		
40		at does PAH stand for in terms of organic chemistry?	[]
		Polynuclear Aromatic Hydrocarbons		
		Polyethylene Acetic Hydride		
		Polycyclic Acetic Hydrocarbons		
		Polynuclear Aromatic Hydrides		
41		s the residence time (average time a particle is active in a given system) of ca	rbo	n(
	monoxi		L	J
		11-15 years		
		0.1-0.3 years		
		0.5 years		
42		Few minutes		1
42		ich of the following gases has the highest affinity for blood hemoglobin?	L	J
		Carbon dioxide		
	b.	Oxygen		
	C.	Carbon monoxide		
42		Nitrogen	г	1
43		what concentration can the taste and smell of sulphur dioxide be detected?	L	J
	a.	1000-2000ppm		
	b.	11-30ppm		
	C.	500-700ppm		
11		0.1-0.3ppm	г	1
44		ich is the major source for sulphur dioxide?	L	J
		Volcanic eruptions Coal and crude oil combustion		
	C.	0 - 1		
1 E		Sewage treatment process	г	1
45		ich is the largest source for production of nitrous oxide? Chomical industry	L	J
		Chemical industry Fertilizer industry		
		Fossil fuel combustion		
	C.	ו טייין ועבו נטוווטעטנוטוו		

	a.	Bacterial action		
46		des also contribute to air pollution along with polluting underground reservoir	s.	
	True or		[]
	-	True		
	b.	False		
	c.	True or false		
	d.	None		
47		of the following are sources to fluorine air pollution?	[]
		Coal combustion		
	b.	Steel industries		
	C.	Phosphate fertilizer manufacturing		
	d.	All of the above		
48	Which	is/are the most significant air-borne allergen(s)?	[]
		Fungi		
	b.	Pollen		
		Soot		
	d.	All of the above		
49	Wh	ich of the following is a source for boron air pollution?	[]
	a.	,		
	b.	Automobiles		
	C.	Soap industries		
		Refrigerants		
50		ich are the sources of arsenic pollution?	[]
		Coal and petroleum		
	b.	Detergents and pesticides		
	C.	Mine tailings		
	d.			
51	Wh	at does the word 'meteorology' define?	[]
	a.	,		
	b.	Study of measurements and instruments		
	c.	,		
		Study of the weather and atmospheric changes		
52		at is a "tetroon" in the field of meteorology?	[]
		A tool used to study wind patterns		
		A tool used to study pressure variations		
		A tool used to study temperature deviations		
		A tool used to study humidity		
53	Wh	at does the Richardson number indicate in wind analysis?	[]
	a.			
	b.	Convective heat production		
	С.	production of the contract of		
		None of the mentioned	_	_
54	Abo	ove which Richardson number does vertical mixing in winds disappear?]
	a.			
		0.25		
		0.5		
		0.75	_	
55	When F	Richardson number is equal to zero, what is the wind turbulence characteristic	_	
			L]

a. No vertical mixing

	 c. Convective mixing is greater than mechanical turbulence 		
	d. Only mechanical turbulence		
56	Below what Richardson number does convective mixing start dominating mechanica		
	turbulence?	[]
	a. 0		
	b0.04		
	c0.03		
	d0.1		
57	What is high pressure area with sinking air also known as?	[]
	a. Cyclone		
	b. Anti-cyclone		
	c. Eddy zone		
	d. Richardson zone		
58	What does the term "turbidity" indicate in atmospheric quality?	[]
	a. Indicates density of clouds		
	 Reduction of light due to dust particles 		
	c. Indicates the humidity		
	d. Turbulence of winds		
59	Which of the following gases vary significantly over time and place at the atmospher	С	
	boundary level?	[]
	a. Carbon dioxide		
	b. Ozone		
	c. Water vapor		
	d. Oxygen		
60	How does atmospheric pressure vary with increase in altitude?	[]
	a. It decreases linearly		
	b. It decreases exponentially		
	c. It increases linearly		
	d. It increases till stratosphere and then starts decreasing exponentially		
61	What does the term obliquity indicate?	[]
	a. Earth's axial tilt of 23.5 degrees		
	b. Alignment of the Earth's internal magnetic field		
	c. Analysis of ocean currents		
	d. Pressure variation over different seasons	_	_
62	Which are the two forces balanced by the geostrophic wind?	[]
	a. Coriolis effect and pressure gradient force		
	b. Coriolis force and centrifugal force		
	c. Frictional force and pressure gradient force		
	d. Pressure gradient force and centrifugal force	_	_
63	Which of the following has the highest albedo?	L]
	a. Water surface		
	b. Plateau surfaces		
	c. Vegetation		
	d. Fresh snow	_	_
64	The stability of the stratosphere is due to which of the following reasons?	L]
	a. Absorption of solar energy by ozone layer		
	b. Strong wind currents		
	c. Pressure is minimal		
	d. All of the mentioned		

b. Weak mechanical turbulence due to stratification

65		ich of the following is regarded as climate control factor(s)?	[]
	a.	Latitude		
	b.	Elevation		
		Ocean currents		
	d.	All of the mentioned		
66	Wh	ich plant helps in detection of pollution from automobile exhaust?	[]
	a.	Neem		
	b.	Tulsi		
	C.	Lichen		
	d.	Lettuce		
67	Wh	ich of the following plants aid as an indicator to ozone pollution?	[]
	a.	Tomato		
	b.	Tobacco		
		Watermelon		
	d.	All of the mentioned		
68	Gre	ater the Air Quality Index of a region, more polluted is the air. True or false?	[]
	a.	True		
		False		
	c.	True or false		
	d.	None of the above		
69		any parameters are taken into consideration when measuring air quality, in		
	India?		[]
	a.	4		
	b.	3		
	C.			
	d.			
70		of the following pollutants are considered when measuring air quality?	[]
		CO, O ₃ , PM2.5		
	b.	NH ₃ , PM10, Pb		
	C.	NO ₂ , SO ₂		
		All of the above	_	_
71	Wh	at range of air quality index has the most severe impact on human health?	[]
	a.	101-200		
	b.	201-300		
	C.			
		401-500		
72		ardous pollutants are those pollutants for which air quality standards have be		
		ised.	[J
		True		
		False		
	C.			
		None of the above		
73		ich of the following devices is NOT used to control particulate emissions?	L	J
		Electrostatic precipitator		
	b.	Bag filters		
7.4		All of the mentioned		
74		of the mentioned devices are used for removing vapour phase/ gaseous	r	,
	polluta		[J
	a.	Absorption towers		

	b. Catalytic converters			
	c. Thermal oxidizers			
	d. All of the mentioned			
75	5 At what concentration (in ppm), is nitrogen preser	t in the atmosphere?	[]
	a. 780,840			
	b. 390,420			
	c. 78,084			
	d. 900,000			
76	In the lower layers of atmosphere, what range of	wavelengths of light is predominant	?	
			[]
	a. Less than 100 nm			
	b. Greater than 300 nm			
	c. Between 100-300 nm			
	 d. All wavelengths are equally present 			
77	•	our to mass of air indicate?	[]
	a. Absolute humidity			
	b. Specific humidity			
	c. Relative humidity			
	d. Approximate humidity			
78	5	in the equatorial region known as?	[]
	a. Trade winds			
	b. Westerlies			
	c. Doldrums			
	d. Easterlies		_	_
79	5	_	[]
	a. East-to-west air winds in the southern he	-		
	b. West-to east air winds in the northern he	-		
	c. East-to-west air winds in the northern he	-		
0.0	d. West-to-east air winds in the southern he	emisphere		
80	Match the following:	16 11 5 16		
	A.Hurricane 1.Indian Ocean an			
	B.Typhoon 2.Low level air circ			
	C.Cyclone 3.Northeastern Pa			,
	D.Tropical Cyclone 4.Northwestern P	acitic	[J
	a. A-1; B-3; C-2; D-4			
	b. A-3; B-4; C-1; D-2			
	c. A-2; B-3; C-4; D-1			
81	d. A-3; B-2; C-1; D-4Which of the following statements is true?		г	1
01	a. Troposphere is equally thick across differ		[J
	b. Troposphere contains the ozone layer	ent parts of the world		
	c. Troposphere is thinner at the equator the	an at the noise		
	d. Troposphere is thicker at the equator that	•		
82	• •	•	, _c	
02	atmosphere from top to bottom?		э [
	a. Troposphere – Stratosphere – Mesosphe		L	J
	b. Thermosphere – Stratosphere – Troposp			
	c. Exosphere – Thermosphere – Mesospher	·		
	d. Exosphere – Mesosphere – Thermospher			
83	·	• • •	[1
	, , , , , , , , , , , , , , , , , , ,		L	-

	a.	Ozone layer		
	b.	Stratosphere		
	c.	Exosphere		
	d.	Ionosphere		
84	Which	of the following mentioned layers is NOT a homosphere?	[]
	a.	Exosphere		
	b.	Troposphere		
	C.	Ionosphere		
	d.	Mesosphere		
85		etary boundary layer belongs to which of the following atmospheric layers?	ſ	1
		Exosphere	-	_
		Ionosphere		
	c.	Stratosphere		
	d.	None		
86	What is	the atmospheric pressure at sea level?	ſ]
	a.	101325 Pa	•	•
	b.	14.696 psi		
		760 Torr		
		All of the above		
87	_	national convention, which line marks the outermost boundary of the Earth's	š	
-	atmosp	•]
	•	Space line	٠	•
		Boundary line		
	C.	Karman line		
	d.	Astronaut line		
88		much has atmospheric carbon dioxide concentration increased ever since the	.	
	=	al Revolution?]
	a.	20%	•	•
	b.	10%		
	c.	40%		
	d.	60%		
89	Which is	s the most abundant greenhouse gas in the atmosphere?	ſ]
		Carbon dioxide	•	•
	b.	Water vapour		
	C.			
	d.	Nitrogen		
90		pes the phrase "anthropogenic CO2 emissions" mean?	ſ]
		Human made CO ₂ emissions	٠	•
		Industrial CO ₂ emissions		
		Natural CO ₂ emissions		
		All of the mentioned		
91	Which o	f the following is the largest sink for carbon dioxide gas?	ſ]
		Forests	•	•
		Oceans		
	C.	Ice sheets		
		Grasslands		
92		m Earth, which other celestial body(s) exhibits greenhouse gas effect?	ſ	1
•	-	Venus	٠	,
		Mars		
	C.	Titan		

	d.	All of the mentioned	
93	Which of	the following bodies in the solar system has anti-greenhouse effect?	[]
	a.	Jupiter	
	b.	Mars	
	C.	Titan	
	d.	Venus	
94	Which of	the following radiations of the sun do greenhouse gases trap?	[]
	a.	Visible radiations	
	b.	Infrared radiations	
	C.	UV radiations	
	d.	All the radiations	
95	Wh	at does "airborne fraction" with respect to greenhouse gases indicate?	[]
	a.	Amount of greenhouse gases that are released into air due to industrial p	rocess
	b.	Proportion of greenhouse gases in air to all the other atmospheric gases	
	c.	Proportion of greenhouse gas emission that remain even after a specified	d time
	d.	None of the mentioned	
96	Wh	at does GWP in the context of greenhouse gases indicate?	[]
	a.	Global Warming Parameters	
	b.	Gradual Warming Pattern	
	c.	Global Warming Patterns	
	d.	Global Warming Potential	
97	Be	low which of the following pH is rain regarded as 'acid rain'?	[]
	a.	7	
	b.	7.3	
	C.	5.6	
	d.	6	
98	Gla	ss containers are generally not preferred for sampling rain water. Why?	[]
		Glass containers are expensive	
		Glass containers are not easy to maintain	
	C.	Glass containers affect the pH of the rain water	
	_	All of the mentioned	
99	Wł	nich of the following gases are main contributors to acid rain?	[]
	a.	Carbon dioxide and carbon monoxide	
	b.	Sulphur dioxide and carbon dioxide	
	C.	Sulphur dioxide and nitrogen dioxide	
		Sulphur dioxide and nitrous oxide	
100		at does the term "liming" mean?	[]
		Application of magnesium and calcium rich substances to soil	
	b.	Erosion of calcium carbonate(lime) zones in soil	
	C.	Excessive growth of lemon trees in acid rain prone regions	
		None of the mentioned	
101		nich place in India receives the highest annual rainfall?	[]
		awsynram	
	b.	Cherrapunji	
	C.	Siju	
400		Phyllut	
102		o discovered the phenomenon of acid rain?	l.
	a.	George Brown	
	b.	James T. StewartB	
	C.	Robert Angus SmiDth	

	d.	Charles David		
103	Which	of the following is/are natural contributor(s) to sulphur dioxide in the		
	atmosp	here?	[]
	a.	Sea sprays		
	b.	All of the mentioned		
	c.	Decaying vegetation		
	d.	Volcanic eruption		
104	Wh	nat is the pH required for the survival of aquatic animals and plants?	[]
	a.	7		
	b.	7.5		
	C.			
		4.8		
105	Wh	ich of the following gases is responsible for the yellowing of the Taj Mahal?	[]
	a.	Organic carbon		
	b.	Black carbon		
	C.	Brown carbon		
		All of the mentioned		
106	Wh	at is the average concentration of ozone in the ozone layer of the atmosphere	?∶	_
			[]
		Nearly 100%		
		Greater than 90%		
		Between 10-50%		
407		Less than 10ppm		,
107		o discovered the ozone layer?	L]
		Henri Buisson & Charles Fabry		
		Carl Sagan & Charles Fabry		
		G.M.B Dobson		
108		Carl Sagan &G.M.B Dobson	n	
100	the gro	of the following devices can be used to measure ozone in the tratosphere fror		1
	_		L]
		Spectrometer Photometer		
		Spectrophotometer		
		Spectro-ozonometer		
109		ozone layer absorbs what range of wavelengths of the sun's radiation?	Г]
103		0.80 nm – 1.50 nm	L	J
	_	200 nm – 315 nm		
		450 nm – 570 nm		
		600 nm – 750 nm		
110		o discovered the formation of ozone from photochemical reactions?	Г]
		G.M.B Dobson	L	J
		Sydney Chapman		
		Carl Sagan		
		Henri Buisson		
111		ween what altitudes, is the ozone layer found in highest concentrations?	[1
	a.	10-20km	-	-
	b.	20-40km		
	c.	40-55km		
	d.	55-70km		

112	Which cancer?	of the following UV radiations is responsible for causing sun burns and skin	ſ]
		UV-A	L	J
	_	UV-B		
		UV-C		
442		All of the mentioned		
113	in whic	ch season is the ozone found at its maximum level in the northern hemisphe	_	1
	2	Winter	L	j
		Summer		
		Spring		
444		Autumn	r	,
114		en was the ozone hole discovered?	L]
		1974		
		1964		
	C.			
		1984		,
115		ozone hole is a phenomenon that has occurred in:	Į]
		Arctic region		
		Northern temperate region		
	C.			
		None of the mentioned		
116		of the following chemicals are responsible for the depletion of the stratosph		
	ozone l	•	Ĺ]
		Refrigerants		
		Propellants		
		Foam-blowing agents		
		All of the mentioned	_	
117	Wr	nat does EESC stand for in context of ozone depleting compounds?	[J
	a.	Equivalent Effective Stratospheric Chlorine		
		Equivalent Effective Stratospheric Chlorofluorocarbons		
		Equivalent Energy Saving Compounds		
		Energy Effective Stratospheric Compounds		
118		ontreal Protocol bans the production of which of the following chemical		
	substar	nces?	[]
		Chlorine, bromine, CFCs, freons		
	b.	Carbon tetrachloride, halons, trichloroethane, CFCs		
	c.	CFCs, bromine, halons, freons		
	d.	CFCs, halons, freons		
119	Wh	at is the size range of respirable suspended particulate matter?	[]
	a.	Less than 1 micrometre		
	b.	Less than 10 micrometre		
	C.	Less than 100 micrometre		
	d.	Less than 0.1 micrometre		
120	Wh	nich of the following is a viable particulate?	[]
	a.	Smoke		
	b.	Mist		
	c.	Dust		
	d.	Moulds		
121	Wh	ich type of particulate is condensed form of vapours?	[]

	a. Mist	
	b. Dust	
	c. Fumes	
	d. Smoke	
122	What is the composition of photochemical smog?	[]
	a. Nitrogen oxides, ketones and ozone	
	b. VOCs and hydrocarbons	
	c. Peroxy-acetyl-nitrate, peroxy-benzoyl-nitrate, peroxy fornyl-nitrate	
	d. All of the mentioned	
123	Which of the following constituent of photochemical smog causes the bronzing of	
	plants?	[]
	a. PBN	
	b. PAN	
	c. PFN	
	d. Ketones	
124	What is the reason behind the yellow colour of smog?	[]
	a. Nitrogen dioxide	
	b. Sulphur dioxide	
	c. Sulphate ions	
	d. Nitrate ions	
125	Which of the following aerosols have the best absorbing properties?	[]
	a. Carbon black	
	b. Soot	
	c. Elemental Carbon	
	d. All of the mentioned	

Signature of Faculty

Signature of the HOD

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

IV B.TECH I1 Semester, I Mid-Examinations, January 2019.

Subject: Business communication

Branch: MECHANICAL Subject code:50H09

Name of the Faculty: Mrs. Nasreen Begum

Question Bank

Module-I

Q.NO	Questions	Bloom's Taxonomy Level	СО
1	Classify the types of communication	Understanding	1
	OR	<u> </u>	
2	Interpret rate of speech	Understanding	1
3	Explain technical vocabulary	understanding	1
	OR		
4	Summarize pitch and tone	understanding	1
5	Compare Oral and Written communication	Understanding	1
	OR	L	
6	Do you agree to the statement lengthy oral communication disinterest the People. Extend	Understanding	1
7	Applying of prefix, suffix, leads to the formation of new words. Write five example words using prefix and suffix to make up a new word.	Applying	1

1 Relate and communic social gath 2 Signs an space, an communic	Module-II d write informal cation you had recently in a hering. OR d signals, body language, ad time are widely used in cation. extend	Applying understanding understanding	2
2 Signs an space, an communic	d write informal cation you had recently in a hering. OR d signals, body language, ad time are widely used in		
2 Signs an space, an communic	cation you had recently in a hering. OR d signals, body language, ad time are widely used in		
space, an	nd signals, body language, and time are widely used in	understanding	2
space, an	nd time are widely used in	understanding	2
			•
-		Understanding	2
	OR	l	
	paralanguage and artefacts of al communication	Understanding	2
	he common barriers to communication.	Applying	2
	OR		
form of	formal communication in the dialogue in regard to give on with your teammates.	Applying	2
7 Explain to communic	he importance of non-verbal cation	Understanding	2
	OR	1	

8	Summarize Kinesics	Understanding	2		
	Module III		•		
1	Interpret Critical reading.	Understanding	3		
	OR		•		
2	Explain Skimming and Scanning.	Understanding	3		
3	Identify the various sources of improving Reading skills?	Applying	3		
	OR				
4	Identify the different types of Reading and explain any two of them?	Applying	3		

Signature of the Faculty

Signature of the HOD

Subject: BUSINESS COMMUNICATION CODE: 50H09

Obiective Ouestions (MR-15) IV B.Tech common to ECE. MEC

1	The word "communication" derived from	[]
	commune		
	communis		
	communique		
	communicate		
2	Para linguistic skills are also called as	[]
	Verbal skills		
	Non verbal skills		
	Oral skills		
	Written skills		
3	The most important skill to master any language is	[]
	Writing skills		
	Speaking skills		
	reading skills		
	listening skills		
4	The root word "communicate" means	[]
	to share		
	to receive		
	to speak		
	to discuss		
5	"Lack of formality" is one of the disadvantage of	[
	Oral communication		
	Non verbal communication		

	Aural communication	
6	The main purpose of written communication is]	[
	Alternative method	
	Authoritative document	
	Acceptability	
	Permanent record	
7	Listening to music, is an example of]	[
	Superficial listening	
	focused listening	
	Appreciative listening	
	Empathetic listening	
8	Noise pollution is barrier of listening]	[
	Psychological	
	Physiological	
	Linguistic	
	physical	
9	Synonym of 'wrath'	[
	violence	
	hatred	
	anger	
	displeasing	
10	'Mane' and 'Main' are the examples of	[
	homonyms	
	homographs	

Verbal communication

	homophones		
	none of the above		
11	A newly coined words/expressions are called]]	
	Neologism		
	Clangs		
	Preservations		
	word salad		
12	Antonym of 'garish']	[
	Tasteful		
	anger		
	scenic		
	contrasting		
13	The scientific study of the origin of words is	[]
	Entomology		
	Etymology		
	Methodology		
	Phonology		
14	Astronomer : Moon starrer \rightarrow is an example of	[]
	Palindrome		
	Proverb		
	Anagrams		
	Figurative		
15	Rate of speech means]	[
	cost of speech		
	measuring the words spoken per minute		
	measuring the sentences spoken for the minute		

'Wh' questions should be spoken in 16 [Falling tone Rising tone Falling rising tone Rising falling tone 17 Sarcastic statements should be spoken in [] Rising tone Falling rising tone Falling tone Rising falling tone 'Emoticons' in word formation is an example of 18 [] Compounding Blending Clipping Borrowing 19 Choice and use of words and phrases in speech is called as [] Diction tone pitch rate When we are listening, if we go beyond sympathy to seek a truer 20] understanding, is called Critical listening Empathetic listening Attentive listening

all the above

	Evaluating listening		
21	A kind of listening to evaluate and judge is called [
	Attentive listening		
	Critical listening		
	Appreciative listening		
	Evaluating listening		
22	In listening, the input zero, because the listener tends to ignore the message	[]
	Appreciate		
	Focused		
	Superficial		
	Evaluative		
23	communications involves the transmission of information through	[]
	the auditory sensory system		
	Oral		
	visual		
	aural		
	none of the above		
24	is considered as one of the reasons for poor listening	[]
	Understanding the speaker		
	Pre judging in negative way		
	Being patient		
	removing distractions		
25	Synonym of the word 'Jealous'	[]
	obvious		
	atrocious		
	envious		
	ferocious		

26	are the words or phrases made by mixing up the letters of other words or phrases	[]
	anagram		
	Analogy		
	palindrome		
	Phrasal verbs		
27	Vocabulary, that is particularly belongs to a branch is called	[]
	Effective vocabulary		
	engineering vocabulary		
	Medical vocabulary		
	Technical vocabulary		
28	The words 'staff' and 'slaff' are examples of	[]
	Homographs		
	Homonyms		
	Homophones		
	none of the above		
29	'Speech rate' the term refers to	[]
	Measuring words per minute		
	Measuring sentences per minute		
	Measuring alphabets per minute		
	none of the above		
30	Slow speech is regarded as less than	[]
	130 words per minute		
	150 words per minute		
	110 words per minute		
	100 words per minute		
31	Speech rate alters depending upon the speaker's culture, emotional status, geographical location, subject matter, gender, etc.	[]
	no idea		

	yes		
	no		
	no		
32	One of the exercise to develop speech rate is	[]
	reading poetry in mind		
	listening to good speakers and practicing		
	observing kids		
	all the above		
33	is the auditory attribute of sound ordered on a scale from low to high	[]
	rate of speech		
	voice		
	pitch		
	none of the above		
34	Rising tone can be marked with the symbol or sign	[]
	Downward arrow		
	upward arrow		
	[^]		
	[]		
35	The words 'content'-'content' are examples of	[]
	Homographs		
	homophones		
	homonyms		
	all of these		
36	synonym of the word 'abandon'	[]
	try		
	join		
	keep with		
	forsake		

31	synonym of 'culinary'	L	J
	creative		
	distasteful		
	to do with cookery		
	invade		
38	Antonym of the word 'entangle'	[]
	untwist		
	twist		
	hook		
	impede		
39	Antonym of the word 'erudite'	[]
	unfamiliar		
	knowledgeable		
	illiterate		
	ignorant		
40	The adjective form of the word 'author'	[]
	authorial		
	auctorial		
	authored		
	none of the above		
41	The word 'technical' refers to	[]
	Special & practical knowledge		
	Undertaking		
	Related to computers		
	All the above		
42	The word 'Techno' is borrowed from	[]
	Latin		
	French		

	Italian		
43	Technical writing must be	[]
	Funny		
	Relevant		
	Inspirational		
	Precise		
44	Technical Vocabulary is basically	[]
	Formal		
	Informal		
	Semi formal		
	All the above.		
45	Technical vocabulary is used by	[]
	Everyone		
	Employees		
	The Experts in the field		
	People related to technology		
46	Technical Vocabulary has specific meanings	[]
	In all fields		
	With in the field		
	In General English		
	All the above		
47	The diction in Technical Vocabulary is	[]
	Simple and effective		
	Complex and long		
	Both of the above		
	None of the above.		

Greek

48	is an addition to the base form or stem of a word eitherbeginning or at the end, in order to modify its meaning or to create a new inthe word.	[]
	Suffixation		
	Pre fixation		
	Affixation		
	All the above.		
49	is a process in which a word is formed by combining 2or 3words together to make a new meaning	[]
	Clipping		
	Borrowing		
	Compounding		
	Conversion		
50	Email is an example of	[]
	Oral communication		
	Written communication		
	Aural Communication		
	None of the above		
51	communication is the life blood of a healthy and successful	[]
	organization,,		
	Reports		
	letters		
	Smart phone		
	Two way internal communication		
52	The content of communication is called	[]
	message		
	jargon		
	Media richness		
	noise		

53	Informal communication refers to	[]
	A friendly relaxed		
	Strict rules		
	gestures		
	Very formal		
54	formal communication is	[]
	Does not require analytical skills		
	require much resources		
	time consuming		
	a&b		
55	is an example of non verbal communication	[]
	Time		
	Bulletin board		
	Space		
	A&C		
56	Any communication that conveys a message consisting of word is called	[]
	Verbal communication		
	Oral communication		
	Aural communication		
	Non verbal communication		
57	Formal organization communication promotes team work and	[]
	Non co-operation		
	Low quality work		
	Co-ordination		
	Tedious and monotonous		
58	The three common forms of business /official messages are	[]
	The memo, fax, email		
	Proposal project and guidelines		

	Only reports		
	None		
59	Effective use of language such as clear writing, precision is required in]]
	NonVerbal communication		
	Verbal communication		
	Oral communication		
	Aural communication	[]
60	letters and memos carry messages like		
	Good news and good will messages		
	Sentimental messages		
	Logical messages		
	All of the above		
61	Whether formal or informal , any writer is expected to be	[]
	Courteous		
	Impolite		
	Honest		
	Unfaithful	[]
62	The is recipient – centered		
	We attitude		
	You attitude		
	I attitude		
	All of the above]]
63	ensures unity of language		

[]

Coherence

Compatibility

Open ideas

Close ideas

64	messages are written at the instance of serious problems of		
	health.		
	Sympathetic		
	Condolence		
	Appreciative		
	complimentary	[]
65	practices misinform and they cause miscommunication		
	Ethical practices		
	Un ethical practices		
	Negative practices		
	None		
66	are widely used in business transactions as part of written communication	[]
	Visual signs		
	Unusual signs		
	Gestures		
	Body language		
67	When detailed and specific communication has to be presentedmay be used	[]
	Tree diagrams		
	Tables		
	Visual signs		
	Pictures		
68	are symbols or numbers used to show data	[]
	Photographs		
	Pictograms		
	The Gantt		
	Tables		
69	Modern business communication makes use of in brochures	Г	1

Diagrams		
photographs		
maps		
Posters		
are used to show quantum of anything concentrated in a geographic area	[]
Tables		
Pillar		
Maps		
Bar graphs		
are often preferred for routine internal communication	[]
Notices		
Projects		
Circulars		
letters		
There are of formality and in formality in different forms of communication	[]
Distance		
Closeness		
All of the above		
degrees		
The performance of men and women students over the last five years may represented by a]]
Surface charts		
Line charts		
Pie charts		
Line and surface charts		
charts are used to depict progression of processes	[]
Flow chart		

	gantt chart		
	pie chart		
	pillar chart		
75	substantially contributes to nonverbal communication	[]
	Only facial expression		
	body language		
	only personal appearance		
	only lips		
76	Looking straight in the eye is a mark of in the west	[]
	Uncultured		
	irrational		
	dishonesty		
	refinement		
77	Movements of limbs and holding of the body in different positions is also form of	[]
	Communication		
	signals		
	body language		
	mis communication		
78	Leaning forward, while sitting in a chair at an interview is generally	[]
	Accepted		
	unethical		
	unfair		
	not recommended		
79	A wave of hand often conveys the meaning of a in the west	[]
	Formal greeting		
	informal greeting		
	conventional meeting		
	none of these		

80	Ambiguity caused by confused syntax or word order is called asbarrier	[]
	Linguistic barrier		
	cultural barrier		
	psychological barrier		
	cultural barrier		
81	Anything that distorts the senders intention or message is called	[]
	Noise		
	sound		
	gesture		
	visual signs		
82	Faulty encoding of the message by the recipient may be considered as result of	[]
	Sound		
	gestures		
	noise		
	disturbed mind		
83	Unethical factors such asoften block true communication	[]
	Greed		
	true		
	planned		
	cultural barriers		
84	Oral communication becomes ineffective because of	[]
	Poor listening		
	effective listening		
	loud listening		
	voice fluctuations		
85	Telephone conversations end up in jamming receivers because they irritate due to lack of	[]

	Courtesy		
	impolite tone		
	non use of courtesy markers		
	attitude		
86	B.C stands for	[]
	Business communication		
	business co-ordination		
	business co-operation		
	business comprehension		
87	The is the common form of external communication.	[]
	Letter		
	memo		
	circular		
	journal		
88	The is often described as work horse of business communication	[]
	Memo		
	report		
	none of above		
	email		
89	Ain business correspondence is an official document written by an individual	[]
	News		
	report		
	Project		
	official proposals		
90	in written communication alone can help maintain focus on the purpose of business communication	[]
	Honesty		
	Ideas		

	Brevity				
91	Written messages are preferred when is necessary]]		
	Feedback				
	record				
	Documents				
	email				
92	The messages should be	[]		
	Sincere				
	Insincere				
	sentimental				
	Impolite				
93	Speaking to the customer care executive is an example of	[]		
	Formal communication				
	informal communication				
	business communication				
	conventional communication				
94	Speaking to a friend on telephone is an example of	[]		
	Business communication				
	informal communication				
	formal communication				
	none of these				
95	is a quick form of official communication	[]		
	Fax				
	letter				
	Newspaper				
	A &b				
96	one of the etiquette of formal telephone communication is	ſ	1		

analytical reasoning

	Attentive listening		
	relaxed posture		
	ignoring		
	poor listening habits		
97	are important forms of communication	[]
	Verbal and nonverbal		
	only verbal		
	only nonverbal		
	all of these		
98	Communication is not a	[]
	one way process		
	two way process		
	silent process		
	all of these		
99	The best expression for the word "look in"	[]
	look back		
	a quick glance		
	difference		
	study deep		
100	All gestures in formal communication should with your speech	[]
	not coordinate		
	coordinate		
	lead to mis communication		
	not comprehend		
101	is precedes writing and speaking.	[]
	listening		
	reading		
	both a&b		

	none of the above		
102	most of the what you write and speak is born out how and what you	[]
	Read		
	Write		
	listen		
	Speak		
103	There was a widefread belief that reading would take a backseat because of	[]
	print media		
	electronic media		
	visual media		
	none of the above		
104	the reading skill which requires identifying main and sub points is referred to as	[]
	critical reading		
	study reading		
	analytical reading		
	exploratory reading		
105	Skills is occasionally applied to make a critical evaluation of matter.	[]
	idea reading		
	scanning reading		
	skimming reading		
	critical reading		
106	is usually short explanation of theories	[]
	scanning reading		
	analytical reading		
	exploratary reading		

idea reading 107 While reding long articles people go with the details like who wrote, in which context etc. this kind of reading is called exploratory reading analytical reading idea reading none of the above 108 ______ is particularly useful in handling correspondence is business, [where there may be a lot of unimportant material idea reading analytical reading exploratory reading scanning reading _____ is the fastest type of reading. 109] scanning reading skimming reading idea reading analytical reading 110 When you find a book, you _____ to see whether it fits your requirement or not. [skim analyze scan none of the above 111 Continuous _____ improves vocabulary. [] reading speaking

writing

all the above 112 Research related reading is a good example of _____] analytical reading scanning reading critical reading none of the above 113 ______ type reading is used to locate, what we are looking for] Skimming Scanning Analytical All of the above 114 Text material, which requires ______ is seldom long.] Critical reading Analytical reading Study reading **Exploratory reading** 115 Reading speed can vary from _____ words per minute, which would cover] almost all types of reading. 120-150 150-200 150-600 100-150 116 Every type of text requires a specific type of reading skill.] yes no idea

117 _____ will help you develop techniques of style, word usage and organization. [

]

no

don't know

	writing		
	reading		
	both a & b		
	none of the above		
118	Reading is a rich resource of	[]
	learning		
	imitating		
	repeating		
	all the above		
119	A test provides a different interpretation every time you read it.	[]
	literary		
	technical		
	both a &b		
	none of the above		
120	is permanent and can be referred back to as and when required, and it is an authentic as it can be checked and debated upon.]]
	spoken word		
	the written test		
	both a & b		
	none of the above		
121	Reading involves learners reading in detail with specific learning aims and tasks.	[]
	extensive reading		
	intensive reading		
	both a & b		
	no idea		
122	Reading involves learners reading tasks for enjoyment.	[]
	extensive reading		
	intensive reading		

12	3 What sort of reading is skimming	[]
	quick reading		
	slow reading		
	both a&b		
	None of the above		
124	Key words and numbers can help with	[]
	skimming		
	scanning		
	extensive reading		
	Intensive reading		
125	If you look at all the headlines in a paper, what are you doing?	[]
	Extensive reading		
	Intensive reading		
	skimming		
	scanning		
Signa	ture of the faculty	Но	,ME

both a & b

none of the above

Code: 50H15 MR 15

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

(Affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD) Maisammaguda, Dhulapally, (Post via Kompally), Secunderabad-500 100.

IV B.TECH II SEMESTER

SUBJECT: ENTREPRENEURSHIP SKILLS

(BRANCH :Common to CSE,ECE,EEE,ME,CE,Mining)

Name of the faculty: P.RAJITHA,B.KIRAN KUMAR REDDY,ABHINAV SWAROOP,DR.G.PRAVEEN KUMAR(MBA DEPARTMENT)

MOD	ULE-I			
Q.No	Question	Bloom's Taxonomy Level		
1.	Define entrepreneurship? What are the new trends you have noticed in entrepreneurship during 21 st century?	Remembering	1	
	OR			
2.	Entrepreneurs can fail even if they are committed and have the characteristics needed to be successful. Why do you think this can happen?	Understanding	1	
3.	Explain the evolution of entrepreneurship with suitable examples	Understanding	1	
	OR			
4.	How can an organizational development be aided by having a good entrepreneurial mind set?	Remembering	1	
5	Do you feel the service sector creates more job opportunities than the manufacturing sector—if yes, give reasons?	Creating	1	
	OR			
6	List out the various barriers to entrepreneurship. Write some overcoming measures for such barriers.	Remembering	1	
7	Discuss the various steps for setting up an enterprise.	Understanding	1	
	OR			
8	Distinguish between entrepreneur and entrepreneurship?	Understanding	1	
MODU	JLE-II			
1.	What are the problems faced by Indian Women Entrepreneurs and what government support can they avail of?	Remembering	2	
	OR			
2.	As a potential entrepreneur, how would you construct a business plan to satisfy your banker?	Remembering	2	

3.	Why do entrepreneurs need a strategy for success? Discuss an integrated corporate entrepreneurial strategy?	Remembering	2			
	OR					
4.	"Entrepreneurs are made not born". Comment and give reason for your views.	Understanding	2			

Signature of Faculty

Signature of HOD

Code: 50H15 MR-15-16

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS) IV B.Tech II Semester I Mid Question Bank 2018-19

Subject: Entrepreneurship Skills

Common: CSE,CE,ECE,EEE,Mech,Mining

Name of the faculty: P.RAJITHA, B.KIRAN KUMAR REDDY, ABHINAV

SWAROOP, DR.G. PRAVEEN KUMAR (MBA DEPARTMENT)

1.	SBIR stands for	[]
	a) Small business intelligent research b) Small business inventory research		
	c) Small business innovation research d) Small business inventory research	h _	
2.	Which statement is not true of entrepreneurs?	[]	
	a)They take risks		
	b) They apply innovative ideas.		
	c) They change the way businesses convert inputs into outputs		
	d) They generally stick to the processes already in use		
3.	The idea and actions that explain how a firm will make its profits refers to	ſ	1
	a)Mission b)Goal c)Objective d)Strategy	•	•
4.	Entrepreneurial success has been significant because of the culture and political and econ	omic	system
	in	[]
	a) European countries b)Asian countries c)Middle east d)Transition econor		
5.	A set of reasons for engaging in particular behaviour, especially human behaviour is known as the second of the se	wn as[]
_	a) Values b) Vision c) Mission d) Motivation	0 1	. 1
6.	Which of the following is not the characteristic that is helpful for an entrepreneur to have a)Self esteem b)Optimism c)Drive d)Caution	?	[]
7.	a)Self esteem b)Optimism c)Drive d)Caution Locus of control is		
<i>,</i> .	a)A feeling b)Attitude c)Attribute d)None of the above		
8.	Personal characteristic to be successful entrepreneur includes:	[1
	a) Understanding environment	•	•
	b) Creating management options		
	c) Encourage open discussion		
	d) All the above		
	Money or property owned are used in business	[]	
	a)Capitalism b)Capital c)Mentor d)Wage		
	Which of the following is presented as evidence of social factors influencing whether sor	neone	1
Decc	omes an owner-manager? a) Self-employment is more common among single people than among the married	L	J
	b) Although people believe self-employment runs in families, there is little evidence to	SIIDDO	rt this
	view	варро	t tills
	c) There seems to be little relationship between self-employment and age.		
	d) Self-employment is more common among some ethnic group		
11.	Full form of MUDRA	[]
	a) Macro units Development and refinance Agency		
	b) Micro units Development and recommend Agency		
	c) Micro units Development and refinance Agency		
12	d) None of the above	г	1
12.	International entrepreneurship is a)Licensing b)Exporting c)a&b d)None of the above	L	J
	a)Exporting c)a&b d)None of the above		
13.	is what the "W" in the SWOT analysis stands for	[]
10.	a) Wedge is what the "W" in the SWOT analysis stands for b) Work c) Worth of business d) Weakness	·	,
	·, · · · · · · · · · · · · · · · · · ·		
14.	An entrepreneur's primary motivation for starting business is	[]
	a)To make money b)To be independent c)To be famous d)To be powerful		
15.	To be successful in an entrepreneurial venture you need	[]

	a) Money	b)Luck	c)Hard work	d)Go	od idea			
16.	Entrepreneurs are b	est as					[]
	a) Managers	b)Venture capit	talists	c)Planners	d)Doers			
17.	Entrepreneurs are						[]
10	a) High risk taker	·	erate risk takers	c)Small risk	takers d	l)Doesn't	matte	r
18.	Entrepreneurs typic a) Service business	-						
	b) Manufacturing							
	c) Constructive co	_						
	d) A variety of ve							
19.	Female entrepreneu		t their venture at	the age of	ye	ears[]	
	a)35-45	b)25-30	c)20-25	d)40-45	·			
20.	Male entrepreneurs	normally start th	neir venture at th	e age of	year	'S	[]
	a)35-45	b)25-35	*	d)40-45				
21.	In	the death of e					[]
	a)Limited company	_	rietorship	c)Limited par	rtnership d	l)Corporat	ion	
22.	The term entrepren		\F_ 1:1	1/1/17	•		l]
22		b)Latin	6	d)UK	_		r 1	
23.	For the success of b				mamalizad		[]	
24	a)Limitless b)I An actor and a pers					neur in the	r]
24.	a)Earliest period						——І	J
25.	Which of the follow					•	enture	e. to
	make an assessmen	-	r	,		_	[]	
	a)Risk	b)Profit	c)Market	d)competitors	S			
26.	Which one of the	following is NO	OT an internal f	factor?			[]	
	a) New technology	y b) Marketing	c) Manufactur	ring d)Pe	ersonnel			
	The Entrepreneur			•		ortunity [1	
	a) Commitment of					,100,1110	1	I
	c) Control of reco		d) Strategic		2.5			
	,		=		1 1 /.1		1	ı
	8 re	-		-		-	_	ı
	a) Verbal program				· ·	of the ab	ove	
29.	People who own,	operate, and tal	ke risk of a bus	iness venture		[]	
8	a) Aptitude b) Em	ployee c) Entr	repreneurs	d) Entrepren	eurship			
30.	Which one is NO	T a disadvantag	ge of Entrepren	eurship?]]	
a)	Risky	b) Uncertain I	ncome c) You	are the boss	d) Work	long hou	ırs	
31.	The Entrepreneur					1	1	
) Middle ages	b) Early ages	c) 18th centu	-	d) 20th c	renfurv	ı	1
	_		ŕ	•	,	•	1	1
	The person who n						204	i
) Middle ages	b) Earl	ly ages	c) 18th centu	ıry	a)	20th	
	itury							
33.	Which of the follo	owing is alterna	tively called co	orporate ventu	ıring?	[]	
a) Entrepreneurship)	b) Intrapreneu	rship				
c) Act of stating a n	ew venture	d) Offering ne	w products b	y an existin	ig compar	ny	
	The activity which]	1	
) Motivation		iness skills	\ D		l) Goal or	rientat	ion
	•			-	-	,		
	Which one of the	Tollowing is IN	or one or the s	CHOOLS OF HIO	ugiii uiluci	r riacio VI	CW UI	I
	repreneurship?	1 \ 70'	\ D : :		1\ 3.7		J	ı
) Environmental	b) Financial			*	of the ab	ove	
36.	An entrepreneur d	loing business v	within the natio	nal border is	called:		[]	ĺ
a)	International entre	epreneurship		b) Intraprend	eurship			

c) Domestic entrepreneurship	d) None of the above	
37. A firm with five or fewer employ	ees, initial capitalization requirements of unde	r \$50,000,
and the regular operational involvem	ent of the owner	[]
a) Mentor b) Franchise c) Serv	ice d) Microenterprise	
38. Business activities that avoid hard	m to the environment or help to protect it in so	me way is []
a) Free enterprise system b) Entr		-
c) Green Entrepreneurship d) Soci	al Entrepreneurship	
39. A is a for-profit enterp	orise with the dual goals of achieving profitabil	ity and
attaining social returns	[]
a) Social business b) Green Entre	epreneurship	
c) Entrepreneur d) Soci	al Entrepreneurship	
40. Evaluation of your strengths and	weaknesses	[]
a) Self Assessment b) Employee	c) Entrepreneurship d) Entrepreneur	
41. Which one is NOT a disadvantag]
_	ncome c) You are the boss d) Work long ho	
42. What type of entrepreneurial business	iness actually produces the products they sell?	[]
a) Manufacturing b) Wholesaling		
43. What type of entrepreneurial business	iness sells products directly to the people who	use or
consume them?	[]
a) Manufacturing b) Wholesaling		
44. Which one is NOT an advantage]
a) Can choose a business of interes	-	
c) Make a lot of money	d) You will make decisions alone	
45. The ability to learn a particular ki	ind of job []
•	c) Entrepreneurship d) Entrepreneur	_
46. Entrepreneurs who start a series of	of companies are known as:	[]
a) Macropreneurs b) Intrapreneur	rs c) Multipreneurs d) None of the a	
47. The opposite of "opportunity thin	king" is:]
a) Obstacle thinking	b) Thought self-leadership.	
c) Self-efficiency	d) Adaptive response behavior.	
48. The startups which rarely go pub	lic are called:]
a) Life style b) Foundation compar	ny c) Small company d) High potential ventur	re
49. Venture capital firms are usually	organized as	[]
a) Closed-end mutual funds	b) Limited partnerships	
c) Corporations	d) nonprofit businesses	
50. The entrepreneur who is committed	ed to the entrepreneurial effort because it make	es good
business sense is classed as a/an		[]
a) Inventor b) Craftsman	c) Hacker d) Opportunist	
51 Today, inspired by the growth of	companies such as Amazon.com, entrepreneur	s are flocking
to the to start new businesses	-	[]
· · ·	,	of the above
	als that invests money in new or expanding b	usinesses for
ownership and potential profits is known a) An equity financing firm, b) Fran		noration
a) An equity financing firmb) Frances53 .For Internet start-ups, one typical	<u> </u>	poration []
	t funds. C) Stock financing d) Comm	
development financing	, 5	J

54. Felix is an entrepreneur. At this stage of his company, his main concerns are do we	hav	e er	ough
customers and money. What stage of growth is Felix's company in? []			
a) Survival b) Start-up c) Resource maturity d) None of the above			
55. The primary concerns when first3 starting your business are:	[]	
a) Marketing and accounting b) Planning and human resources			
c) Financing and marketing d) Financing and planning			
56. What are the primary sources of funding for entrepreneurs?	[]	
a) Personal savings and individual investors			
b) Finance companies and banks			
c) Small Business Administration and banks			
d) None of the above			
57. Which one of the following is a barrier to new product creation and developmen	t? []	
a) Trial and error b) Opportunity cost c) Opportunity parameter			
d) Intrapreneurship culture			
58. Which one of the factors should be considered while assessing the location for b	usin	ess?	•
]	
a) Parking b) Access from roadways to facility			
c) Delivery rates d) All of the given options			
59. Which one of the following is a sound strategic option for an entrepreneur when	syne	ergy	is
present?	[]	
a) Merger b) Joint venture c) Minority interest d) Majority inter	est		
60. The plan shows whether the business is economically feasible or not. []	
a) Financial b) Business c) Economic d) None of the above			
61. The point at which a venture is neither making profits nor losses is described by	the t	erm	1
	[]	
a) Start-up b) Buck-up c) Cash strap d) Break even			
62. An entrepreneur's failure to adhere to sound business practices can be considere	d as	[]	
a) Behaving unethically b) Ignoring indigenous customs			
c) Not observing local regulations d) None of the above			
63. Every business venture starts with	[]	
a) Capital b) An idea c) A market d) An opportunity			
64. Which of the following is NOT a method of generating a venture idea	[]	
a) Training b) Checklist c) Notebook d) Brainstorming			
65. Which of the following is NOT a push force of motivation?]	
a) Security needs b) Career advancement goals			
c) Attitude about the supervisor d) Amount and timing of feedback			
66. Which of the following is NOT an internal motivating force?	[]	
a) Goals b) Feedback c) Needs d) None of the above	_		
67. Which is one of the most important leadership qualities among managers and em	ploye	ees	in the
organization? []			
a) Entrepreneurship b) Motivation c) Communication d) Staffing			
68. An individual's search for a new venture creation and the desire to sustain that ve	nture	1S (called
a) Entrepreneurial Communication b) Entrepreneurial motivation			
c) Entrepreneurial skills d) None of the above			_
69. If expected outcomes are than achieved results, the entrepreneurs are m	iotiv	-	-
continue the same behaviour		L]
a) Less b) More c) Constant d) None		-	
70. Most of the successful entrepreneurs say that they are motivated by		L	j
a) Desire for money b) Desire to make their vision come true			
c) Both A & B d) None of the above		r 7	
71. Who was the first lady governor of an Indian state?		[]	
a) Miss padmaja Naidu b) Mrs. Sarojini Naidu			

c) Mrs. Sucheta Kripalani d) Mrs. Tarakeshwari Sinha	
72. Who among the following is the world's first woman cosmonaut?	[]
a) Bachendri Pal b) Junko Tabeic) Valentine Tereshkova d) Sally Ride	
73. Who among the following was the first woman minister of a state	[]
a) Vijayalakshmi Pandit b) Sarojini Naidu	
c) Rajkumari Amrit Kaur d) Indira Gandhi	
74. MSMED stands to	[]
a) Micro, Small & Medium Enterprises Development	
b) Mini, Small & Medium Enterprises Development	
c) Micro, Small & Medium Entrepreneurship Development	
d) Micro, Small & Medium Enterprises Department	
75 implies that women entrepreneurs are now economically independe	nt and take
decisions independently.	[]
a)Better utilization of resources b)Improved quality life	
c) Economic development d)Employment generation	

Signature of the faculty

Signature of the HOD

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

B.Tech-IV II SEM I Mid Examination Subjective Question Bank

Subject : Fundamentals of Geology
Branch /Specialization : : Mechanical Engineering
Name of the faculty : Dr. C. Srinivas Gupta

Q.No.	Question	Bloom's Taxonomy Level	СО
1.	Illustrate the short notes on Formation of deltas with neat sketch	Understanding	1
	OR		
2.	Illustrate Placer deposits and explain how they are formed?	Understanding	1
3.	Explain briefly on weathering of rocks?	Understanding	1
	OR		
4.	Analyze the internal structure and composition of the earth with diagram and explain in detail?	Analyzing	1
5.	Illustrate about wind erosion?	Understanding	1
	OR		
6.	List morphological notes on glacial deposits	Analyzing	1
	Companying a shout water and		
7.	a) The Karst Topography b) Pedestal rocks &ventifacts	Understanding	1
	OR		
8.	Outline in detail about the origin of the Earth	Understanding	1
Modul	e II		
1.	Explain the role of study of physical properties of minerals in the identification of minerals?	Understanding	1
	OR		
2.	Identify the important properties of: (a) Bauxite	Applying	1

	(b) Magnesite		
	(c) Graphite		
	(d) Galena.		
3.	Distinguish the relative advantages and disadvantages of different methods of study of minerals?	Analyzing	1
	OR		
4.	Construct a short notes on common structures of igneous rocks.	Applying	1
5.	Classify the common structures of sedimentary & metamorphic rocks.	Analyzing	1
	OR		
	Develop a short notes on the following with examples		
	a) Primary and secondary minerals in rocks		
6.	b) Essential & accessory minerals	Applying	1
	c) Leucocratic, melanocratic& mesocratic rocks		
		Amalyzina	
7.	Classify different textures in Igneous rocks	Analyzing	1
	OR Explain the terms Isomorphism, Polymorphism &Psuedomorphism	Undougton din o	
8.	in mineral giving suitable examples of each	Understanding	1
Modu			
1.	Explain the short notes on Structural geology and describe outcrop, strike &dip with the help of diagrams.	Understanding	1
	OR		
2.	Classify the different types of folds &faults.	Understanding	1
3.	Examine different types of folds with diagrams.	Analyzing	1
	OR	-	
4.	Illustrate different parts of faults with neat sketch.	Understanding	1

Malla Reddy Engineering College (Autonomous) DEPARTMENT OF MECHAINICAL ENGINEERING B.Tech.-IV Year II- Semester, J-Mid Examination

Subject:Fundamentals of Geology

Name of the Faculty: Dr. Srinivas

Gupta

Sl.No. Question Description

- 1 The Astronomical Unit expresses the distance of
 - a. One star from another star
 - b.One planet from another planet
 - c.The planet Earth from the sun
 - d.None of the above
- 2 One Astronomical Unit is equal to
 - a. 149.6 Million km
 - b. 249.6 Million km
 - c. 349.6 Million km
 - d. 420.6 Million km
- 3 The Mohorovicic discontinuity demarks
 - a. The inner core from the mantle
 - b. The outer core from the mantle
 - c. The crust from the mantle
 - d. The upper layer of the crust from the lower layer of the crust
- 4 The ozone layer is located in
 - a. The troposphere
 - b. The atmosphere
 - c. The ionosphere
 - d. The exosphere
- 5. The tidal hypothesis about the origin of the solar system was propounded by
 - a. American Scientist
 - b. British Astronomer Jeans
 - c. German Physicist Weizascker
 - d. Soviet Mathematician Schmidt
- 6. Half-life is a term used to
 - a. The period from which a planet can exist in the solar system
 - b. The time taken by a radioactive element to change to an end product of half of the total volume
 - c. The time taken for one half quantity of a radioactive element to decay a stable end product
 - d. None of the above
- 7. Carbonation is the action of
 - a. Carbon dioxide on the limestone rock
 - b. Atmospheric carbon dioxide mixed with moisture on rocks of suitable composition
 - c. Atmospheric carbon dioxide on iron-containing rocks
 - d. None of the above
- 8. Soil profile indicates

- a. The slope of an area is measured on the surface
- b. The composition of the top layer of soil in an area.
- c. The character of weathering as reflected by the type of the weathered products up to a certain depth.
- d. None of the above

е

- 9. Loess is the name given to
 - a. Heaps of sand accumulated in and around a town due to wind transport
 - b. Extensive deposits of silt and clay made by wind in many areas over the years
 - c. A depression in a desert where groundwater has appeared due to excessive erosion
 - d. None of the above
- 10. Base level of river erosion means
 - a. The lowest level of a river valley in a given region
 - b. The lowest level upto which a stream can theoretically cut down its channels.
 - c. The capacity of a river to erode its base
 - d. None of the above

11. Saltation is a term used for expressing

- a. A method of sediment of transport by wind and water in a series of jumps or in skidding and sliding manner.
- b. A method of sediment transport in which load is transported in a dissolved salt form
- c. A process of formation of salts by evaporation of river water
- d. None of the above
- 12. Incised meanders develop in
 - a. The mountainous region of youthful rivers
 - b. The flood plain areas of mature river
 - c. The deltaic regions of old age rivers
 - d. None of the above
- 13. An oxbow lake is actually
 - a. Salt lake formed in a coastal areas when sea water gets trapped in an isolated depression
 - b. A fresh water lake occurring in the mountainous regions.
 - c. An isolated, detached loop of meandering river region
 - d. None of the above
- 14. Stalactites and stalagmites are features of
 - a. Stream erosion developed in limestone region by specific chemical reactions
 - b. Marine erosion and deposition formed along coastal regions by selective erosion followed by deposition by waves
 - c. Ground water deposition in caves formed by precipitation from dipping water rich in dissolved calcium carbonate
 - d. None of the above
- 15. Atolls is a term used for
 - a. Remnant outstanding obstructions in peneplains that havewithstood the erosive work of the rivers
 - b. Caves formed by the solvent action of ground water
 - c. Deposits of coral reef group surrounding a central water body or lagoon
 - d. None of the above

- 16. Glaciers are downward moving bodies of
 - a. Pure snow
 - b. Mostly ice and may be some snow at the top
 - c. Snow at the bottom and some ice at the top
 - d. None of the above
- 17. Hanging valleys develop when
 - a. Rate of erosion is greater in the main valley compared to the side valley
 - b. Rate of glacial erosion is greater in the side valley as compared to that of main valley
 - c. Rate of glacial erosion is same in both the valleys
 - d. None of the above
- 18. Roche mountains is a future of
 - a. Glacial erosion
 - b. Glacial deposition
 - c. Glacial erosion and deposition
 - d. None of the above
- 19. The rate of downward movement in a glacier is
 - a. Same throughout its body
 - b. Greater at the top compared to at the base
 - c. Lesser at the top compared to the base
 - d. None of the above
- 20. Tillite is the name given to
 - a. A rock like mass made of river washed sands, clays and boulders and having layers.
 - b. A rock like mass made of boulders and clays showing no evidence of assortment and indicating direct deposition from glacial ice
 - c. A cavity created in a rock like mass due to melting of an ice block subsequent to deposition of the mass.
 - d. None of the above
- 21. What is the total length of the coastline in India
 - a. 4689 km
 - b. 5689 km
 - c. 3550 km
 - d. 6320 km
- 22. Name the highest active volcano in the world
 - a. Etna (3300mts)
 - b. Cotapaxi (5974 mts)
 - c. Sangay (5980)
 - d. Fuego ()4786mts)
- 23. Chemical weathering is more effective than mechanical weathering in
 - a. Semiarid region
 - b. Arid region
 - c. Wet or humid regions
 - d. All of the above
- 24. The second largest island in the world, i.e., new Guinea, is located in the
 - a. Atlantic Ocean
 - b. Pacific Ocean
 - c. Indian Ocean
 - d. Bay of Bengal

25.	Bays and headlines are generally found in shorelines of
	a. Submergence
	b. Emergence
	c. Neutral type
	d. Faulted type
26.	An OASIS is formed
	a. When the glacier terminates
	b. By the filling in ofa depression by rain water
	c. By wind erosion down to water table in a desert
	d. A relic in the form of a small lake of large ancient bodies of water near coasta
	regions.
27.	Kalahari desert is in
	a. India
	b. China
	c. Africa
	d. South America
28.	Shadow zone forms at
	a. Moho discontinuity
	b. Gutenberg discontinuity
	c. Conrad discontinuity
	d. 20° discontinuity
29.	The radioactive decay was discovered by
	a. Becquereal
	b. Marie curie
	c. Pierre curie
	d. Marie and Pierre Curie both
30.	An instrument that record the warps of volcano is known as
50.	a. Tiltmeter
	b. Seismogram
	c. Pycanometer
	d. Altimeter
31	Central Part of the earth's core is
J1	a. Solid
	b. Liquid
	c. Semisolid
	d. None of the above
32.	Earth's mantle is separated from core by
32.	a. Mohorovicic discontinuity
	b. Gutenberg discontinuity
	c. Separated by igneous rocks
	d. None of the above
22	
33.	Gutenberg break is located at a depth of
	a. 3000km
	b. 2600 km
	c. 2900 km
2.4	d. 3900 km
34.	Asthenosphere (a low velocity layer) has been identified in the upper part of the
mantle fr	om around km tokm of depth.
	a. 100 km to 350 km
	b. 125 km to 360 km

c. 300 km to 400 km d. 60 km. to 350 km 35. The thickness of crust varies at different places but its maximum thickness is on the continents a. 90km b. 79km c. 140km d. 70km. 36 From 'Focus' the type of earthquake waves starts a. Push-waves b. Shaky- waves c. Long - waves d. All the above waves The process of glacial erosion, transportation and deposition is called as 37. a. Abrasion b. Fluvial cycle c. Glaciation d. Ice process 38. Spheroidal weathering is generally seen in a. Granites and basalts b. Granites and graphites c. Granites and schist d. Granites and sandstones 39. Age of the earth is a. 4.5 million years b. 4.5 billions years c. 450 million years d. 450 billions years 40. Nearest planet to the Earth is a. Uranus b. Mars c. Jupiter d. Mercury "Sial" layer consists of 41. a. Silica and Magnesium b. Silica and Aluminum c. Silica and Iron d. Aluminum and Magnesium "Sima" layer consists of 42. a. Silica and Iron constituents b. Silica and Magnesium constituents c. Silica and Aluminum constituents d. Aluminum and Magnesium constituents 43. Meanders are the

a. Curve shape of the wind deposits b. Curve shape of the rivers

c. Curve shape of the mountains

d. None of the above

44. Deposition takes place in meanders of a river on the

a. Inner curve of the river

- b. Outer curve of the river
- c. Both the above
- d. None of the above

45. Moraines

- a. Accumulation of the material which has been transported by rivers
- b. Accumulation of the material which has been transported by wind
- c. Accumulation of the material which has been transported and deposited by the magma
- d. Accumulation of the material which has been transported and deposited by glacier.
- 46. Stalactites and stalagmites forms generally
 - a. Cave deposits
 - b. River deposits
 - c. Wind deposits
 - d. Glacier deposition
- 47 Alluvial deposits are forms due to the action of
 - a. Volcanoes
 - b. Earthquakes
 - c. Glaciers
 - d. Rivers
- 48. "Ventifacts" are the
 - a. Pebbles of rocks or minerals which have developed some plane faces due to wind abrasion
 - b. Vein-like structures in the volcanic area due to the magmatic intrusions
 - c. Ventilator like formation due to chemical weathering in a limestone area
 - d. None of the above

49. Sand dunes

- a. Sands deposited by wind
- b. Sands deposited by water
- c. Sands deposited by ice
- d. All of the above
- Rock fragments constituting of different sizes of the ejected material on the volcanoes called as
 - a. Pyroclastic material
 - b. Clastic material
 - c. Volcanic ash
 - d. Cinders or lapilli
- 1. The hardness of a mineral is defined as
 - a. The resistance a mineral offers to load imposed on it
 - b. The resistance a mineral offers to decay and deterioration to atmospheric agencies
 - c. The resistance a mineral offers to scratching or rubbing action.
 - d. None of the above
- 2. Cleavage of a mineral
 - a. Tendency to split along certain directions yielding smooth surfaces
 - b. Appearance on a broken surface of a mineral
 - c. Arrangement of mineral in layers due to pressure etc., at the time of its formation
 - d. None of the above
- 3. Streak of a mineral is

a. Its appearance in diffused light as obtained by rotating it.
b. Colour of the powder of coloured mineral as obtained by rubbing it on a
porcelain plate
c. Its appearance in thin sections as seen under a polarizing microscope
d. None of the above
Ore mineral generally have specific gravity than the non-metallic minerals.
and the land
a. Higher
b. Lower c. Same
d. None of the above
Feldspars are formed by
a. Process of crystallization from igneous rocks
b. Consolidation of vapours from volcanic emanations
c. Evaporation and precipitation from saturated solutions over the surface of the
earth
d. None of the above
In composition, halite, is
a. A carbonate of magnesium(Mg) ₂ CO ₃
b. An oxide of Silica SiO ₂
c. A chloride of sodium NaCl
d. None of the above
The cleavage angles in pyroxenes are
a. 93° and 87°
b. 124° and 56°
c. 90° and 90°
d. None of the above
The plagioclase feldspar isomorphous series is known as
a. Orthoclase-microcline series
b. Albite – Anorthite series
c. Augite – Anorthite-albite series
d. None of the above
Plutonic igneous rocks are always formed from the cooling of a. The lava under water;
a. The lava under water;b. Magma just below the surface of the earth;
c. Lava over the surface of the earth;
d. Magma at great depths below the surface of the earth
Poiklitictexture is characterized with
a. Presence of large sized crystals in a fine ground mass
b. Presence of small sized crystals dispersed within the body of large sized mineral
c. Distribution of crystals of same size in a fine grained ground mass
d. The entire constituents being present in glassy form
The rocks 'syenites' contain Essential mineral groups
a. Alkali-felspars
b. Orthoclase+ quartz
c. Plagioclase + quartz
d. Lime -soda feldspars

The rocks 'gabbro' contain Essential mineral groups

4.

5.

6.

7.

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9.

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11.

12.

a. Alkali-felsparsb. Orthoclase+ quartz

- c. Plagioclase + quartz
 d. Lime-soda feldspars
 13. The rocks 'granite' contain Essential mineral groups
 a. Orthoclase+ quartz
 b. Alkali-felspars
 c. Plagioclase + quartz
- 14. The rocks 'Tonalite' contain Essential mineral groups
 - a. Orthoclase+ quartz

d. Lime –soda feldspars

- b. Alkali-felspars
- c. Plagioclase + quartz
- d. Lime –soda feldspars
- 15. The rocks 'Trachylite' contain Essential mineral groups
 - a. Orthoclase+ quartz
 - b. Felspithoids+felspars
 - c. Plagioclase + quartz
 - d. Lime –soda feldspars
- 16. The rocks 'Diorite' contain Essential mineral groups........
 - a. Orthoclase+ quartz
 - b. Alkali-felspars
 - c. Plagioclase + quartz
 - d. Lime –soda feldspars
- 17. The term lamination is used to express
 - a. The stratified nature of fine-grained sedimentary rocks in which individual layers are very thin;
 - b. Occurrence of fossils in sedimentary rocks
 - c. Inclination of layers in sedimentary rocks
 - d. None of the above
- 18. Oolitic structure explains
 - a. Occurrence of walnut sized concretions in sedimentary rocks
 - b. Presence of fish-egged size concretions in rocks
 - c. Presence of gravel-size concretions in rocks
 - d. None of the above
- 19. Kankar is a variety of
 - a. Sandstone
 - b. Limestone
 - c. Shale
 - d. Coal
- 20. Flint is a type of sedimentary rocks formed by
 - a. Mechanical processes like erosion, transport, deposition and welding.
 - b. Organic process like accumulation of remains of siliceous bodied animals.
 - c. Chemical processes of precipitation from sea water rich in amorphous silica
 - d. None of the above
- 21. Metamorphism is a process of of change in the rocks in which
 - a. Pre-existing rocks undergo complete re-crystallization after undergoing melting due to high temperature and pressure
 - b. Pre-existing rocks may undergo changes in structure, texture and even composition under the changed conditions of heat, pressure and chemically active fluids remaining in solid state all the time.

- c. Pre-existing rocks suffer only structural changes under crushing loads under without undergoing any changes in texure, composition, etc.
- d. None of the above conditions are valid
- 22. A metamorphic facies
 - a. Is indicative of metamorphic environment through which pre-existing rocks have passed to form metamorphic rocks of different types
 - b. Defines the nature of pre-existing rock before it undergoes metamorphism;
 - c. Is a textural term defining the development of large scale textures and structures over broad areas of metamorphic rocks.
 - d. Is not covered by any of the above three definitions.
- 23. Stress minerals are characterized with
 - a. Flaky, platy and elongated shapes;
 - b. Angular, regular and polyhedral outlines.
 - c. Perfectly rounded and granular minerals.
 - d. None from above forms.
- 24. The formation of placer deposits is primarily due to
 - a. The sorting power of the transporting medium and the inherent physical properties of the placer mineral.
 - b. Igneous process resulting in crystallization of economic minerals at a suitably located geological situation.
 - c. Metamorphic processes that make pressure and temperature conditions conductive to transformation of original minerals into placer accumulations
 - d. None of the above
- 25. Coal deposits are formed due to
 - a. Thermal metamorphism of organic source material.
 - b. Accumulation of vegetable matter in a proper sedimentary environment and its subsequent bio-chemical-mechanical transformation
 - c. Some undefined igneous process which is not yet to be understood.
 - d. None of the above
- 26. Hardness of feldspar mineral is
 - a. 8
 - b. 7
 - c. 6
 - d. 5
- 27. Fosterite mineral belongs to
 - a. Feldspar group
 - b. Epidote group
 - c. Zeolite Group
 - d. Olivine Group
- 28. Diamond crystallizes in
 - a. Cubic system
 - b. Tetragonal system
 - c. Hexagonal system
 - d. Orthorhombic system
- 29. Quartz mineral typically shows
 - a. Even fracture
 - b. Uneven fracture
 - c. Conchoidal fracture
 - d. Smooth surface
- 30. The chemical composition of the mineral Microcline is

a. KAlSi₃O₈
b. NaAl₂Si₂O₈
c. CaAl₂Si₂O₈

d. KAl₂Si₂O₈

- 31. Most of the carbonate minerals crystallizes in
 - a. Tetragonal system
 - b. Cubic system
 - c. Hexagonal system
 - d. Monoclinic system
- 32. Serpentine alteration can be seen in
 - a. Olivine
 - b. Orthoclase
 - c. Augite
 - d. Hornblende
- 33. Steatite is an impure variety of
 - a. Asbestos
 - b. Barites
 - c. Talc
 - d. Gypsum
- 34. Magnesium aluminium garnet mineral is
 - a. Pyrope
 - b. Grossularite
 - c. Spessertite
 - d. Almondite
- 35. Fracture is a
 - a. Cleavage surface of the mineral
 - b. Broken surface of the mineral
 - c. Flat surface of the mineral
 - d. None of the above
- 36. 'Lustre' is a
 - a. Broken surface of the mineral
 - b. Shining on mineral surface
 - c. Flat surface of the mineral
 - d. Polished surface of the mineral
- 37. Indicate the physical property of a mineral which is dependent on light.
 - a. Lustre
 - b. Fracture
 - c. Streak
 - d. Specific gravity
- 38. Even fracture can be seen in
 - a. Quartz
 - b. Microcline
 - c. Limestone
 - d. Orthoclase
- 39. Kyanite mineral occurs in
 - a. Sheet form
 - b. Bladed form
 - c. Acicular form
 - d. Fibrous form
- 40. Chemical composition of the Barite mineral is

- a. BaSO₄
- b. BaCO₃
- c. CaSO₃
- d. MgSO₃
- 41. Dykes occur
 - a. Only in discordant form
 - b. Only concordant form
 - c. Both concordant and discordant form
 - d. None of the above
- 42. Sill occurs as
 - a. Only in discordant form
 - b. Only concordant form
 - c. Both concordant and discordant form
 - d. None of the above
- 43. Vesicular structures characteristic feature of
 - a. Plutonic igneous rocks
 - b. Hypabyssal igneous rocks
 - c. Volcanic igneous rocks
 - d. Deep-seated sedimentary rocks
- 44. Bun shaped mass of igneous rock formed, which has a flat base and domed top is described as
 - a. Laccolith
 - b. Lopolith
 - c. Dykes
 - d. Sill
- 45. Rocks formed due to the consolidation of magma below the surface of the earth are described as
 - a. Intrusive rocks
 - b. Extrusive rocks
 - c. Volcanic rocks
 - d. None of the above
- 46. The metamorphism in which the great heat and uniform pressure at depth are described as
 - a. Volcanic metamorphism
 - b. Contact metamorphism
 - c. Caustic metamorphism
 - d. Plutonic metamorphism
- 47. Characteristic feature of sedimentary rocks is
 - a. Vesicular structure
 - b. Amygdaloidal structure
 - c. Stratification or bedding
 - d. Gneissosity
- 48. Dunite is a
 - a. Mono-mineral rock
 - b. Double Mineral rock
 - c. Multi mineral rock
 - d. It occurs in all the above ways
- 49. Delta structure consisting of consists of
 - a. Only topset beds
 - b. Only foreset beds

- c. Only bottomset beds
- d. All the above types of beds
- 50. Shale belongs to
 - a. Rudaceous rocks
 - b. Argillaceous rocks
 - c. Arenaceous rocks
- 1. Dip is defined as
 - a. The inclination of a layer of rock with a horizontal plane
 - b. The angle of inclination of a layer of rock with vertical plane;
 - c. The angle which the slope of mountain makes in general
 - d. None of the above
- 2. Plunge is the angle which is determined in a fold with respect to
 - a. Axial plane of the fold
 - b. Axis of the fold
 - c. Strike of the fold
 - d. None of the above
- 3. In Isoclinal fold, all the axial planes
 - a. Are essentially vertical and parallel
 - b. May be vertical, inclined or horizontal, but all are parallel;
 - c. Are essentially horizontal, but parallel
 - d. None of the above
- 4. Drag folds are developed in the layers
 - a. Which are competent and surrounded on sides by incompetent layers
 - b. Which are incompetent and surrounded on sides by competent layers on both sides
 - c. Which are surrounded by on sides by igneous rocks
 - d. None of these conditions
- 5. A fault is essentially a fracture
 - a. With or without a relative displacement having taken place apast its surface;
 - b. Along which some definite amount of relative displacement has taken place;
 - c. That has opened up without a relative displacement;
 - d. None of the above
- 6. Block mountain is the term used for
 - a. Mountains created by thrust faults;
 - b. Mountains created due to slipping of side blocks along parallel strike faults having behind raised blocks
 - c. Mountains developed due to denudation of original land by glaciers.
 - d. None of the above
- 7. Anticline is a structure, where the two limbs of the fold dips
 - a. In opposite direction
 - b. Towards each other
 - c. Both the above (a) and (b)
 - d. None of the above
- 8. 'True dip' value is
 - a. Lesser than the apparent dip value
 - b. Equal to the apparent dip value
 - c. Greater than the apparent dip value
 - d. Not related to t the apparent dip value
- 9. 'Outlier'
 - a. In which the older rocks surrounded by the younger rocks

- b. In which the younger rocks surrounded by the older rocks
- c. Older rocks and younger rocks are parallel to each other
- d. Older rocks perpendicular to the younger rocks
- 10. 'Syncline' is a structure, where two limbs of the fold dips
 - a. In opposite direction
 - b. Towards each other
 - c. Both the above (a) and (b)
 - d. None of the above
- 11. 'orogeny'is a process
 - a. The results for the formation of new economic mineral formation
 - b. Of mountain building activity
 - c. Of secondary enrichment of ore deposits
 - d. None of the above
- 12. "Strike"
 - a. The direction in which a horizontal line can be drawn on a plane surface of the bed
 - b. The direction in which a vertical line can be drawn on a plane surface of the bed
 - c. The direction in which straight line can be drawn on plane surface of the bed
 - d. The direction in which a straight line can be drawn on inclined surface of the bed
- 13. Shield area are also described as
 - a. Cratons
 - b. Basins
 - c. Negative areas
 - d. None of the above
- 14. 'Geosynclines' are considered to be
 - a. Negative areas
 - b. Positive areas
 - c. Volcanic areas
 - d. None of the above
- 15. 'Shield' areas are the
 - a. Orogenic areas
 - b. Most-unstable
 - c. Most-stable areas
 - d. None of these
- 16. 'Nappe' is the structure related to
 - a. Joints
 - b. Folds
 - c. Faults
 - d. Unconformities
- 17. 'Hinge' of a fold is the line of
 - a. Minimum curvature in a folded bed
 - b. Maximum curvature in a folded bed
 - c. Lower most part of the fold
 - d. Upper most part of the fold
- 18. 'fold axis'
 - a. Is a line oblique to the hinges
 - b. Is a line parallel to the hinges
 - c. Is a line oblique to the trough
 - d. Is a line parallel t the trough

- 19. The sides of a fold is described as
 - a. Troughs
 - b. Crusts
 - c. Limbs or flanks
 - d. Crests
- 20. In an 'anticline'
 - a. Older rocks are in the centre
 - b. Younger rocks are in the centre
 - c. It occurs in both the above ways
 - d. None of the above
- 21. The shape of 'syncline' is
 - a. Concave upward
 - b. Convex upwards
 - c. Plane surface
 - d. None of the above
- 22. 'Cheveron fold'
 - a. In which the hinges are irregular and rounded
 - b. In which the hinges are smooth and rounded
 - c. In which the hinges are sharp and angular
- 23. 'Box fold'
 - a. In which the crest is broad, flat and two hinges are present
 - b. In which the crest is not broad and only one hinge is present
 - c. In which the crest is rounded and only one hinge is present
 - d. None of the above
- 24. 'Fan fold '
 - a. A fold in which one limb is overturned
 - b. A fold in which both limbs are overturned
 - c. A fold in which none of the limbs is overturned
 - d. None of the above
- 25. 'Dome '
 - a. Is anticlinal uplift that has no distinct trend
 - b. Is anticlinal uplift that has a distinct trend
 - c. Is synclinal depression that has no distinct trend
 - d. Is synclinal depression that has distinct trend

Signature of the Faculty

Signature of the HoD

Code: 50150 MR 15

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS) B.Tech IV-I Semester (MR 15) I Mid Examination Subjective Question Bank

Subject: Green Buildings (50150) Branch: CE

Name of the faculty: K.HARSHADA/A.SAI BABA

Q.No.	Question	Bloom's Taxonomy Level	СО
	Module-I		
1.	Define Green Buildings	Remembering	1
	OR		
2.	What are the objectives of Green Building	Remembering	1
3.	Explain High Performance in buildings	Understandin g	1
	OR		
4.	Explain the various methods for building assessments	understanding	1
5.	Identify the different tools used for building assessment	Applying	1
6.	Identify the Advantages of green Buildings	Applying	1
	OR		
7.	Analyze the different methods for building assessments	Analyzing	1
0	Analyza Croon Clohos	A1	1
8.	Analyze Green Globes	Analyzing	1
	<u>Module-II</u>		

1.	Explain the process of Green Buildings	Understandin	2
		g	
	OR		ı
2.	Explain few Key points for designing Green Buildings	Understandin g	2
3.	Illustrate the design and construction relationships for Green Buildings	Understandin g	2
	OR	1	
4.	Interpret the benefits of Green Buildings to society	Understandin g	2
5.	Identify some important quality check of Green Buildings		2
	OR		1
6.	Identify some of the salient features for healthy and safe environment in Green Buildings	Applying	2
	OR	<u> </u>	
7.	List the precautions for selecting the site for Green Buildings	Analyzing	2
8.	Examine the Landscape Strategies	Analyzing	2

	Module-III		
1	Illustrate basis building energy system strategies	Undonstandin	3
1.	Illustrate basic building energy system strategies	Understandin g	3
	OR	1	
2.	Summarize IEQ	Understandin g	3
3.	Analyze the water cycle procedure in Green Buildings	Analyzing	3
	OR		
4.	Compare few strategies for construction of Green Buildings	Analyzing	3
		,	•
		C' A PIT T	

MALLAREDDY ENGINEERING COLLEGE (AUTONOMOUS)

IV B.TECH I SEM (MR15REGULATIONS)1ST MID EXAM QUESTIONS

Subject: Green Buildings (Open Elective)

Branch: MECHANICAL **Name Of the Faculty:** K.Harshada/ P

SureshchandraBabu

Objective Questions: MODULE-I

1 IGBC Stands for

- a. Indian Green Body Council
- b. Indo Green Building Council
- c. Indian Green Building Council
- d. none of these

2) VOC Stands for

- a. Volatile Organic Compound
- b. Volume Organic Compound
- c. Volatile Organism Compound
- d. Volume Organism Compound
- 3) Green Building also known as
 - a. Green Construction
 - b. Sustainable Building
 - c. Both (a) & (B)
 - d. Conventional Building
- 4) A Green Building is one which....
 - a. Uses Less water
 - b. Optimizes energy efficiency
 - c. Conserves Natural resources

d.	All the above
5) Fun	damental Principles of Green Building are
a.	Structure design efficiency
b.	Energy Efficiency
c.	Water Efficiency
d.	All the above
6)Redu	uce Operating cost comes under which benefit of green buildings
a.	Environmental
b.	Economic
C.	Social
d.	None of these
7) Imp	rove Quality of life comes under which benefit of green buildings
a.	Environmental
b.	Economic
c.	Social
d.	None of these
8)Imp	rove air and water quality comes under which benefit of green buildings
a.	Environmental
b.	Economic
c.	Social
d.	None of these
9) Disa	dvantage of Green Building is
a.	Initial Cost is High
b.	Eco-Friendly Construction

c. Pollution can be decreased

d.	All the Above		
10)Gr	10)Green Building involves inactivities		
a.	Energy		
b.	Materials		
c.	Indoor Air Quality		
d.	All the above		
11) Ind	lia will have one lakh green building by the year		
a.	2022		
b.	2023		
c.	2025		
d.	2026		
12) Gre	een Building can be accomplished when certain requirements are fulfilled		
a.	Reuse		
b.	Reduce		
c.	Recycle		
d.	All the above		
13)Gr	een Building is actually an important factor in lowering the		
a.	Negative Impact		
b.	Positive Impact		
c.	Both Negative and Positive Impact		
d.	None of these		
14)	is a material used in construction		
a.	Chalk		
b.	Brick		
c.	Paper		

15) LEE	ED Stands for
a.	Leadership in Eco and Environmental Design
b.	Leadership in Energy and Environmental Design
C.	Leadership in Energy and Eco Design
d.	Leadership in East and Environmental Design
16) CII	Stands for
a.	Confederation of Italian Industry
b.	Confederation of Indian Income
C.	Confederation of Indian Insulation
d.	Confederation of Indian Industry
17)The	e major gas that emits by the industry is
a.	СО
b.	CO ₂
c.	CFC
d.	All the above
18)Saf	eguarding the rain Water is done by which technique
a.	Room Harvesting
b.	Pit Harvesting
c.	Rain water safeguarding
d.	Rain Water Harvesting
19)Bui	lding waste often includes
a.	Concrete
b.	Metals

d. Computers

c. Wood

d. All the above 20)Disposing of waste has huge environmental impacts and can cause a. Landfill sites b. Holes in the Ground c. Methane gas d. All the above 21)-----produced as waste decomposes may cause pollution a. cosmosis b. Leeder c. Leachate d. Voltaic 22)Scale Model Measurement is a a. Comparing of existing method b. Standard Skies Method c. Sophisticated Method d. Evaluation Method 23) Evaluation Method for day lighting design a. Scale-model measurement b. Simplified calculation method c. Sophisticated computational method d. All the above 24)Scale models portray the distribution of daylight within the model room almost

a. Full-Size Room

b. Half-Size Room

c. Quarter-Size Room

- d. None of the above25)Artificial Sky Measurement is done bya. Artificial Sky
 - b. Sky-Simulator
 - c. Both (a) & (b)
 - d. None of the above

26)Simplified Calculation Method

- a. Daylight Factor
- b. Average Day light factor
- c. Vertical day light factor
- d. All the above
- 27) Day light Factor
 - a. DF = $E_v/E_{vd} \times 110 \%$
 - b. DF = $E_v/E_{vd} \times 120 \%$
 - c. DF = $E_v/E_{vd} \times 100 \%$
 - d. DF = $E_v/E_{vd} \times 130 \%$

28) Sophisticated Computational Method

- a. Maxwell's Electromagnetic Wave
- b. Radiosity
- c. Ray Tracing
- d. All the above

29)EMW Stands for.....

- a. Electro mono Wave
- b. Electro Magnetic Wave
- c. Electro Mass Wave

d.	Elemented magnetic Wave
30) Th	e following geometrics are available in Radiance
a.	Polygon
b.	Ring
C.	Tube
d.	All the above
31)Gre	een Building Emphasies on
a.	Reduced Energy Use
b.	Reduced Waste
C.	Both (a) & (b)
d.	None of the above
32)Gre	een Building Material can also be called as
a.	Conventional Material
b.	Renewable Material
C.	Eco Friendly Material
d.	Non- Renewable Material
33.Pro	duction of building materials leads to
a.	Environmental Impact
b.	reversible Environmental Impact
c.	Irreversible Environmental Impact
d.	None of the above
34.Brid	ck Kilns leads to
a.	Impact on water
b.	Impact on air
C.	No impact on Environment

a.	Steel
b.	Brick
C.	Bamboo
d.	Wood
36.Co	nventional Material can become eco-friendly based on
a.	Quality
b.	Quantity
C.	Construction Technique
d.	None of the above
37	bond can be a Conventional eco-friendly
a.	Header Bond
b.	Stretcher Bond
C.	English Bond
d.	Rat Trap Bond
38.So	urces of Green Building Materials are
a.	Renewable Sources
b.	Reuse of waste
C.	Both (a) & (b)
d.	None of these
39.Exa	ample for Renewable Source of Eco-Friendly Material
a.	Wood
b.	Steel
c.	Concrete

d. Environmental Impact

35.A material by itself can be eco-friendly

40)	40).Example for Reuse of Waste Eco-Friendly Material		
	a.	Wood	
	b.	Steel	
	c.	Old Plumbing	
	d.	Concrete	
41	.Ba	gasse Board is aEco-Friendly Material	
	a.	Renewable Source	
	b.	Non-Renewable Source	
	c.	Reuse of Agricultural Waste	
	d.	Reuse of Industrial Waste	
42.	Ene	rgy Conservation can be done by implementinglamps	
	a.	EED	
	b.	LFL	
	c.	CFL	
	d.	LED	
43.	Ba	gasse is aEco-Friendly Material	
	a.	Conventional Eco-Friendly	
	b.	Potential Eco-Friendly	
	c.	Both Conventional & Potential Eco-Friendly	
	d.	None	
44.	Wi	ndows and openings can be replaced withgreen material	
	a.	Insulated Glass	
	c.	Aluminum Paneled Plain Glasses None of these	

d. Old Plumbing

45.Lighting Fixtures can be replaced withgreen material		
a.	CFL Lights & Bulbs	
b.	High Watt LED Tube lights & bulbs	
c.	Low Watt LED Tube lights & bulbs	
d.	None of these	
46.Plumbing Fixtures can be replaced withgreen material		
a.	Conventional Fixtures	
b.	Special Green Fixtures	
c.	Any Fixtures	
d.	None of these	
47)Flo	oring can be replaced withgreen material	
a.	HDFC Flooring	
b.	PVC Flooring	
c.	Glazed Tiles	
d.	China Mosaic	
48)Doors can be replaced withgreen material		
a.	Pine Wood	
b.	Engineering Wood	
c.	Bamboo	
d.	None of these	
49.Pai	nts can be replaced withgreen material	

c.	Plastic Non VOC		
d.	None of the above		
50.Bric	50.Bricks can be replaced withgreen material		
a.	Clay Bricks		
b.	Flyash Bricks		
C.	Cement Bricks		
d.	None of the above		
51.Cen	nent can be replaced withgreen material		
a.	Pozzalonic Portland Cement		
b.	Ordinary Portland Cement		
C.	Special Cements		
d.	None of the above		
52.Gre	en Globes is anCertification Tool		
a.	Offline Green Building Rating		
b.	Online Green Building Rating		
c.	Both (a) & (b)		
d.	None of the above		
53.Gre	en Globes New construction assessment can be used for		
a.	Commercial Buildings		
b.	Institutional Buildings		
C.	Multi-residential Buildings		
d.	All the above		
54.Gre	en Globes is structures as a self-assessment to be done in-house using a		

a. VOC

b. Plastic VOC

a. Project Manager	
b. Design Team	
c. Both (a) & (b)	
d. Planning Engineer	
5. Green Globes is aOrganization	
a. Profit	
b. Non-Profit	
c. Money saving	
d. None of the above	
5.A green building with majority of renewable sources utilization can be called as	·
a. Sustainable Building	
b. Green Construction	
c. High Performance Building	
d. All the above	
7.A green building with 100 % of renewable sources utilization can be called as	
a. Sustainable Building	
b. Zero-Energy Building	
c. High Performance Building	
d. All the above	
B.High Performance Buildings involves with	
a. Sustainable	
b. Cost Effective	
c. Safe & secure	
d. All the above	
9.The key to a high-performance building is	

a.	Optimization
b.	Integration
C.	Both (a) & (b)
d.	None of the above
60.Raj	iv Gandhi International Airport, Hyderabad is rated ascertification
a.	Gold
b.	Platinum
C.	Silver
d.	All the above
61.CII-	Sohrabji Godrej Green Business Centre,, Hyderabad is rated as
a.	LEED silver
b.	LEED Gold
c.	LEED Platinum
d.	None of these
62.Site	e Selection and Planning is concerns mainly on
a.	Soil Erosion
b.	Sedimentation
C.	Both (a) & (b)
d.	None of the above
63.Wa	ter reduction and energy consumption can be monitored by
a.	Water Metering
b.	Energy Metering
C.	CO ₂ Metering
d.	All the above
64.To	minimize the environmental impacts associated with the use of fossil fuel energy

a. Us	e of electrical heaters	
b. Us	e of solar panels	
c. Us	e of coal	
d. Us	e of thermal energy	
65	Type of irrigation is considered as green irrigation	
a. Ro	tary Irrigation	
b. Tri	ckle Irrigation	
c. Dr	ip Irrigation	
d. All	the above	
66.Protect	or restore habitat can be done by	
a. Liı	miting all Site disturbances	
h W:	alkways & Patios	
	·	
	oth (a) & (b)	
d. No	one of the above	
67. Concrete which allows water in to it is called		
a. Co	onventional Concrete	
b. Fre	esh Concrete	
c. Ha	ardened Concrete	
d. Pe	rvious Concrete	
68.Waste	Management can be done bymethods	
a. Mi	xing all waste materials	
b. Se	gregating all waste materials	
c. Bo	oth (a) & (b)	
d. No	one of the above	
69	materials should be used for green building construction	

- a. 50 % of woodb. 50 % of metalsc. 80 % of recycle materials
 - d. 100 % of non-renewable source materials

70.IAQ Stands for

- a. Indoor Air Quality
- b. Inside Air Quality
- c. In between Air Quality
- d. Indoor Ambience Quality

71. How is the air quality in your home be Affected

- a. By introducing Non VOC paints
- b. Cigarette Smoke
- c. Bamboo
- d. PPC

72 .Indoor Air quality can be improved by

- a. Ultra Violet Electronic Air Cleaners
- b. HEFA Filtration
- c. Humidifiers
- d. All the above

73. Health effects due to bad Indoor Air Quality

- a. Sinusitis
- b. Memory Lapse
- c. Headaches
- d. All the above

74.BEE Stand for

- a. Bureau of Engineering Efficient
- b. Bureau of Energy Efficiency
- c. Bureau of Energy Efficient
- d. Bureau of Energy Ecosystem

75.NBA stands for

- a. Nation Building Code
- b. National Building Code
- c. National Body Code
- d. National Building Circular

76.SRI Stands for

- a. Solar Reflective Index
- b. Solar Relex Index
- c. Solar Reflective Induction
- d. Solar Reflection Index

77.**CFC** Stands for

- a. Chloro Fluoride Carbons
- b. Chloro Fluoro Carbide
- c. Chloro Fluoro Carbons
- d. Chloro Fluoro Cardondioxide

78.**HVAC** Stands for

- a. Heater, Ventilation and Air-Conditioning
- b. Heating, Volatile and Air-Conditioning
- c. Humidity, Ventilation and Air-Conditioning
- d. Heating, Ventilation and Air-Conditioning

79.SHGC Stands for

- a. Solar Humid Gain Coefficient
- b. Simple Humid Gain Coefficient
- c. Simple Heat Gain Coefficient
- d. Solar Heat Gain Coefficient

80.LPD Stands for

- a. Lighting Power Duty
- b. Lighting Power Densities
- c. Lighting Powder Densities
- d. Lower Power Densities

81.CPCB Stands for

- a. Central polluting Control Board
- b. Central population Control Board
- c. Control polluting Control Board
- d. Central people Control Board

82.**EER** Stands for

- a. Energy Efficient Radiance
- b. Energy Efficient Ratio
- c. Economic Efficient Ratio
- d. Economic Efficient Radiance

83.VOC Stands for

- a. Volatile Organism Compound
- b. Volatile Organic Compound
- c. Valuable Organic Compound
- d. Volatile Organic Commence

84.FSC Stands for

a. Forest Stewardship Council b. Forest Stewardship Centre c. Forensic Stewardship Centre d. Forensic Stewardship Council 85.**LEED** Stands for a. Leadership in Energy and Environmental Duty b. Leadership in Energy and Environmental Design c. Leadership in Eco and Environmental Design d. Leadership in Eco and Environmental Duty 86. Sustainable Sites comes under which indian ethos a. Prithvi (Earth) b. Jal (Water) c. Agni (Fire) d. Vayu (Air) 87. Water Efficiency comes under which indian ethos a. Prithvi (Earth) b. Jal (Water) c. Agni (Fire) d. Vayu (Air) 88.Energy & Atmosphere comes under which indian ethos a. Prithvi (Earth) b. Jal (Water) c. Agni (Fire) d. Vayu (Air) 89.Indoor Environmental Quality comes under which indian ethos

a.	Prithvi (Earth)	
b.	Jal (Water)	
c.	Agni (Fire)	
d.	Vayu (Air)	
90.Day	light, Night Sky Pollution comes under which indian ethos	
a.	Prithvi (Earth)	
b.	Jal (Water)	
c.	Agni (Fire)	
d.	Akash (Sky)	
91.Flya	ash Blocks are	
a.	Eco-friendly Material	
b.	Green Building Materials	
c.	Both (a) & (b)	
d.	None of the above	
92.Green Building Consists of		
a.	Waterless Urinals	
b.	High CoP Chillers	
c.	CO ₂ Sensors	
d.	All the above	
93.Indian Green Building Council Consists of		
a.	Engineers	
b.	Architects	

94.Impacts of Building Construction

c. Financial Planners

d. Nonprofit Leaders

b.	Non CO ₂ Emissions
c.	Industrial Waste Generation
d.	None of the above
95.Red	duced urban heat island effect is a green building
a.	Long Term Advantage
b.	Immediate Advantage
c.	Dis-Advantage
d.	None
96.LEE	ED Categories are
a.	Site Planning
b.	Water Efficiency
c.	Energy Efficiency
d.	All the above
97.No	rmal LEED Certification is points are
a.	40 %
b.	50%
c.	60%
d.	80%
98.Silv	ver LEED Certification is points are
a.	40 %
b.	50%
C.	60%
d.	80%
99 .Go	old LEED Certification is points are

a. Electricity Consumption

100.Plat	tinum LEED Certification is points are
a. <i>4</i>	40 %
b. !	50%
c. (60%
d. 8	80%
101. IEQ	Refers to
a. (Quality
b. (Quantity
c. (Qualification
d. (Questioning
102.Ind	oor Air Quality involves with
a. (Odors
b. 1	Fresh Air
c. 9	Supply of Air
d. <i>i</i>	All the above
103.Go	als of IEQ
a. I	Minimize the Risk of health of problem
b. I	High quality indoor
c. I	Both (a) & (b)
d. I	None of the above

a. 40 %

b. 50%

c. 60%

d. 80%

104.SBS Stands for

a.	Sick Building Sundrome	
b.	Sick Built Sundrome	
c.	Sick Building Syndrome	
d.	Sick Building Sunshine	
105. SE	3S Symptoms are	
a.	Dry eyes	
b.	Dry throat	
c.	Dry Skin	
d.	All the above	
106. P \$	SV Stands for	
a.	Passive Stack Ventilator	
b.	Passive Strong Ventilation	
c.	Passive Stack Ventilation	
d.	Password Stack Ventilation	
107. M	EV Stands for	
a.	Mechanical Extract Ventilator	
b.	Mechanical Extract Ventilation	
c.	Machined Extract Ventilation	
d.	Mechanical Extreme Ventilation	
108.PIV Stands for		
a.	Positive indoor Ventilation	
b.	Positive input Ventilator	

c. Positive input Ventilation

d.	Passive input Ventilation
109. M	VHR Stands for
a.	Mechanical Ventilation Heat Record
b.	Mechanical Ventilator Heat Recovery
c.	Mechanical Ventilation Hot Recovery
d.	Mechanical Ventilation Heat Recovery
110.HF	RV Stands for
a.	Heat Recovery Ventilator
b.	Heat Record Ventilation
c.	Heat Recovery Ventilation
d.	Hot Recovery Ventilation
111.A	green building with majority of renewable sources utilization can be called as
a.	Sustainable Building
b.	Green Construction
c.	High Performance Building
d.	All the above
112.Re	enewable Source of Energy is
a.	Mars
b.	Jupiter
c.	Moon
d.	Sun
113.No	on- Renewable Sources of Energy
a.	Sun
b.	Fossil Fuels
c.	Water

d.	Tides
114.G	reen Building also known as
a.	Green Construction
b.	Sustainable Building
C.	Both (a) & (B)
d.	Conventional Building
115.G	reen House Effect is mainly due to increase of
a.	со
b.	CO ₂
C.	CFC
d.	All the above
116	produced as waste decomposes may cause pollution
a.	cosmosis
b.	Leeder
C.	Leachate
d.	Voltaic
117.S	RI Stands for
a.	Solar Reflective Index
b.	Solar Relex Index
C.	Solar Reflective Induction
d.	Solar Reflection Index
118.Th	ne major gas that emits by the industry is
a.	со
b.	CO ₂

c. CFC

d.	All the above
119.G	reen Building also known as
a.	Green Construction
b.	Sustainable Building
c.	Both (a) & (B)
d.	Conventional Building
120. W	VGBC Stands for
a.	World Gas Building Council
b.	Wool Green Building Council
c.	World Garden Building Council
d.	World Green Building Council
121.ln	nprove Quality of life comes under which benefit of green buildings
a.	Environmental
b.	Economic
c.	Social
d.	None of these
122.G	reen Building Emphasies on
a.	Reduced Energy Use
b.	Reduced Waste
C.	Both (a) & (b)
d.	None of the above
123 .G	reen Building can be accomplished when certain requirements are fulfilled
a.	Reuse
b.	Reduce
C.	Recycle

d. All the above

124.USGBC Stands for

- a. United States of Green Building Council
- b. United States of Gas Building Council
- c. United States of Go Building Council
- d. United States of Green Building Counter
- 125. Concrete which allows water in to it is called......
 - a. Conventional Concrete
 - b. Fresh Concrete
 - c. Hardened Concrete
 - d. Pervious Concrete

Signature of the faculty

HoD,ME

Malla Reddy Engineering College

DEPARTMENT OF MECHANICAL ENGINEERING Question Bank with BT Level and CO

IV B.TECH II SEM (MR15)

I Mid Examination Subjective Question Bank

Branch: ME

Subject: PLANT LAYOUT & MATERIAL HANDLING

Instructions:

1. All the questions carry equal marks

2. Answer all the questions

Name of the faculty: Mr.C.Chandra Sekhara

Q.No.	Question	Bloom's Taxonomy Level	СО
1.	Explain briefly about different types of layouts.	Understanding	1
	OR	<u> </u>	
2.	Explain about the advantages and disadvantages of process layout.	Understanding	1
3.	List various factors that influencing the plant layout?.	Analyzing	1
	OR		1
4.	List the objectives of a good layout.	Analyzing	
5.	Explain about the advantages and disadvantages of product layout.	Understanding	1
	OR		
6.	Explain about specification, installation and follow up of a layout?	Understanding	1
		1	1
7.	What are the steps to be followed in designing a layout?	Understanding	1

	OR		
8.	Explain about principles of plant layout,	Understanding	1
Mod	ule II		
1.	Discuss the steps to be followed in CRAFT algorithm?	Creating	2
	OR		
2.	Discuss the steps to be followed in ALDEP algorithm?	Creating	2
3.	Illustrate the advantages and disadvantages of CRAFT	Understanding	2
	OR	l	
4.	Illustrate the advantages and disadvantages of ALDEP.	Understanding	2
5.	Explain the steps to be followed in CORELAP algorithm	Understanding	2
	OR		ı
6.	Explain the methods employed for development of Group technology layout.	Understanding	2
		Γ	1 _
7.	Compare the fixed position layout and group layout	Understanding	2
	OR		
8.	Explain about the fixed position layout. What are the advantages and disadvantages of fixed position layout	Understanding	2
Mod	ule III		ı
1.	Define material handling. What are the functions of material handling	Understanding	3
	OR		
2.	List out the objectives of the material handling	Understanding	3
3.	Briefly classify the various types of material handling equipment in detail	Understanding	3
	OR		

4.	What are the merits of material handling systems	Understanding	3

Signature of the faculty

HoD,ME

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

Department of Mechanical Engineering

OBJECTIVE TYPE

1 []	refers to the stock of the products that affirm if offering for sale to produce final products
a		Plant layout
b		Inventory
С		Production control
d		Process planning
2]		Progress reporting and corrective action belong to phase of PPC [
a		Action phase
b		Prior phase
С		Planning phase
d		Control phase
3		has lack of flexibility in production operations []
a		Process layout
b		Product layout
С		Static layout
d		Combination layout
4 funct	tio	is a type of production process in which the job passes in lots batches through various nal departments []
a		Batch production
b		Intermittent production
С		Flow production
d		Job shop production
5	-	production system manufactures one or few member of single designed product strictly according to customer's specifications[]
a		Batch
b		Mass

С	Flow		
d	job		
6	is also known as Buffer stock	[]
а	Control s stock		
b	Conversion s stock		
С	Safety stock		
d	All the above		
7	A strategy which aims to produce a perfect product which will suit every		
	body is called:	[]
а	Marketing orientation		
b	Production orientation		
С	Product orientation		
d	Perfection orientation		
8	A strategy which aims to produce the maximum amount of goods at the lower called:	est possi]	ible price is
а	Production orientation.		
b	Selling orientation		
С	Societal marketing		
d	Cost orientation.		
9	is associated with high cycle time	[]
а	Fixed position layout		
b	Product layout		
С	Process layout		
d	Group Technology layout		
10	The layout used in ship building industry is	[]
а	Fixed position layout		
b	Product layout		
С	Process layout		
d	Group Technology layout		
11	The marketing concept should be central to business strategy because[]	

а	Business strategy is aimed at customers.
b	Companies have a moral responsibility to care for their customers.
С	Marketing enables firms to persuade their customers to buy things they do not really need.
d	Customers will only spend money with firms that look after their needs.
12	The important ratings in SLP is expressed with [
a	Nearness codes
b	Reason codes
С	Relaxation codes
d	Matrix codes
13	Volume of production in process layout[]
a	Large
b	Relatively low
С	Moderate
d	Very large
14	Costs associated with the storage requirements of inventories are usually referred to as
[
a	Storage cost
b	Production cost
	Running cost
d	All the above
15	Paper mill is an example of[]
a	Fixed position layout
b	Product layout
С	Process layout
d	Group Technology layout
16	Duties of HR manager and staff functions consist of[]
a	Assistant line manager
b	Implementing policies
С	Directing tasks of people
d	All of the above

17	Human Resource Management is process of[]
a	Acquiring employees
b	Training employees
С	Appraising and compensating employees
d	All of the above
18	Use of data, facts, analytics and evaluated research for making decision is []
a	Evidence based HRM
b	High performance work system
С	Both A and B
d	None of the above
19	Process layout initiates supply of raw materials to a machine based on[]
a	Priority
b	Convenience
С	Nature
d	Need
20	Planning function of management process involves[]
a	Developing employees
b	Evaluating performance
С	Establishing departments
d	Establishing goals
21	The following is (are) the key components of a business process Re-engineering program me?[
a	Product development
b	Service delivery
С	Customer satisfaction
d	All of the above
22	The actual achievements compared with the objectives of the job is[
a	Job performance
b	Job evaluation

С	Job description
d	None of the above
23	The following is (are) concerned with developing a pool of candidates in line with the human resources plan[]
a	Development
b	Training
С	Recruitment
d	All of the above
24	Majority of the disputes in industries is (are) related to the problem of[
a	Wages
b	Salaries
С	Benefits
d	All of the above
25	In an organization initiating career planning, the career path model would essentially form the basis for[]
а	Placement
b	Transfer
С	Rotation
d	All of the above
26	Duties of HR manager and staff functions consist of[
а	Assistant line manager
b	Implementing policies
С	Directing tasks of people
d	All of the above
27	Examples of flow production system are[]
a	Chemical
b	Petrol
С	Automobile
Ч	All the above

28	Low skilled labors are required in []	
a	Continuous production	
b	Job production	
С	Mass production	
d	None of these	
29	is used to represent the physical arrangement of a plant[
a	Plant layout	
b	Production Layout	
С	Group Plant layout	
d	None of these	
30	Arrangement of machines according to nature of operation sis called []
a	Plant layout	
b	Production Layout	
С	Process layout	
d	None of these	
31	Break down of equipment can be easily handling in[
a	Plant layout	
b	Production Layout	
С	Process layout	
d	None of these	
32	One way to decouple the production system and the sales system is[]
a	To introduce a feedback loop	
b	To treat the systems as black boxes	
С	To decrease sales	
d	To introduce an inventory	
33	Which of the following best describes 'formal information'[]	
a	Produced by standard procedures. Passed by word of mouth	
b	Produced by standard procedures. Objective	
C	Objective Passed by word of mouth	

d	Subjective. Based on estimates
34	Long-term capacity planning deals with which of the following factors?[]
a	Overtime budgets
b	Workforce size
С	Inventories
d	Investment in new facilities
35	The first steps of capacity planning and control do not include[
а	Identifying the alternative capacity plans
b	Measuring aggregate demand and capacity
С	Studying the effect of queuing theory
d	Choosing the most appropriate capacity plan
36	When demand exceeds capacity, a firm should[]
а	Lower prices.
b	Add workers
С	Temporarily lay-off workers
d	Advertise.
37	Long-term capacity planning deals with which of the following factor[
а	Overtime budgets
b	Workforce size
С	Inventories
d	Investment in new facilities
38	The program me once installed must be continued on a permanent
	basis.[]
а	Job evaluation
b	Training & Development
С	Recruitment
d	All of the above
39	The following person has suggested the new concept which takes into account various key factors that will tell the overall performance of a job.[
а	Elliot Jecques

b	Fred Luthas
С	Juran
d	None of the above
40	is concerned with the branch of economics relating the behavior of principals and
	their agents. []
a	Financial management
b	Profit maximization
С	Agency theory
d	Social responsibility
41	establishes the overall production, workforce, and inventory levels[
а	Production activity control
b	Distribution requirements planning
С	Master production schedule
d	Sale and operations planning
42	Managers can use work standards in which of the following ways []
а	Scheduling
b	Motivating workers
С	Capacity planning
d	All of the above
43	Mark the wrong statement:[]
а	A project is a set of activities that can be performed in a certain logical sequence.
b	A network is a graphic portrayal of independency relationship among the activities of a project.
С	An arrow representing an activity can have any length and shape.
d more	An activity cannot be represented by more than one arrow but an arrow can represent one or activities.
44	Use of data, facts, analytics and evaluated research for making decision is []
a	Evidence based HRM
b	High performance work system
С	Both A and B

d	None of the above		
45	HR manager must be familiar with	[]
a	Strategic planning		
b	Production department		
С	Marketing and finance		
d	All of the above		
46	Planning function of management process involves	[]
a	Developing employees		
b	Evaluating performance		
С	Establishing departments		
d	Establishing goals		
47	The following is (are) the key components of a business process Re-engineering]	progra	am me?[
a	Product development		
b	Service delivery		
С	Customer satisfaction		
d	All of the above		
48	CMM ranks software development organization in a hierarchy of	[]
a	Four levels		
b	Three levels		
С	Six levels		
d	Five levels		
49	The work measurement method that eliminates the need for time studies is:	[]
a	The predetermined data approach		
b	The work sampling method		
С	The elemental standard data approach		
d	The time study method		
50	The work measurement method that is not usually used for setting standards for well-defined jobs is: [r repe	titive,
a	The elemental standard data approach		

b	The predetermined data approach		
С	The time study method		
d	The work sampling method		
51	Which layout helps in producing products having different parts	[]
a	Process		
b	Group		
С	Cellular		
d	All		
52	In which layout the production of a product is independent of its capacity	[]
a	Process		
b	Group		
С	Cellular		
d	Fixed		
53	What type of technology is used to increase the rate of production[
a	Group		
b	Point		
С	Line		
d	Fixed		
54	Fixed position layout is used for the producing which products	[]
a	Same		
b	Different		
С	Both		
d	None		
55	Check for the total cost of new layout is less than the cost of present layout	[]
a	TRUE		
b	FALSE		
С	NONE		
d	TRUE ONLY FOR FEW CASES		
56	Group layout is best for[]		

а	Aircraft industry		
b	Automobile industry		
С	Ship building		
d	Casting industry		
57	Determine the total handling cost of present layout by using flow parameters	[]
a	Cost		
b	Distance		
С	Cost and distance		
d	All		
58	The first improvement algorithm which is most widely used in plant		
	layout design	[]
a	Process		
b	Fixed		
С	Point		
d	Craft		
59	Plant layout is mainly influenced by the availability of	[]
a	Economical		
b	Materials		
С	Tools		
d	All		
60	The engineering department is responsible for layout	[]
а	Designing and installing		
b	Cost		
С	Process		
d	Fixed		
61	Space available in vertical & horizontal directions is most effectively utilized" is	[]
a	Cubic space utilization		

b	Flexibility
С	Flow
d	Minimum distance
62	If all the processing equipment and machines are arranged according to the sequence of operations of a product the layout is known as
a	Product layout
b	Process layout
С	Fixed position layout
d	Combination layout
63	The following is preferred to manufacture a standard product in large quantity [
а	Product layout
b	Process layout
С	Fixed position layout
d	Combination layout
64	The following is preferred for low volume production of non-standard products[
а	Product layout
b	Process layout
С	Fixed position layout
d	Combination layout
65	In ship manufacturing, the type of layout preferred is[]
a	Product layout
b	Process layout
С	Fixed position layout
d	Combination layout
66	The chart is a graphic representation of all the production activities occurring on the shop floor[]
а	Operation process chart
b	Flow process chart
С	Templates

d	All of the above		
67	Which of the following processes most likely uses batch production?	[]
a	Sugar refinery		
b	Plastic part manufacturer		
С	Consumer electronics		
d	Oil refinery		
68	Which of the following most likely uses mass assembly lines production?	[]
a	Commercial printer		
b	Plastic part manufacturer		
С	Car production		
d	Sugar refinery		
69	All of the following will increase the capacity of process except:	[]
a	The purchase of additional equipment		
b	Scheduled machine maintenance		
С	Larger production lot sizes		
d	Increasing the backlog before each machine		
70	which of the following layouts is suited for mass production?	[]
a	Process layout		
b	Product layout		
С	Fixed position layout		
d	Functional layout		
71	In which of the following layouts, the lines need to be balanced?	[]
a	Process layout		
b	Product layout		
С	Fixed position layout		
d	Functional layout		
72	Process layout is employed for	[]
a	Batch production		
b	Continuous type of production		

С	Effective utilization of machines		
d	All of the above		
73	For a product layout, the material handling equipment must[]		
a	Have full flexibility		
b	Be general purpose type		
С	Be designed as special purpose for a particular application		
d	Employ conveyor belts, trucks		
74	The process layout is best suited where	[]
а	Specialization exists		
b	Machines are in sequence of operation		
С	Non-standardized units are to be produced		
d	Mass production is envisaged		
75	The most important objective behind plant layout is[
a	Overall simplification & ease in integration		
b	Economy in machines		
С	Maximum travel time in plant		
d	Minimum work-in-progress		
76	A low unit cost can be achieved by following	[]
a	Process layout		
b	Product layout		
С	Fixed position layout		
d	Functional layout		
77	In the corelap layout, which type of computer are use	[]
a	Main frame		
b	Sub frame		
С	Wide frame		
d	Intuitive frame		
78	Corelap belongs to method	[]
a	Influential based		

b	Adjacency based		
С	Fixed based		
d	Floating based		
79	The corelap layout is depending upon which factor	[]
a	Randomness		
b	Closeness		
С	Total closeness		
d	Linear		
80	The aldep layout is depending upon which factor	[]
а	Randomness		
b	Closeness		
С	Total closeness		
d	Linear		
81	The aldep layout having the capacity of	[]
a	Single floor		
b	Multi floor		
С	Indefinite number		
d	None		
82	In the aldep layout, the pattern will be	[]
а	Horizontal		
b	Vertical sweep		
С	Inclined		
d	Not applicable		
83	The aldep layout can be repeated upto[]		
а	10 layout/run		
b	20 layout/run		
С	30 layout/run		

d	None		
84	In quadratic assignment model, the objective is	[]
a	Matrices definition		
b	Matrix differentiation		
С	Integration		
d	None of the above		
85	The basic of craft algorithm is	[]
a	Minimize total cost		
b	Maximize total cost		
С	Break even		
d	Both a & b		
86	Craft algorithm takes inputs with the representation of	[]
a	Chart diagram		
b	Block layout		
С	Pie diagram		
d	Scatter plot		
87	Craft begins by determining	[]
a	Semi-circle		
b	Centroid		
С	Ellipse		
d	Hyperbola		
88	The final layout obtained in craft is known as	[]
a	Two optional layout		
b	Three optional layout		
С	Both		
d	None		
89	Craft is efficient in terms of	[]
a	Cpu engagement		
b	Arithmetical model		

С	Mathematical model		
d	None		
90	The quadratic assignment model is a generalization of	[]
a	Tsp problem		
b	Scheduling problem		
С	Routing		
d	All of the above		
91	Quadratic assignment problem is limited to	[]
a	Small problems		
b	Huge problems		
С	Optimized problems		
d	All of the above		
92	Quadratic Assignment Problem is stage[]		
a	Fundamental		
b	Last stage		
С	Middle of the problem		
d	None of the above		
93	Quadratic Assignment Problem restricts number of solutions	[]
a	Unfeasible		
b	Feasible		
С	Determinant		
d	All of the above		
94	Branch and bound method is applicable for	[]
a	Hard problems		
b	False noise analysis		
С	Non-linear programming		
d	All of the above		
95	Branch and bound algorithm depends upon efficient estimation of	[]
а	Lower bounds		

b	Upper bounds			
С	Lower and upper			
d	None			
96	Branch and bound algorithm is similar to	[]	
а	Back tracking method			
b	Craft algorithm			
С	Aldep			
d	Craft			
97	The difficultly of designing branch and bound algorithm is finding	[]	
a	Bounding function			
b	Routing function			
С	Both			
d	None			
98	Branch and bound method is applicable for	[]	
а	Only integer programing problems			
b	Only linear programing problems			
С	Different number of problems			
d	None			
99	Branch and bounding used for solving the problems	[]	
а	Quickly			
b	Accurately			
С	Both			
d	None			
100	Group layout defines	[]	
a	Sequential groups			
b	Parallel groups			
С	Both			
d	None			
101	Which of the following industries is likely to have low equipment utilization?		[]

a	Auto manufacturing
b	Beer making
С	Television manufacturing
d	Hospitals
102	conveyors can be used in the same applications of roller conveyors[
а	Belt
b	Chain
С	Skate wheel
d	None
103	Which of the following belt conveyors have low volume carrying capacity?
а	Flat
b	Troughed
С	Both
d	None of the above
104	Which of the following is not a hoisting equipment with lifting gear? []
а	Cage
b	Jib
С	Pulleys
d	Troughed belts
105	Which discharge method provides only intermediate discharge for low speed flat belt conveyor? []
а	Plow discharge
b	Tripper discharge
С	Both and B.
d	None of the above
106	Which one of the following technologies is used only for material handling, not for actual production or assembly?
а	Robots
b	CNC
С	CAD

d	AGVs		
107	Which type of conveyor equipment consists of wheeled carriage fixed with		
	the trolleys	[]
а	Belt conveyor		
b	Rope		
С	Free overhead		
d	None		
108	Operator-carrying overhead cranes must be provided with	[]
а	Automatic switch to halt up-travel.		
b	Audible warning signal w/in reach of operator.		
С	Means to lock out disconnect switch		
d	All of the above .		
109	Dropping materials from overhead can be done only when	[]
a	Drop area is clear		
b	Area guarded or suitable warning is given		
С	Both A and B		
d	None of the above.		
110	A drawing of the movement of material, or people is a	[]
а	Flow diagram		
b	process chart		
С	service blueprint		
d	process map		
111	A helps to avoid crowding of jobs at a particular machine by change of route of some	of the	jobs
	or by diverting work to other machine.	[]
а	Control chart		
b	Beer making		
С	Television manufacturing		
d	Hospitals		
112	Roller conveyors contain a series of	ſ	1

а	Tubes		
b	Rollers		
С	Rollers and tubes		
d	None of these		
113	A compact estimate of the handling which must be done between various work station obtained from	s is []
а	TRVELING CHART		
b	CNC		
С	CAD		
d	AGVs		
114	The position of rollers is to the direction of motion of conveyor	[]
a	Parallel		
b	Perpendicular		
С	Inclined		
d	None		
115	What are bulk loads?	[]
а	Lump of material		
b	Single rigid mass		
С	Homogeneous particles		
d	Heterogeneous particles		
116	Equipment used for dumping of material is known as	[]
a	Scraper		
b	Dumper		
С	Crane		
d	Conveyer		
117	Which of the following statements is false for troughed belt conveyors? 1. Troughed belt conveyors use flexible belts 2. They contain five idlers 3. Depth of trough decreases with increasing number of idlers 4. Flexibility of belt increases as depth of trough decreases	[1
а	1 and 2	•	,

b	2 and 3		
С	3 and 4		
d	None of the above		
118	Material handling and plant location is analyzed by	[]
а	Gnat chart		
b	Bin chart		
С	Emerson chart		
d	Travel chart		
119	In witch of the following layouts the lines need to the balanced	[]
а	Process layout		
b	product layout		
С	fixed position layout		
d	plant layout		
120	Which belt conveyor prevents sliding down of material at an inclination of 550 with h []	orizor	ntalî
а	Flat belt conveyor		
b	Troughed belt conveyor		
С	Blanket belt conveyor		
d	Woven wire belt conveyors		
121	Mass capacity of a conveyor is 200 ton/hr, if speed of the belt is 4 m/s then what is the horizontal flat belt conveyor carrying the load? (Surcharge factor = 0.075 & ρ = 1000 kg []		n of
a	499.23 mm		
b	500.0 mm		
С	533.7 mm		
d	Insufficient data		
122	Witch of the following layout is suited to mass production	[]
a	Process layout		
b	Product layout		
С	Fixed position layout		

d	Plant layout		
123	Which of the following layout is suited to job production	[]
а	Process layout		
b	Product layout		
С	Fixed position layout		
d	Plant layout		
124	Queuing theory is used for	[]
а	Inventory problems		
b	Traffic congestion studies		
С	Job shop scheduling		
d	All of the above		
125	Queing theory is associated with	[]
а	Sales		
b	Inspection time		
С	Waiting time		
d	Production time		

Signature of the faculty

HoD,ME