MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

II B.Tech– II Sem (MR 18-20-18 Admitted Students)
I Mid Examination Subjective Question Bank

Subject: Cloud Computing   **Branch/Specialization: IT**
Name of the faculty: R.Ramya

Instructions:

1. All the questions carry equal marks

2. Solve all the questions

Q.No.	Question	Bloom's Taxonomy Level	CO
1.	Illustrate Cloud Computing in a Nutshell	Understanding	1
	OR		
2.	Explain the System Models for Distributed and Cloud Computing	Understanding	1
3.	Explain the Roots of Cloud Computing	Understanding	1
	OR		
4.	Illustrate the Grid and Cloud	Understanding	1
5.	Develop the Desired Features of a Cloud	Applying	1
	OR		
6.	Identify the Layers and Types of Clouds	Applying	1
7.	Identify the Basic Principles of Cloud Computing	Applying	1
	OR		
8.	Identify the Challenges and Risks.	Applying	1
	Module II		
1.	Classify the Levels of Virtualization with a neat diagram	Understanding	2
	OR		
2.	Explain about Virtualization Structures and Tools and Mechanisms	Understanding	2
3.	Build the procedure of Virtualization in Data-Center Automation	Applying	2
	OR		
4.	Identify the virtualization of Memory and I/O Devices and Virtualization of CPU	Applying	2

5.	Select best computing method among Xen Virtual machine monitors- Xen API	Applying	2
OR			
6.	Identify the steps involved in Virtual Clusters and Resource Management	Applying	2
7.	List the VMware - VMware products AND VMware Features	Analyzing	2
OR			
8.	Examine the Features of Microsoft Virtual Server	Analyzing	2
Module III			
1.	Explain the design of Data-Center	Understanding	3
OR			
2.	Demonstrate the Interconnection networks	Understanding	3
3.	Analyze the Architectural Design of Compute in cloud computing	Analyzing	3
OR			
4.	Examine the Storage Clouds	Analyzing	3

Signature of the Faculty   **Signature of the HoD**

Subject: Cloud Computing

Branch**: IT**   Name of the Faculty:**R.RAMYA**

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1   Which of the following is considered an essential element in cloud computing by CSA ?   (   )

A)Multi-tenancy   B)Identity and access management   C)Virtualization   D)All of the mentioned

2   Which of the following services that need to be negotiated in Service Level Agreements ?   (   )

A) Logging   B) Auditing   C)Regulatory compliance   D)All of the mentioned

3   Which of the following area of cloud computing is uniquely troublesome ?   (   )

A) Auditing   B)Data integrity   C)e-Discovery for legal compliance   D)All of the mentioned

4   Which of the following is used for Web performance management and load testing   (   )

A)VMware Hyperic   B)Webmetrics C)Univa UD   D)Tapinsystems

5   Which of the following is operational domain of CSA ?   (   )

A)Scalability   B)Portability and interoperability   C)Flexibility   D)None of the mentioned

6   Which of the following service provider provides the least amount of built in security?   (   )

A) SaaS   B) PaaS   C) IaaS   D)All of the mentioned

7   Which of the following is done by Identity management ?   (   )

A) controlling access to data in the cloud B)maintaining user roles

C) preventing unauthorized uses   D)all of the mentioned

8   Which of the following is application and infrastructure management software for hybrid multi-clouds ? (   )

A) VMware Hyperic B) Webmetrics   C) Univa UD   D) Tapinsystems

9   Which of the following standard is the key to creating Single Sign-On (SSO) systems ?   (   )

A)OpenID 2.0 B)CHAP   C)SMAL   D)None of the mentioned

10   Point out the wrong statement: (   )

A) OpenID 2.0 is the standard associated with creating an identity

B) OpenID doesn't specify the means for authentication of an identity,

C) OpenID provides access to important Web sites

D) None of the mentioned

11   Which of the following is required by Cloud Computing ?   (   )

A) That you establish an identity   B) That the identity be authenticated

C) That the authentication be portable   D) All of the mentioned

12   Which of the following is a complementary mechanism to OpenID and is used to create SSO systems ?   (   )

A)OpenSSL   B)CHAP   C)SMAL   D)None of the mentioned

13   Which of the following provides a token service that can be used to present validated access to resources ?
     (   )

A)OAuth   B)OCheck   C)SAML   D)None of the mentioned

14   Which of the following foundation offers .NET developers Visual Studio integration of WS-Federation and
     WS-Trust open standards ?   (   )

A) Windows Wor kflow B)Windows Identity C)Windows compliance   D)None of the mentioned

15   _____ allows users to authenticate their access to applications both locally and in the cloud with a
     claims-based   identity.   (   )

A)AD FS   B)AC   C)SAS   D)None of the mentioned

16   Which of the following is a compliance standard?   (   )

A)PCI-DSS   B)HIPPA   C)GLBA   D)All of the mentioned

17   How many security accounts per client are provided by Microsoft?   (   )

A)1   B)3   C)5   D)7

18   Which of the following entity queries the OpenID identity provider to authenticate the veracity of the
     OpenID credentials ?   (   )

A) serving party B) relieving party C) relaying party D) none of the mentioned

19   Which of the following is a common means for losing encrypted data?   (   )

A) lose the keys B) lose the encryption standard C) lose the account D) all of the mentioned

20   Which of the following is key mechanism for protecting data?   (   )

A) Access control   B) Auditing   C) Authentication   D) All of the mentioned

21   Which of the following was one of the weaker aspects of early cloud computing service offerings?   (   )

A) Logging   B) Integrity checking   C) Consistency checking   D) None of the mentioned

22   Which of the following is one of the most actively developing and important areas of cloud computing technology?   ( )

A) Logging   B) Auditing   C) Regulatory compliance   D) None of the mentioned

23   Amazon Web Services supports _____ Type II Audits.   ( )

A) SAS70   B) SAS20   C) SAS702   D) None of the mentioned

24   Which of the following is the standard for interoperable cloud-based key management?   ( )

A) KMIP   B) PMIK   C) AIMK   D) None of the mentioned

25   Which of the following systems allow short text messages to be exchanged ?   ( )

A) SMS   B) IMS   C) JVS   D) All of the mentioned

26   _____ builds on the older concept of Internet chat to add a more immediate response to text messages between individuals and groups.   ( )

A) VM   B) IM   C) SM   D) None of the mentioned

27   Point out the wrong statement: ( )

A) Securing data sent to, received from, and stored in the cloud is the single largest security concern

B) The problem with the data you store in the cloud is that it can be located anywhere in the cloud service provider's system

C) One and only approach to isolating storage in the cloud from direct client access is to create layered access to the data

D) All of the mentioned

28   Which of the following feature is provided by instant messaging?   ( )

A) Rich contact management   B) File transfers   C)E-mail integration   D)All of the mentioned

29   Which of the following is also referred to as Windows Live Messenger native client contact?   ( )

A) Friends list   B) Buddy list   C) Contact list   D)None of the mentioned

30   Which of the following Webmail service has IM clients embedded in it?   ( )

A) Yahoo Office Communications Server
B) Microsoft Office Communications Server
C) AOL Server
D) All of the mentioned

31   Which of the following can be a form of Instant messaging application?   ( )

A) Discrete instant messaging desktop clients
B) Enterprise messaging services
C) Browser-based IM clients
D) All of the above mentioned

32   Which of the following is not a social networking site?   ( )

A) IRC-Galleria   B) Italki.com   C) Itsmy   D) None of the mentioned

33   Point out the wrong statement: ( )

A) myYearbook is used for general social network

B) MySpace is used as social networking site for Asian relationships

C) Livemocha is used for language learning purpose

D) None of the mentioned

34   Which of the following programming medium makes social networking widgets more
Prevalent than past?   ( )
A) HTML   B) Java   C) AJAX   D) All of the mentioned

35   Which of the following social networking site is used for locating friends and family?   ( )

A) MyLife   B) My Opera   C) MyBlogLog D) None of the mentioned

36   Which of the following social networking site is used for Business and professional networking?   ( )

A) LiveJournal B) Linkedin   C) Mix   D) All of the mentioned

37   Which of the following is the largest Chinese social networking site?   ( )

A) Qzone   B) ResearchGATE   C) Renren   D) None of the mentioned

38   Which of the following offers an SaaS service that provides online analysis and measurement
of social media tools?
                                                                                                        ( )
A) Network Insights   B) myZuzu   C) NutshellMail   D) Gnip

39   Which of the following offers a desktop application or browser add-in for aggregating Webmail
and social network accounts?
                                                                                                        ( )
A) FriendFeed B) ContextMine   C) Gathera   D) All of the mentioned

40   Point out the wrong statement: ( )

A) Yahoo's Exchange platform added features to compete with Notes

B) SIP stands for Session Initiation Protocol
C) Citrix GoToMeeting is one of the best-known collaboration software product
D) All of the mentioned

41 Which of the following factor has helped spur the popularity of collaborative software for conferencing and workgroup support?

( )

A) emergence of cloud networks
B) high cost of computing
C) lowered cost of travel
D) all of the mentioned

42 Which of the following is first ever true collaboration platform? ( )

A) Lotus Notes B) Citrix GoToMeeting   C) XAMPP   D) None of the mentioned

43   Which of the following software enables real-time or near-real-time communication? ( )

A) Focusware   B) Collaborative   C) Cooperative D) IMPS

44 Which of the following platform is a direct competitor to GoToMeeting? ( )

A) Zimbra   B) DimDim   C) RimRim   D) None of the mentioned

45 Which of the following is a good example of an SMS service organized into a social network and blog?   ( )

A) Twitter   B) Facebook   C) Instagram D) None of the mentioned

46 Which of the following product allows users to share their desktop, do presentations, and even let a user remotely take over another user's computer in real time? ( )
A) Citrix   B) Zimbra   C) Trillian   D) All of the mentioned

47 Which of the following sites let you create your own small personal Website, which you give people access to view?

( )

A) Friendster   B) MySpace   C) Facebook   D) All of the mentioned

48 How many types of protocols are important for instant messaging ? ( )

A) 2   B)3   C)4   D)All of the mentioned

49 Point out the correct statement: ( )

A) Every third-party IM clients aim to allow their users to connect to the different major IM services

B) SIP stands for Secure Initiation Protocol

C) XMPP stands for Extensible Messaging and Presence Protocol

D) All of the mentioned

50   Which of the following is a central element of social networking site?   (   )

A) Personal profile   B) Friends   C) Groups   D) All of the mentioned

51   Which of the following protocol is not a Internet Engineering Task Force standard ?   (   )

A) SIP   B) SIMPLE   C) XMPP   D) IMPS

52   Which of the following protocol is adopted for interoperability by top three IM service providers ?   (   )

A) SIP   B) SIMPLE   C) XMPP   D) IMPS

53   Which of the following IM client allow their users to connect to the different major IM services ?   (   )

A) Pidgin   B) Miranda IM   C) Trillian   D) All of the mentioned

54   Which of the following is also referred to as Short Message Service ?   (   )

A) Mini-blogs B) Micro-blogs   C)Nano-blogs   D)None of the mentioned

55   Point out the wrong statement: (   )

A) All IM clients use peer-to-peer messaging

B) IM software aimed at businesses such as XMPP, Lotus Sametime, and Microsoft Office Communicator use a client/server architecture

C) Instant messaging is as popular in business as it is in personal communications

D) None of the mentioned

56   Which of the following language is used to build message server queue in twitter ?   (   )

A) Ruby   B) Scala   C) Java   D) All of the mentioned

57   Which of the following is a good example of an SMS service organized into a social network and blog ?   (   )

A) Twitter   B) Facebook   C) Instagram   D) None of the mentioned

58   Point out the correct statement: (   )

A) Many Webmail services are free, and the rest are generally modestly priced

B) Webmail may be differentiated from hosted email by its access through a Web browser

C) The current generation of Webmail services implements user interfaces based on Ajax

D) All of the mentioned

59   Which of the following application allows you to collect subscriptions and view them all in one site?   (   )

A) Newsreader   B) Wordreader   C) Aggreader   D)all of the mentioned

60   Which was the first free hosted Webmail service to user?   (   )

A) Hotmail   B) Yahoo mail C) Google mail   D) All of the mentioned

61   Browser based hosted mail is the prototypical _____ as a Service application.   (   )

A) Software   B) Platform   C) Infrastructure   D) All of the mentioned

62   Which of the following Webmail service doesn't have POP3 support ?   (   )

A) AOL Mail   B) ExciteIAC Search & Media C) BlueTieBlueTie   D) All of the mentioned

63   Which of the following is not a Webmail Service?   (   )

A) AOL Mail   B) Windows Live Mail   C) Yahoo Mail   D) None of the mentioned

64   Which of the following Webmail service does not support both POP3 and IMAP ?   (   )

A) Yahoo! Mail B)ThinkPost.net   C) EmailRackspace   D) All of the mentioned

65   Google Mail service became available first in beta in _____ from Google Labs.   (   )

A) 2004   B) 2007   C) 2008   D) None of the mentioned

66   Which of the following Webmail service do not have free subscription and service ?   (   )

A) LycosDuam B) Mail.com   C) AOL Mail   D) All of the mentioned

67   Which of the following transport protocol is used for POP3 and IMAP access in Gmail ?   (   )

A) TTP   B) TLS   C) HTTP   D) All of the mentioned

68   Which of the following prototypical POP3 Webmail mail retrieval service was established in 1997 ?   (   )

A) Gmail   B) Mail2Web   C) Yahoo Mail   D) All of the mentioned

69   Mail2Web also has a mobile email service based on Exchange called _____ Mobile Email.   (   )

A) Mail2.com   B) Mail2Web.com   C) MailWeb.com   D) All of the mentioned

70   Point out the wrong statement: (   )

A) Most of the webmail services use spam and virus detection to eliminate unwanted mail
B)Syndication services are a method for publishing content from Websites
C) RSS content cannot be read in most modern browsers
D) None of the mentioned

71   Which of the following is Microsoft's Webmail offering and with localized versions in 36 languages ?   (   )

A) AOL Mail   B) Windows Live Hotmail   C) Yahoo Mail   D) None of the mentioned

72   Which of the following Hotmail feature has ability to set a spam filter directly with your mouse ?   (   )

A) 1-Click Filters   B) 2-Click Filters   C) Mail Filers   D) All of the mentioned

73   Which of the following browser is not supported for Hotmail Service ?   (   )

A) Firefox   B) Safari   C) Chrome   D) All of the mentioned

74   Yahoo! added a version of the user interface based on Ajax that looks like a form of _____   (   )

A) Gmail   B) Microsoft Outlook   C) AOL Mail   D) None of the mentioned

75   Which of the following adds the ability to synchronize messages, contacts, and calendars
on any mobile phone that has ActiveSync ?   (   )
A) Exchange ActiveSync   B) Exchange PassiveSync   C) EmailRackspace   D) All of the mentioned

76   Point out the correct statement :   (   )

A) With PaaS, the goal is to create hosted scalable applications that are used in a Software as a Service model

B)Applications built using PaaS tools need to be standards-based

C)In Wolf, the data and transaction management conforms to the business rules you create

D)All of the mentioned

77   Which of the following algorithm is used by Google to determine the importance of a particular page ?   (   )

A)SVD B)PageRank   C)FastMap   D)All of the mentioned

78   Point out the wrong statement: (   )

A)Wolf Frameworks uses a C# engine and supports both Microsoft SQL Server and MySQL database
B)Applications built in Wolf are 50-percent browser-based and support mashable and multisource overlaid content

C)Google applications are cloud-based applications

D)None of the mentioned

79   Based on PageRank algorithm, Google returns _____ for a query that is parsed for its keywords. (   )

A)SEP   B)SAP C)SERP   D)Business Objects Build

C)Pages without links   D)All of the mentioned

80   Dynamic content presented in Google _____ crawling isn't normally indexed.   (   )

A)AJAX B)Java C)Javascript   D)All of the mentioned

81   Which of the following protocol lets a Web site list in an XML file information ?   ( )

A)Sitemaps   B)Mashups   C)Hashups   D)All of the mentioned

82   Which of the following google product sends you periodic email alerts based on your search term ? ( )

A)Alerts   B)Blogger   C)Calendar   D)All of the mentioned

83   Which of the following is not provided by "Deep Web" ?   ( )

A)Database generated Web pages   B)Private or limited access Web pages

84   Which of the following creates a custom search utility for a particular Web site ?   ( )

A)Desktop   B)Directory   C)Custom Search   D)None of the mentioned

85   Point out the correct statement :   ( )

A)Yahoo search is the most popular search engine on the Web

B)Google Ad Planner is a free media planning tool that can help you identify websites your audience is likely to visit so you can make better-informed advertising decisions

C)Google AdSense is a free media planning tool that can help you identify websites your audience is likely to visit so you can make better-informed advertising decisions

D)All of the mentioned

86   Which of the following is a payment processing system by Google ?   ( )

A)Paytm   B)Checkout   C)Code   D)All of the mentioned

87   Which of the following is an online atlas and mapping service with mashups ?   ( )

A)iGoogle   B)Earth   C)GOOG-411   D)Knol

88   Which of the following product searches Web by topics ?   ( )

A)Desktop   B)Directory   C)Custom Search   D)None of the mentioned

89   Which of the following indexes content on your local drive for fast searches ?   ( )

A)Desktop   B)Code   C)Hash   D)All of the mentioned

90   Google _____ is collection of applications and utilities under development and testing.   ( )

A)Code   B)Labs   C)Hash   D)All of the mentioned

91 Point out the wrong statement: ( )

A)Google Alerts are email updates of the latest relevant Google results (web, news, etc.) based on your choice of query or topic

B)Google Analytics makes it easy to improve your results online

C)Google Base is Google search technology focused on blogs

D)None of the mentioned

92 Which of the following product allows users to create 3D models and share them with others ? ( )

A)Toolbar   B)Blogger   C)SketchUp   D)All of the mentioned

93 Which of the following is photo-editing and management software ? ( )

A)iGoogle   B)Earth   C)GOOG-411   D)Picasa

94 Point out the wrong statement: ( )

A) Amazon Machine Instances are sized at various levels and rented on a computing/hour basis

B) The metrics obtained by CloudWatch may be used to enable a feature called Auto Scaling

C) A Number of tools are used to support EC2 services

D) one of the mentioned

95 Which of the following is an edge-storage or content-delivery system that caches data in different physical locations ? ( )
A) Amazon Relational Database Service   B) Amazon SimpleDB

C) Amazon Cloudfront   D) Amazon Associates Web Services

96 Point out the correct statement: ( )

A) Amazon Elastic Cloud is a system for creating virtual disks(volume)

B) SimpleDB interoperates with both Amazon EC2 and Amazon S3

C) EC3 is an Analytics as a Service provider

D) None of the mentioned

97 Which of the following gives statistical information on different search terms ? ( )

A)Trends   B) Stats   C) Tool   D) All of the mentioned

98   Which of the following allows you to create instances of the MySQL database to support your Web sites? ( )

A)Amazon Elastic Compute Cloud   B)Amazon Simple Queue Service

C)Amazon Relational Database Service   D)Amazon Simple Storage System

99   Which of the following should be used considering factors shown in the figure ?   (   )

A)SimpleDB   B)RDS   C)Amazon EC2 D)All of the mentioned

100   Which of the following is a structured data store that supports indexing and data queries to
both EC2 and S3 ?   (   )
A)CloudWatch B)Amazon SimpleDB   C)Amazon Cloudfront D)All of the mentioned

101   Which of the following is the machinery for interacting with Amazon's vast product data
and eCommerce catalog function ?   (   )
A)Amazon Elastic Compute Cloud   B)Amazon Associates Web Services

C)Alexa Web Information Service D)All of the mentioned

102   Which of the following service creates an application hosting environment ?   (   )

A)EBS   B)Azure AppFabric   C)ESW D)All of the mentioned

103   Which of the following is a billing and account management service ?   (   )

A)Amazon Elastic MapReduce   B)Amazon Mechanical Turk

C)Amazon DevPay   D)Multi-Factor Authentication

104   Which of the following is built on top of a Hadoop framework using the Elastic Compute Cloud ?   (   )

A)Amazon Elastic MapReduce   B)Amazon Mechanical Turk
C)Amazon DevPay   D)Multi-Factor Authentication
105   Which of the following is a means for accessing human researchers or consultants to help
solve problems on a contractual or temporary basis ?   (   )
A)Amazon Elastic MapReduce   B)Amazon Mechanical Turk
C)Amazon DevPay   D)Multi-Factor Authentication

106   Database marketplace based on SQL Azure Database is code-named _____ .   (   )

A)Akamai   B)Dallas   C)Denali   D)None of the mentioned

107   Which of the following is also known as Compute ?   (   )

A)set of virtual machine instances B)set of replicas C)set of commodity servers D)all of the mentioned

108   Point out the wrong statement: (   )

A) Microsoft's approach is to view cloud applications as software plus service
B) Microsoft calls their cloud operating system the Windows Platform

C) Azure is a combination of virtualized infrastructure to which the .NET Framework has been added as a set of .NET Services

D) None of the mentioned

109 Point out the correct statement: ( )

A) The Windows Azure service itself is a hosted environment of virtual machines enabled by a fabric called Windows Azure ApplicationFab

B) Windows Azure service is a Compliance as a Service offering

C) Windows Live Services is a collection of applications and services that run on the Webs

D) All of the mentioned

110 _____ Live Services can be used in applications that run in the Azure cloud.   ( )

A)Microsoft   B)Windows   C)Yahoo   D)Ruby

111 Which of the following is based on Microsoft Sharepoint ?   ( )

A)Sharepoint Services B).NET Services   C)Windows Services   D)All of the mentioned

112 Which of the following is based on Microsoft Dynamics ?   ( )

A) Static CRM   B)Social CRM C)Dynamics CRM   D)None of the mentioned

113 Which of the following is a pure infrastructure play ?   ( )

A) Azure   B) Google App Engine   C) AWS   D) None of the mentioned

114 Azure is Microsoft's _____ as a Service Web hosting service.   ( )

A) Platform   B) Software   C) Infrastructure D) All of the mentioned

115 Point out the wrong statement: ( )

A) An Amazon Machine Image can be provisioned with an operating system, an enterprise application, or application stack

B) AWS is a deployment enabler

C) Google Apps lets you create a scalable cloud-based application

D) None of the mentioned

116 Which of the following standard does Azure use ?   ( )

A)REST B)XM   C)HTML   D)All of the mentioned

117 Which of the following web applications can be deployed with Azure ?   ( )

A)ASP.NET   B)PHP   C)WCF   D)All of the mentioned

118   Point out the correct statement: (   )

A)The Windows Azure service it The Windows Azure Platform allows a developer to modify his application so it can run in the cloud on virtual machines hosted in Microsoft datacenters
B)Windows Azure serves as a cloud operating system

C)With Azure's architecture, an application can run locally, run in the cloud, or some combination of both

D)All of the mentioned

119   Which of the following element in Azure stands for management service?   (   )

A)config   B)application   C)virtual machines   D)none of the mentioned

120   What does IPsec in Azure platform refers to ?   (   )

A)Internet Protocol Security protocol suite   B)Internet Standard

C)Commodity servers D)All of the mentioned

121   Which of the following element is a non-relational storage system for large-scale storage?   (   )

A)Compute   B)Application C)Storage   D)None of the mentioned

122   A _____ role is a virtual machine instance running Microsoft IIS Web server that can accept and respond to HTTP or HTTPS requests.   (   )

A)Web B)Server   C)Worker   D)Client

123   Azure Storage plays the same role in Azure that _____ plays in Amazon Web Services.   (   )

A)S3   B)EC2   C)EC3   D)All of the mentioned

124   Which of the following element allows you to create and manage virtual machines that serve either in a Web role and a Worker role ?   (   )
A)Compute   B)Application C)Storage   D)None of the mentioned

125   Which of the following has core services shown in the following figure ?   (   )
A) Google Live   B) Windows Live   C) Amazon Live   D) None of the mentioned

Signature of the Faculty   **Signature of the HoD**

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

II B.Tech– IISem (MR 18-2018-19 Admitted Students)
I Mid Examination Subjective Question Bank

Subject: Computer Networks   **Branch /Specialization: IT**
Name of the faculty: G. Sai Krishna

Instructions:

1. All the questions carry equal marks

2. Solve all the questions

Q.No.	Question	Bloom's Taxonomy Level	CO
	Module I		
1.	Define Topology and Explain its types?	Understanding	1
	OR		
2.	List all layers in ISO/OSI Model?	Analyzing	1
3.	Categorize different Layers in TCP/IP Model?	Analyzing	1
	OR		
4.	Compare the WAN, LAN and MAN ?	Analyzing	1
5.	Explain about Digital Transmission?	Understanding	1
	OR		
6.	Define Multiplexing? Explain Types of Multiplexing?	Understanding	1
7.	Construct a neat sketch and Explain Packet switching technique in detail.	Analyzing	1
	OR		
8.	Define transmission Media? Explain types of Transmission Media?	Understanding	1
	Module II		
1.	Illustrate Stop-and –wait Protocol?	Understanding	2
	OR		

2.	Dissect Cyclic Redundancy Check (CRC)?	Analyzing	2
3.	Define Parity? Explain how we perform Parity bit Conversion?	Understanding	2
OR			
4.	Explain about FDMA?	Understanding	2
5.	Compare the functions of FDMA CDMA, TDMA?	Analyzing	2
OR			
6.	Explain about Stop-and-wait automatic Repeat Request Protocol?	Understanding	2
7.	Inspect various types of error detection methods?	Analyzing	2
OR			
8.	Examine IEEE 802.3 frame Structure with neat diagram?	Analyzing	2
Module III			
1.	Explain about Address Resolution Protocol (ARP)?	Understanding	3
OR			
2.	Discuss about Multi cast Routing Protocols?	creating	3
3.	Explain about Logical Addressing?	Understanding	3
OR			
4.	Choose an example, Explain the distance vector routing.	Applying	3

Signature of the Faculty   **Signature of the HoD**

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

II B.TECH II SEM (MR18) MID-I EXAMINATION QUESTION BANK

Subject Name: Computer Networks

Branch: IT

Name of the Faculty: G. Sai Krishna

Objective Questions

1.The_____is the physical path over which a message travels.
A.Protocol   B.Medium   C.Signal   D.All the above

2.Frequency of failure and network recovery time after a failure are measures of the_of a network.
 A.Performance   B.Reliability   C.Security   D.Feasibility

3.An unauthorized user is a network____issue.
 A.Performance   B.Reliability   C.Security   D.All the above

4.Which topology requires a central controller or hub?
 A.Mesh   B.Star   C.Bus   D.Ring

5.A television broadcast is an example of____transmission
A.simplex   B.half-duplex   C.full-duplex   D.automatic

 6.In the original ARPANET,____were directly connected together.
 A.IMPs   B.host computers   C.networks   D.routers

7._____are special-interest groups that quickly test, evaluate, and standardize new technologies.
A.Forums   B.Regulatory agencies   C.Standards organizations   D.All of the above

8._____is the protocol suite for the current Internet.
A.TCP/IP   B.NCP   C.UNIX   D.ACM

9._____refers to the structure or format of the data, meaning the order in which they are presented.
A.Semantics   B.Syntax   C.Timing   D.All of the above

 10.____refers to two characteristics: when data should be sent and how fast it can be sent.
A.Semantics   B.Syntax   C.Timing   D.none of the above

11._____refers to the physical or logical arrangement of a network
A.Data flow   B.Mode of operation   C.Topology   D.None of the above

12.A____is a data communication system spanning states, countries, or the whole world.
A.MAN   B.LAN   C.WAN   D.none of the above

13._____is a collection of many separate networks.
A.A WAN   B.An internet   C.a LAN   D.None of the above

14.A_____is a set of rules that governs data communication.
 A.forum   B.protocol   C.standard   D.none of the above

15.The process-to-process delivery of the entire message is the responsibility of the
 ___layer.

A.Network   B.Transport   C.Application   D.Physical

16.The_____layer is the layer closest to the transmission medium.
A.Physical   B.Data link   C.Network   D.Transport

17.Mail services are available to network users through the _____layer.
A.Data link   B.Physical   C.Transport   D.Application

18.The_____layer changes bits into electromagnetic signals.
A.Physical   B.Data link   C.Transport   D.None of the above

19.Which of the following is an application layer service?
A.Remote log-in   B.File transfer and access   C.Mail service D.All the above

20.Why was the OSI model developed?
A.Manufacturers disliked the TCP/IP protocol suite.   B.The rate of data transfer was increasing exponentially
C.Standards were needed to allow any two systems to communicate
D.None of the above

21.The physical layer is concerned with the movement of_over the physical medium.
A.programs   B.dialogs   C.protocols   D.bits

22.In the OSI model, when data is transmitted from device A to device B, the header from A's layer is read by B's_____layer.
A.physical   B.transport   C.session   D.presentation

23.In the OSI model, what is the main function of the transport layer?
A.node-to-node delivery   B.process-to-process message delivery
C.synchronization   D.updating and maintenance of routing tables

24.In the OSI model, encryption and decryption are functions of the_layer.
A.transport   B.session   C.presentation   D.application

25.When a host on network A sends a message to a host on network B, which address does the   router look at?
A.port   B.logical   C.physical   D.none of the above

26.IPv6 has_____-bit addresses.
A.32   B.64   C.128   D.variable

27.The____layer is responsible for moving frames from one hop (node) to the next.
A.physical   B.data link   C.transport   D.none of the above

28.The Internetworking Protocol (IP) is a___protocol.
A.reliable   B.connection-oriented   C.both a and b   D.none of the above

29._____is a process-to-process protocol that adds only port addresses, checksum error control, and length information to the data from the upper layer.
A.TCP   B.UDP   C.IP   D.none of the above

30.Ethernet uses a___physical address that is imprinted on the network interface card (NIC).
A.32-bit   B.64-bit   C.6-byte   D.none of the above

31.physical, data link, and network layers are the_support layers.
A.user   B.network   C.both (a) and (b)   D.neither (a) nor (b)

32.The session, presentation, and application layers are the _____support layers.
A.user   B.network   C.both (a) and (b)   D.neither (a) nor (b)

33.The____layer links the network support layers and the user support layers.
A.transport   B.network   C.data link   D.session

34.The____layer is responsible for delivering data units from one station to the next without errors.
A.transport   B.network   C.data link   D.physical

35.The____layer establishes, maintains, and synchronizes the interactions between communicating devices.
A.transport   B.network   C.session   D.physical

36.The____layer ensures interoperability between communicating devices through transformation of data into a mutually agreed upon format.
A.transport   B.network   C.data link   D.presentation

37.Which encoding method uses alternating positive and negative values for 1s?
A.NRZ-I   B.RZ   C.Manchester   D.AMI

38._____conversion involves three techniques: line coding, block coding, and scrambling.
A.Analog-to-digital   B.Digital-to-analog   C.Analog-to-analog   D.Digital-to-digital

39.____is the process of converting digital data to a digital signal.
A.Block coding   B.Line coding C.Scrambling D.None of the above

40.In Manchester and differential Manchester encoding, the transition at the middle of the bit is used for_____.
A.bit transfer   B.baud transfer   C.synchronization   D.none of the above

41.The minimum bandwidth of Manchester and differential Manchester is____that of NRZ.
A.the same as   B.twice   C.thrice   D.none of the above

42.In____encoding, we use three levels: positive, zero, and negative.
A.unipolar   B.bipolar   C.polar   D.none of the above

43.The sharing of a medium and its link by two or more devices is called_.
A.modulation   B.encoding   C.line discipline   D.multiplexing

44.Which multiplexing technique transmits analog signals?
A.FDM   B.TDM   C.WDM   D.(a) and (c)

45.__is a digital multiplexing technique for combining several low-rate channels into one high- rate one.
A.FDM   B.TDM   C.WDM   D.None of the above

46.In____, we combine signals from different sources to fit into a larger bandwidth.
A.spread spectrum B.line coding C.block coding   D.none of the above

47.____is designed to be used in wireless applications in which stations must be able to share the medium without interception by an eavesdropper and without being subject to jamming from   a malicious intruder.
A.Spread spectrum B.Multiplexing   A.Modulation B.None of the above.

48.Circuit switching takes place at the____layer.
 A.data line   B.physical   C.network   D.transport

49.In a_____network, two types of addressing are involved: global and local.
A.virtual-circuit   B.datagram   C.circuit-switched   D.none of the above

50.The____address in the header of a packet in a datagram network normally remains the
same   during the entire journey of the packet.
A.source   B.destination   C.local   D.none of the above

51.The datalink layer takes the packets from...................and encapsulates them into frames
for transmission
A.Network layer   B.Physical layer   C.Transport layer   D.Application layer

52.Which one of the following task is not done by data link layer
A.Framing   B.Error control   C.Flow control   D.Channel coding

53.Header of a frame generally contains
A.Synchronization bytes   B.addresses   C.Frame identifiers   D.All the above
mentioned

54.When two or more bits in a data unit has been changed during the transmission the error
is called
A.random error   B.Burst error   C.Inverted error   D.None of the above

55.CRC stands for
A.Cycle redundancy check   B.Code repeat check
C.Code redundancy check   D.Cyclic repeat check

56.Which one of the following is a data link protocol
A.Ethernet   B.Point to point protocol   C.HDLC   D.All the above

57.Which one of the following is the multiple access protocol for channel access control
A.CSHA/CD   B.CSMA/CA   C.Both a & b   D.None of the above

58.Which among the following represents the objectives or requirements of data link layer
A.Frames synchronization   B.Error and flow control
C.Both a & b   D.None of the above

59.When does the station B send a positive acknowledgement to station A in stop and wait
protocol
A.Only when no error occurs at the transmission level
B.When retransmission of old packet in a novel frame is necessary
C.Only when station B receives frame with errors
D.all the above

60.Which consequences are more likely to occur during the frame transmission in stop
and wait ARQ mechanism
A.Loss of frame or an acknowledgement   B.Delay in acknowledgement
C.Normal operation   D.All the above

61.Which feature go back n ARQ mechanism possesses an ability to assign the sliding
window in   the forward direction
A.Control variables   B.Sender sliding window
C.Receiver sliding window D.Resending of frames

62. Which ARQ mechanism deals with the transmission of only damaged or lost frames
A. Go back n B. Selective repeat ARQ   C. Stop and wait ARQ D. All the above

63. What are the frames issued by the secondary station of HDLC known as
A. Link   B. Command   C. Response   D. None of the above

64. Which category of HDLC frames undergoes error and flow control mechanisms by comprising send and receive sequence no's
A. U-frames   B. I-frames   C. S-frames   D. All the above

65. Which type of S-frame in HDLC exhibit the correspondence of last three bits n(r) by defining the   Negative acknowledgement number with the code value of '01'
A. Receive ready   B. Receive not ready   C. Reject   D. Selective reject

66. In..............we are looking only to see if any error has occurred the answer is a simple yes or .... no
A. Error searching   B. Error detection   C. Error correction   D. Error transmission

67. in .... we need to know the exact no of bits that are corrupted and more importantly their location in the message
A. Error searching   B. Error detection   C. Error correction   D. Error transmission

68. …………………… is a process in which the receiver tries to guess the message by using redundant bits
A. Forward error correction B. Backward error correction
C. Transmission   D. Retransmission

69. ………………. Is a technique in which the receiver detects the occurrence of an error and askthe sender to resend the message
A. Forward error correction B. Backward error correction
C. Transmission   D. Retransmission

70. In block-coding we divide our message into blocks each of K-bits called
A. Data word B. Generator   C. Code word D. Checker

71. …………………in the data link layer separates a message from one source to a destination or from other messages to other destinations by adding a sender address and destination address
A. Transforming   B. Framing   C. Separating   D. Messaging

72. In……. there is no need for defining the boundaries of the frames the size itself can be used as   delimiter
A. Standard size framing   B. Fixed size framing
C. Variable size framing   D. Constant size framing

73. ………………is prevalent in LANS we need away to define the end of the frame and the beginning of the next
A. Standard size framing   B. Fixed size framing
C. Variable size framing   D. Constant sized framing

74. Which of the following is /are the methods used for carrying out framing
A. character count   B. Starting and ending characters with character stuffing
C. Starting and ending flags with bit stuffing   D. All the above

75. In................ the sender sends one frame and stops until it receives conformation from the receiver and then sends the next frame
A. Stop and wait protocol   B. Simplest protocol

C.Sliding window protocol   D.HDLC

76.In....... the sliding window is an abstract concept the design the range of sequence numbers that is the concern of the sender and receiver
A.Stop and wait protocol   B.Simplest protocol
C.Sliding window protocol   D.HDLC

77.The shortest frame in HDLC protocol is usually the
A.Information frame B.Management frame C.Supervisory frame   D.None of the above

78.Which error detection method consists of just one redundant bit per data unit
A.Simple parity check   B.Two-dimensional check   C.CRC D.Check sum

79.In cyclic redundant check what is the CRC
A.The divisor   B.The quotient   C.The dividend   D.The remainder

80.The modulo-2 arithmetic we use the …….operation for both addition and subtraction
A.XOR   B.OR   C.AND   D.None of the above

81.HDLC is an acronym for
   A.high-duplex line communication   B.high-level data link control
   C.half-duplex digital link combination   D.host double-level circuit

82.Data link control deals with the design and procedures for_____communication
A.node to node   B.host to host C.process to process   D.none of the above

83.Byte stuffing means adding a special byte to the data section of the frame when there is a
A.Header   B.Trailer   C.Flag   D.None

84.The simplest protocol and the stop-wait protocol are for_____channels
 A.noisy   B.noiseless   C.Both   D.none

85.Both Go-Back-N and Selective repeat protocols use a
A.sliding frame   B.sliding packets   C.sliding window   D.all of the above

86.In__each station sends a frame when ever it has a frame to send
A.pure ALOHA   B.slotted ALOHA   C.both   D.None

87.In................. the chance of collision can be reduced if a station serves the medium before trying to use it
 A.MA   B.CSMA   C.FDMA   D.CDMA

88.Data link control protocol (HDLC) is implemented at the
 A.Data link layer   B.Transport layer   C.Network layer   D.Physical layer

89.The size of sender window in Go-Back-N ARQ is
A.2^m B.$(2^m)-1$ C.$(2^m)/2$ D.1

90.The size of sender window in selective repeat ARQ
A.2^m B.$(2^m)-1$ C.$(2^m)/2$ D.1

91._____is byte oriented protocol
 A.HDLC   B.HLDC   C.PPP D.HCC

92.Piggy backing technique is used in_____frames
 A.S-frames   B.U-frames   C.I-frames   D.none of the above
93.   CDMA stands for

A.carrier division multiple access   B.code division multiple access
C.carrier division multiplexing access   D.code division multiplexing access

94.___method in which one channel carries all transmissions simultaneously is
A.TDMA   B.CDMA   C.FDMA   D.CSMA

95.In time division multiple access (TDMA), stations share bandwidth of channel in
A.Time   B.Station   C.Data D.Signals

96.Random access is also called the
A.controlled access B.Channelization   C.Authentication   D.contention methods

97.When we multiply two different sequences of chips sequences and add results, we get
A.Infinity   B.Zero   C.N   D.N+1

98.In poll function, when response is positive then primary reads data and returns
A.waiting frame   B.sending frame   C.receiving frame   D.acknowledgment frame

99.In token passing method, stations are organized in logical
A.Ring   B.Bus C.Star D.Hybrid

100.normally value of Kmax in pure ALOHA is
A.5   B.10   C.15   D.20

101.An IPV4 Address consists of _____
A.4   B.8   C.32   D.64

102.Identify the class of the following IPV4 address:4.5.6.7
A.A   B.B   C.C   D.none

103.In IPV4, class_____has the greatest number of address in each block
A.A   B.B   C.C   D.D

104.In Classless addressing, the prefix length defines the ____
A.netId   B.hostId   C.mask   D.none of the above

105.To make address more readable , IPV6 specifies___notation
A.dotted decimal   B.hexadecimal colon   C.both a and b   D.none

106.IP is a_____datagram protocol.
A.an Unreliable   B.a connectionless   C.both a and b   D.none

107.The 4 byte IP address consists of
A.Network Address   B.host address
C.both a and b   D.none of the mentioned

108.The network layer protocol of internet is
A.Ethernet   B.Internet Protocol   C.Hypertext transfer protocol   D.none of
the mentioned

109.ICMP is primarily used for
A.error and diagnostic functions   B.addressing
C.forwarding   D.none of the mentioned

110.Which of these is not applicable for IP protocol?
A.is Connectionless   B.offer reliable service
C.offer unreliable service   D.none of the mentioned

111.The size of the IP address in IPV6 is
A.4 bytes   B.128 bits   C.8 bytes   D.100 bits

112.If An address resolution protocol(ARP) request is broadcast, an address resolution Protocol(ARP) reply is
A.Universal   B.unicast   C.Minicast   D.Data link

113.In classless addressing , there are no classes but addresses are still granted in
A.IP's   B.blocks   C.codes   D.sizes

114.In Sub categories of reserved address in IPV6 , address that is used by a host to test itself Without going into the network is called
A.Unspecified address   B.loopback address   C.compatible address D.mapped address

115.In IPV6 address, addresses start with eight 0's are called
A.Unicast addresses B.multicast addresses C.anycast addresses   D.reserved addresses

116.Header of data gram in IPV4 has
A.0 to 20 bytes   B.20 to 40 bytes   C.20 to 60 bytes   D.20 to 80 bytes

117.First address in a block is used as network address that represents the
A.class network   B.entity   C.organization   D.codes

118.In classful addressing , a large part of available addresses are
A.Organized   B.Blocked   C.Wasted   D.Communicated

119.Tunneling is a Strategy used when two computers using
A.IPV4   B.IPV6   C.IPV5   D.none

120.Packets in IPV4 layer are called
A.datagrams   B.header length   C.Frames   D.tunnelling

121.A mobile computer can move from one physical network to another, resulting in a change in IP's
A.Physical Address   B.logical address   C.IP Address D.Header address

122._____protocol is used to map logical to physical address
A.ARP   B.RARP   C.ICMP   D.IGMP

123._____protocol is used to map physical to logical address
A.ARP   B.RARP   C.ICMP   D.d) IGMP

124.Given the value of n is 28 , then the number of addresses are
A.16   B.128   C.256   D.32

125.Which of the following is correctly assigned IPV4 address
A.129.56.045.78   B.221.34.7.8.20   C.75.45.301.14   D.129.11.45.78

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

II B.Tech–II Sem (MR 18-2018-19 Admitted Students)
I Mid Examination Subjective Question Bank

Subject: Web Technologies   **Branch:IT**
Name of the faculty: Dr. S. Kannan

Instructions:

1. All the questions carry equal marks

2. Solve all the questions

Q.No.	Question	Bloom's Taxonomy Level	CO
1.	Demonstrate the Special Data types with examples.	Understanding	1
	OR		
2.	Demonstrate the Scalar compound and Scalar types with examples.	Understanding	1
3.	Demonstrate file handling function in PHP with examples.	Understanding	1
	OR		
4.	Illustrate the database connection using MySQLi in PHP with example program.	Understanding	1
5.	Design a PHP function to perform Addition and Subtraction of integer values	create	1
	OR		
6.	Design a PHP forms with Text boxes to display a massage.	create	1
7.	Illustrate the create, modify and deletion of Cookies with example.	Understanding	1
	OR		
8.	Explain the process of creating and deletion of sessions with example.	Understanding	1
	Module II		
1.	Explain the Role of XML Attribute, Tags and Elements.	Applying	2
	OR		

2.	Make use of XML DTD and validate the sample XML data.	Applying	2
3.	Model the processing of XML data using the DOM processors	Applying	2
OR				
4.	Model the processing of XML data using the SAX processors	Applying	2
5.	Make use of XML Schema and validate the sample XML data.	Analyzing	2
OR				
6.	Explain the Role of XHTML Attribute, Tags and Elements.	Analyzing	2
7.	Write a Program to access the XML element using XML DOM	Understanding	2
OR				
8.	Write a Program to parse a text string into an XML DOM object, and extracts the info from it with JavaScript.	Understanding	2
Module III				
1.	Identify the advantage and disadvantages of Common Gateway Interface and Servlet.	Applying	3
OR				
2.	Develop the life cycle of Servlet with a sample servlet example	Applying	3
3.	Examine the Servlet API.	Analyzing	3
OR				
4.	Dissect the methods in Servlet Interface.	Analyzing	3

Signature of the Faculty   **Signature of the HoD**

Subject Name: Web Technologies

Branch: IT

Name of the Faculty: Dr. S. Kannan

Objective Questions

1. PHP files have a default file extension of_____
a) .html   b) .xml   c) .php   d) .ph

2. What should be the correct syntax to write a PHP code?
a) < php >   b) < ? php ?>   c) <? ?>   d) <?php ?>

3. Which version of PHP introduced Try/catch Exception?
a) PHP 4   b) PHP 5   c) PHP 6   d) PHP 5 and later

4. Which of the following is true about php variables?
A - All variables in PHP are denoted with a leading dollar sign ($).
B - The value of a variable is the value of its most recent assignment.
C - Variables are assigned with the = operator, with the variable on the left-hand side and the expression to be evaluated on the right.
D - All of the above.

5. Which of the following type of variables are whole numbers, without a decimal point, like 4195?
A – Integers   B – Doubles   C – Booleans   D – Strings

6. Which of the following type of variables are whole numbers, without a decimal point, like 4195?
A - Integers   B - Doubles   C - Booleans   D - Strings

7. Which of the following is an associative array containing session variables available to the current script?
A - $GLOBALS   B - $_SERVER   C - $_COOKIE   D - $_SESSION

8. Which of the following method can be used to create a MySql database using PHP?
A - mysql_connect() B - mysql_query()   C - mysql_close()   D - None of the above

9. PHP is a _____
A. Loosely typed language   B. Tightly typed language
C. Server typed language   D. Client typed language

10. Which of following is used to add multiple line comments in PHP ?
    A. //   B. /* */   C. {{ }}   D. {/ \}

11. Which sign is used to access variable of variable in PHP?
        A. $ B. $$ C. #@   D. $|

12. Which function is used to get ASCII value of a character in PHP ?
A. asc()   B. chr( )   C. ascii()   D. val( )

13._____ is used to unset a variable in PHP ?
A. unset()   B. delete()   C. unlink()   D. delete();

14. Which function in PHP is used to get the length of string variable?
A. count()   B. strcount   C. strlen   D. len

15. Which of the following method sends input to a script via a URL?
A.Get   B.Post   C.Both   D.None

16. Which of the following function returns a text in title case from a variable?
A.ucwords($var)   B.upper($var) C.toupper($var)   D.ucword($var)

17. Which of the following function returns the number of characters in a string variable?
A.count($variable)   B.len($variable)   C.strcount($variable) D.strlen($variable)

18. Which of the below symbols is a newline character?
a) \r   b) \n   c) /n   d) /r

19. How to define a function in PHP?
a) function {function body}   b) data type functionName(parameters) {function body}
c) functionName(parameters) {function body}   d) function functionName(parameters) {function body}

20. Type Hinting was introduced in which version of PHP?
a) PHP 4   b) PHP 5   c) PHP 5.3   d) PHP 6

21. A function in PHP which starts with __ (double underscore) is known as _____
a) Magic Function   b) Inbuilt Function   c) Default Function   d) User Defined Function

22. PHP's numerically indexed array begin with position _____
a) 1   b) 2   c) 0   d) -1

23. Which of the following PHP function will return true if a variable is an array or false if it is not an array?
a) this_array() b) is_array()   c) do_array()   d) in_array()

24. Which in-built function will add a value to the end of an array?
a) array_unshift()   b) into_array() c) inend_array()   d) array_push()

25. Which of the following function is used to get the value of the previous element in an array?
a) last()   b) before()   c) prev()   d) previous()

26. Which function returns an array consisting of associative key/value pairs?
a) count()   b) array_count()   c) array_count_values()   d) count_values()

27. Which of the functions is used to sort an array in descending order?
a) sort()   b) asort()   c) rsort()   d) dsort()

28. Which function should we use to sort the array in natural order?
a) dsort()   b) casesort()   c) natcasesort()   d) naturalsort()

29. What will be the output of the following PHP code?
<?php
echo "Hello world </br> I am learning PHP";
?>
a) Hello world b) Hello world I am learning PHP
c) Hello world
I am learning PHP   d) Error

30.What will be the output of the following PHP code?
```php
<?php
echo "Hello world <strong>I am learning PHP</strong>"
?>
```
a) Hello world b) Hello world I am learning PHP
c)   d) Error
Hello world
I am learning PHP

31.What will be the output of the following PHP code?
```php
<?php
echo "This", "was", "a", "bad", "idea";
?>
```
a) This, was, a, bad, idea   b) This was a bad ideac) Thiswasabadidea   d) Error

32.What will be the output of the following PHP code?
```php
<?php
echo "This"."was"."a"."bad"."idea";
?>
```
a) This, was, a, bad, idea   b) This was a bad ideac) Thiswasabadidea   d) Error

33.What will be the output of the following PHP code?
```php
<?php
echo "This","was"|"a","bad"."idea";
?>
```
a) Thiswasabadidea   b) Thiswasbadidea   c) Thiswas a badidea d) Thiswas abadidea

34. In PHP, cookies are set by using the
    A. setcookie ( ) function B.set ( ) function C. cookie_set ( ) function D. None of them

35. Name, value, expire, patrh, httponly, domain, secure all of these are arguments of
    A. session ( ) function   B. setcookie ( ) function   C.reset_cookie ( ) function
    B. None of them

36.Secure ( ) argument in setcookie function returns result
    A. In integer form   B.In string form   C.In boolean form   D.None of them

37. In PHP4.1 and later versions, the cookies name/value pair are added to the
    A. Superglobal array   B.$_COOKIE   C.Global function   D.Both A and B

38. Using $_SESSION, $HTTP_SESSION_VARS functions can be dangerous, so that you can use
    A. session_destroy ( )   B.session_unset ( )   C.set ( )   D.None of them

39. A special kind of a file that is located in filesystem of your browser and can be read and write from web server, is calls as
    A. Session   B.Cookies   C.Script   D.All of them

40. Which one of the following is the very first task executed by a session enabled page?
a) Delete the previous session   b) Start a new session   c) Check whether a valid session exists
d) Handle the session

41. How many ways can a session data be stored?

a) 3   b) 4   c) 5   d) 6

42. Which directive determines how the session information will be stored?
a) save_data   b) session.save   c) session.save_data   d) session.save_handler

43. Which one of the following is the default PHP session name?
a) PHPSESSID   b) PHPSESID   c) PHPSESSIONID   d) PHPIDSESS

44. If session.use_cookie is set to 0, this results in use of _____
a) Session   b) Cookie   c) URL rewriting   d) Nothing happens

45. If the directive session.cookie_lifetime is set to 3600, the cookie will live until _____
a) 3600 sec   b) 3600 min   c) 3600 hrs   d) the browser is restarted

46. Neglecting to set which of the following cookie will result in the cookie's domain being set to the host name of the server which generated it.
a) session.domain   b) session.path   c) session.cookie_path   d) session.cookie_domain

47. What is the default number of seconds that cached session pages are made available before the new pages are created?
a) 360   b) 180   c) 3600   d) 1800

48. What is the default time(in seconds) for which session data is considered valid?
a) 1800   b) 3600   c) 1440   d) 1540

49. Which one of the following function is used to start a session?
a) start_session()   b) session_start()   c) session_begin()   d) begin_session()

50. Which function is used to erase all session variables stored in the current session?
a) session_destroy()   b) session_change()   c) session_remove()   d) session_unset()

51.What does XML stand for?
A)eXtra Modern Link   B)eXtensible Markup Language
C) Example Markup Language   D)X-Markup Language

52.What is the correct syntax of the declaration which defines the XML version?
A)<xml version="A.0" />   B)<?xml version="A.0"?>
C)<?xml version="A.0" />   D)None of the above

53.Which statement is true?
A)All the statements are true   B)All XML elements must have a closing tag
C)All XML elements must be lower case   D)All XML documents must have a DTD

54.Is it easier to process XML than HTML?
A)Yes   B)No C)Sometimes D)Can't say

55.Which of the following programs support XML or XML applications?
A)Internet Explorer 5.5   B)Netscape D.7   C)RealPlayer.   D)both A and B

56.Kind of Parsers are
A)well-formed   B)well-documented
C)non-validating and validating   D)none of the above

57.Well formed XML document means

A)it contains a root element   B)it contain an element   C)it contains one or more elements
D)must contain one or more elements and root element must contain all other elements

58.Comment in XML document is given by
A)<?-- -->   B)<!-- --!>   C)<!-- -->   D)</-- -- >

59.When processing an output XML, "new line" symbols
A)are copied into output "as is", i.e. "CR+LF" for Windows, CR for Macintosh, LF for Unix
B)are converted to single LF symbol
C)are converted to single CR symbol
D)are discarded

60.Which of the following strings are a correct XML name?
A)_myElement   B)my Element   C)#myElement   D)None of the above

61.Which of the following strings are a correct XML name?
A)xmlExtension   B)xslNewElement   C)XMLElement#123   D)All

62.Which of the following XML fragments are well-formed?
A)<?xml?>   B)<?xml version="A.0"?>
C)<?xml encoding="JIS"?>   D)<?xml encoding="JIS" version="A.0"?>

63.What are the predefined attributes
A)xml:lang   B)xml:space   C)Both   D)none.

64.For XML document to be valid
A)document need to be well formed also   B)document need not to be well formed
C)document need to be well formed & valid D)document validity has no relationship with well formedness

65.Valid XML document means (most appropriate)
A)the document has root element
B)the document contains atleast one or more root element
C)the XML document has DTD associated with it & it complies with that DTD
D)Each element must nest inside any enclosing element property

66.XML uses the features of
A)HTML   B)XHTML   C)VML   D)SGML

67.XML document can be viewed in
A)IE C.0   B)IE B.0   C)IE 6.0   D)IE X.0

68.There is a way of describing XML data, how?
A)XML uses a DTD to describe the data   B)XML uses XSL to describe data
C)XML uses a description node to describe data   D)Both A and C

69.What does DTD stand for?
A)Direct Type Definition   B)Document Type Definition
C)Do The Dance   D)Dynamic Type Definition

70.DTD includes the specifications about the markup that can be used within the document, the
specifications consists of all EXCEPT
A)the browser name   B)the size of element name
C)entity declarations   D)element declarations

71.Which of the following XML documents are well-formed?
A)<firstElement>some text goes here
<secondElement>another text goes here</secondElement>
</firstElement>
B)<firstElement>some text goes here</firstElement>
<secondElement> another text goes here</secondElement>
C)<firstElement>some text goes here
<secondElement> another text goes here</firstElement>
</secondElement>
D)</firstElement>some text goes here
</secondElement>another text goes here
<firstElement>

72.Which of the following XML fragments are well-formed?
A)<myElement myAttribute="someValue"/>   B)<myElement myAttribute=someValue/>
C)<myElement myAttribute='someValue'>   D)

73.How can we make attributes have multiple values:
A)<myElement myAttribute="value1 value2"/>   B)<myElement myAttribute="value1"
myAttribute="value2"/>
C)<myElement myAttribute="value1, value2"/>   D)attributes cannot have multiple values

74.Which of the following XML fragments are well-formed?
A)<myElement myAttribute="value1 <= value2"/> B)<myElement myAttribute="value1 & value2"/>
C)<myElement myAttribute="value1 > value2"/>   D)None of the above

75.The use of a DTD in XML development is:
A)required when validating XML documents
B)no longer necessary after the XML editor has been customized
C)used to direct conversion using an XSLT processor
D)a good guide to populating a templates to be filled in when generating an XML document automatically

76.Parameter entities can appear in
A)xml file   B)xsl file   C)Both 1 and 2   D)dtd file

77.Attribute standalone="no" should be included in XML declaration if a document:
A)is linked to an external XSL stylesheet   B)has external general references
C)has processing instructions   D)has an external DTD

78.In XML
A)the internal DTD subset is read before the external DTD
B)the external DTD subset is read before the internal DTD
C)there is no external type of DTD
D)there is no internal type of DTD

79.Disadvantages of DTD are
A)DTDs are not extensible
B)DTDs are not in to support for namespaces
C)there is no provision for inheritance from one DTDs to another
D)All the Above

80.To use the external DTD we have the syntax
A)<?xml version="A.0" standalone="no"?>
<! DOCTYPE DOCUMENT SYSTEM "order.dtd"?>

B)<?xml version="A.0" standalone="yes"?>
<! DOCTYPE DOCUMENT SYSTEM "order.dtd"?>
C))<?xml version="A.0" standalone="no"?>
<! DOCTYPE DOCUMENT "order.dtd"?>
D<?xml version="A.0" standalone="yes"?>
<! DOCTYPE DOCUMENT SYSTEM "order.dtd"?>

81.To add the attribute named Type to the <customer> tag the syntax will be
A)<customer attribute Type="exelent">   B)<customer Type attribute ="exelent">
C)<customer Type attribute_type="exelent">   D)<customer Type=" exelent" >

82.The syntax for parameter entity is
A)<! ENTITY % NAME DEFINITION>   B)< ENTITY % NAME DEFINITION>
C)<! ENTITY $ NAME DEFINITION>   D)< ENTITY % NAME DEFINITION>

83.You can name the schema using the name attribute like
A)<schema attribute="schema1">   B)<schema nameattribute="schema1">
C)<schema nameattri="schema1">   D)<schema name="schema1">

84.The default model for complex type, in XML schemas for element is
A)textOnly   B)elementOnly   C)no default type   D)both 1 & 2

85.Microsoft XML Schema Data types for Hexadecimal digits representating octates
A)UID   B)UXID   C)UUID   D)XXID

86.A schema describes
A)Grammer   B)Vocabulary   C)datatype of XML document and Structure   D)All the above

87.Microsoft XML Schema Data Type " boolean" has values
A)True ,False   B)True ,False or 1,0   C)1,0   D)any number other then zero and zero

88.Simple type Built into Schema " data' represent a data in
A)MM-DD-YY   B)Dd-MM-YY   C)YY-MM-DD   D)YYYY-MM-DD

89.In simple Type Built into XML schema Boolean type holds
A)True, False   B)1,0   C)both A. & B   D)True/False and any number except 0

90.In simple type built into XML schema type flat has single precision of _____ floating point
A)16 bit   B)32 bit   C)8 bit   D)4 bit

91.The XML DOM object is
A)Entity Reference   B)Entity   C)Comment Reference   D)Comment Data

92.Attribute of the document interface in DOM is/are
A)Doctype   B)Implementation   C)documentElement   D)All the above

93.The default model for complex type, in XML schemas for element is
A)textOnly   B)elementOnly   C)no default type   D)both a & b

94.To create a choise in XML schemas, we use the
A)<xsd:select> element   B)<xsd:multi> element   C)<xsd:choise> element   D)<xsd:single> element

95.The XSL formating object use to hold the contents of the body of a list item is

A)list-block   B)list item   C)ist-item-body   D)list-item-label

96.To create a data island we use the _____HTML element
A)<XML>   B)<dataisland>   C)<Island>   D)<XMLIsland>

97.To Bind the HTML elements with DSO we use _____ attribute
A)DATASOURCE   B)DATASRC   C)DATAFIELD   D)Both a & b

98.To bind the HTML element <INPUT> Type in text with the datasource " dsoCustomer" we use
A)<INPUT TYPE="TEXT" DATAFIELD="#dsoCustomer">
B)<INPUT TYPE="TEXT" DATASRC=" dsoCustomer">
C)<INPUT TYPE="TEXT" DATASRC=" #dsoCustomer" >
D)<INPUT TYPE="TEXT" DATAFLD=" #dsoCustomer">

99.XML DSOs has the property for the number of pages of data the recordset contains
A)Count
B)Number
C)pageCount
D)pageNumber

100.Whats so great about XML?
A)Easy data exchange   B)High speed on network
C)Only B.is correct   D)Both A. & B

101.A deployment descriptor describes
A)web component response settings B)web component settings
C)web component request objects   D)All of the above

102.Dynamic interception of requests and responses to transform the information is done by
A)servlet container   B)servlet config   C)servlet context   D)servlet filter

103.The life cycle of a servlet is managed by
A)servlet context   B)servlet container
C)the supporting protocol (such as http or https)   D)all of the above

104.The include() method of RequestDispatcher
A)sends a request to another resource like servlet, jsp or html
B)includes resource of file like servlet, jsp or html
C)appends the request and response objects to the current servlet
D)None of the above

105.The method forward(request,response) will
A)return back to the same method from where the forward was invoked
B)not return back to the same method from where the forward was invoked and the web pages navigation continues
C)Both A and B are correct
D)None of the above

106.What is the limit of data to be passed from HTML when doGet() method is used?
A)4K   B)8K   C)2K   D)1K

107.What are the mechanisms available in ServletContextListener interface?
A)contextInit(), contextService(), contextDestroyed()
B)contextInitialized((),contextDestroyed()

C)contextInitialized(), contextService(), contextDestroyed()
D)None of the above

108.The getSession() method with 'true' as its parameter [getSession(true)] it will return the appropriate session object when
A)the session is completed
B)the session object is passed to another method
C)the session does not exists
D)the session is existing

109.Which of the following are the session tracking techniques?
A)URL rewriting, using session object, using response object, using hidden fields
B)URL rewriting, using session object, using cookies, using hidden fields
C)URL rewriting, using servlet object, using response object, using cookies
D)URL rewriting, using request object, using response object, using session object

110.What's the difference between servlets and applets? Select all the possible options.
1.Servlets executes on Servers, where as Applets executes on Browser
2.Servlets have no GUI, where as an Applet has GUI
3.Servlets creates static web pages, where as Applets creates dynamic web pages
4.Servlets can handle only a single request, where as Applet can handle multiple requests
A)1,2,3 are correct   B)1,2 are correct   C)1,3 are correct   D)1,2,3,4 are correct

111.In which advantage of servlet, Servlets are managed by JVM so no need to worry about memory leak, garbage collection etc.?
A)Better performance   B)Portability   C)Robust   D)Secure

112.When you are send the parameters using get method how do send them?
A)By Comma   B)By ampresend   C)By question mark   D)None of the above

113.In HTTP Request Which Asks for the loopback of the request message, for testing or troubleshooting?
A)put and get B)Options   C)Delete   D)Trace

114.How to send data in get method?
A)We cannot B)Through url   C)Through Payload   D)None of the above

115.In the HTTP Request method which is non-idempotent?
A)GET B)POST   C)BOTH A & B   D)None of the above

116.Give the examples of Application Server from the following?
A)Tomcat   B)JBoss   C)Weblogic   D)Both JBoss and Weblogic

117.Abbreviate the term MIME?
A)Multilevel internet Mail Extension   B)Multipurpose internet Mail Extension
C)Multiuse information Mail Extension   D)None of the above

118.Which packages represent interfaces and classes for servlet API?
A)javax.servlet   B)javax.servlet.http   C)Both A & B   D)None of the above

119.The web container maintains the life cycle of a servlet instance,give the lifecycle of a servlet?
A)Servlet class is loaded   B)Servlet instance is created
C)init,Service,destroy method is invoked   D)All mentioned above

120.Which http method sent by browser that asks the server to get the page only

A)Get   B)Post   C)Put   D)Option

121.In RequestDispacher, which method is used to sends the same request and response objects to another Servlet?

A)forward()   B)sendRedirect()   C)Both A & B D)None of the above

122. Which object is created by the web container at time of deploying the project?

A)ServletConfig   B)ServletContext   C)Both A & B D)None of the above

123.An attribute in Servlet is an object that can be set, get or removed from one of the following scopes?

A)session scope   B)request scope   C)application scope   D)All the above

124.How many techniques are used in Session Tracking?

A)4   B)3   C)2   D)5

125.Which cookie it is valid for single session only; it is removed each time when user closes the browser?

A)Persistent cookie   B)Non-persistent cookie   C)Both A & B D)None of the above

Signature of the Faculty   **Signature of HOD**