

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

(Affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD)

Gundlapochampally (H), Maisammaguda (V), Medchal (M), Medchal-Malkajgiri (Dist), Hyderabad.

III B.Tech II Semester Supplementary Examinations, NOVEMBER-2017**SUBJECT: Software Testing Methodologies****Branch: IT****Time: 3 hours****Max. Marks: 75****PART – A****I. Answer All Questions****5x1Mark=5Marks**

1. Define Bug, Error and Defect.
2. What is Path Testing?
3. Define requirement based testing.
4. What a decision table pre-processor will do?
5. What are graph relations?

II. Answer All Questions**10x2Marks=20Marks**

1. What is the reasonable metric for bug importance?
2. Write a short note on Designer versus tester.
3. What is path sensitizing?
4. What is a predicate? Explain about path predicates with example.
5. Describe the configuration testing.
6. Write about accessibility testing.
7. Define Regular Expression.
8. In the rules of mean processing time, if the path expression is A+B then what will be the weight expression?
9. Describe power of matrix in Software Testing.
10. What are the expected outcomes in test management?

PART-B**Answer all questions****5x10 Marks= 50Marks**

1. a) Give the differences between Testing versus Debugging.
b) Discuss on which factors the importance of bugs depends? Briefly explain the Consequences of bugs.

(OR)

2. a) What is the purpose of testing? Explain two major goals of testing.
b) Prepare the K-map for the given expression.

$$F(A,B,C,D)=\overline{A}\overline{B}\overline{C}\overline{D} + \overline{A}B\overline{C}\overline{D} + \overline{A}\overline{B}CD + \overline{A}B\overline{C}D.$$

3. a) Categorize different kinds of loops with suitable examples.
b) How an anomaly can be detected? Explain different types of dataflow anomalies and data flow anomaly state graphs.

(OR)

4. a) Write short notes on applications of dataflow testing.
b) What are the advantages and disadvantages of transaction flow testing?
5. Explain in detail black box testing with an example.

(OR)

6. a) Write short notes on random testing.
b) Is alpha and beta testing is essential in software development process justify.
7. What are decision tables? Illustrate the applications of decision tables. How is decision table useful in testing? Explain with an example.

(OR)

8. State various steps in path reduction procedure and explain their usage with suitable example.
9. Write short notes on
- a) Test planning.
 - b) Test plan Components.
 - c) Testing services.

(OR)

10. a) How do you represent graphs in matrix format? Discuss with suitable examples.
b) Explain node reduction algorithm with reference to graph matrices.

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III B.Tech II Semester Supplementary Examinations, NOVEMBER-2017**SUBJECT: COMPUTER GRAPHICS****Branch: IT****Time: 3 hours****Max. Marks: 75****PART – A****I. Answer All Questions****5x1Mark=5Marks**

1. How does electron gun in a CRT functions?
2. What is Window?
3. What is rendering?
4. What is Viewing Transformation?
5. Write about Generation of In Between Frames?

II Answer all questions**10×2 = 20M**

1. Explain Raster Scan System?
2. What is the use of Display processor in raster graphic system?
3. Write the Composite Transformation matrix for Scaling & Reflection?
4. Write about Homogeneous coordinates?
5. Write about B-Spline curves?
6. Write about Illumination Models?
7. Write the 3-D transformation matrix for Reflection & Shearing?
8. Explain Clipping with an example?
9. What is key frame specification?
10. Brief about Area Sub division method?

PART B**Answer the following Questions****5×10 = 50M**

1. a) Explain the working model of Refresh- Cathode –Ray Tubes with neat diagrams?
b) Explain Scan –Line Polygon Fill algorithm?
or
2. Explain Mid – Point Ellipse Algorithm with an example?
3. Write the 2-D transformation matrix for Translation, Rotation, Scaling, Reflection and Shear?
or
4. a) Explain the 2-D viewing – transformation pipeline?
b) Explain Cyrus beck line clipping algorithm?
5. Explain Bezier curves and Surfaces with their properties?
or
6. Explain about polygon rendering methods with an example?
7. Explain Composite transformations in 3D?
or
8. Explain parallel Projections?
9. Write about back face detection method?
or
10. a) Write about different motion specifications?
b) Write about different computer animation languages?

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III B.Tech II Semester Supplementary Examinations, NOVEMBER-2017SUBJECT: Cloud Computing

Branch: IT

Time: 3 hours

Max. Marks: 75

PART A**I. Answer all questions****5×1 = 5M**

1. What is grid computing?
2. What are the challenges for the cloud?
3. Discuss the use of SOA.
4. Explain the importance of cloud computing.
5. What is role of MSP in cloud computing?

II Answer all questions**10×2 = 20M**

1. What is the use of cluster in cloud?
2. What is the working principle of Cloud Computing?
3. Discuss the evolution of cloud computing.
4. Discuss about facebook service.
5. Explain the characteristics of Cloud computing.
6. What is IaaS. Give an example for IaaS service.
7. What is salesforce.com?
8. What are the limitations of cloud?
9. What are the risks of storing data in the Cloud?
10. Brief on cloud security.

PART B**Answer the following Questions****5×10 = 50M**

1. Discuss briefly about types of virtualizations and uses.
(or)
2. What is Parallel Computing? What are the primary reasons for using parallel computing?
3. Explain the basic approach to a data center based service oriented architecture.
(or)
4. Compare and Contrast Grid Computing and Cloud Computing.
5. Explain in detail about Secure Software Development Life Cycle (SecSDLC).
(or)
6. Explain about the standards of security and standards of application developers in cloud computing.
7. Explain one the collaboration of end user access to cloud computing.
(or)
8. What are the various operating systems for smart phones? Explain the future trends of smart phones.
9. Write case study on Amazon Cloud Front.
(or)
10. Explain the windows live cloud service and share point cloud service.

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III B.Tech II Semester Supplementary Examinations, NOVEMBER-2017**SUBJECT: Human Values And Professional Ethics****Branch: Common to ME, ECE, IT & MINING****Time: 3 hours****Max. Marks: 75****PART – A****I. Answer All Questions****5x1Mark=5Marks**

1. Define Ethics.
2. What is 'Self Assessment'?
3. Define Trade Mark.
4. Define Value Education.
5. What do you understand by Eustress?

II. Answer All Questions**10x2Marks=20Marks**

1. Compare between moral values and ethical values.
2. Honesty is the best policy-Discuss.
3. Distinguish between Untrained and Trained Memory.
4. Explain how one can assess oneself.
5. What are copy rights?
6. Explain moral dilemma with an illustration.
7. Discuss the meaning of Universal Brotherhood.
8. What are basic aspirations of Human Beings?
9. Enumerate the negative influences of stress on human health.
10. What do you know about Sympathy?

PART-B**Answer all questions****5x10 Marks= 50Marks**

1. As a Citizen of the country every individual has Social Responsibility for the betterment of the society – Justify the statement with examples.

(OR)

2. Why it is important for every citizen to be socially responsible?
3. Discuss Howard Gardener's Multiple Intelligence Model.

(OR)

4. Explain the need of self discipline.
5. Discuss the Carol Gilligan's Theory Moral Development?

(OR)

6. What are customs religion professional life?
7. Value Based Education shapes the Personalities of the Individuals Unique - Justify the statement with examples.

(OR)

8. What are the contents of value education?
9. Identify the different techniques of Stress Management to lead better life?

(OR)

10. Explain how spirituality helps an individual to know the purpose his life

