

Code No: **R15A0065****MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY**

(Autonomous Institution – UGC, Govt. of India)

**III B.Tech I Semester Supplementary Examinations, January 2024****Management Science****(CSE)**

<b>Roll No</b>									
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**Time: 3 hours****Max. Marks: 75****Note:** This question paper contains two parts A and B

Part A is compulsory which carries 25 marks and Answer all questions.

Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

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**PART-A (25 Marks)**

- 1). a What are the Functions of Management? [2M]
- b Explain Maslow's need Hierarchy Theory [3M]
- c List out the Control charts [2M]
- d Write a note on ABC Analysis [3M]
- e Tell about Job Evaluation. [2M]
- f Distinguish between Wage and Salary [3M]
- g Define Project Management [2M]
- h Illustrate Critical Path. [3M]
- i Define Vision and Mission statement with examples. [2M]
- j Objectives of Strategic Management. [3M]

**PART-B (50 MARKS)****SECTION-I**

- 2 Explain the systems and contingency theory of management in detail. [10M]  
OR

- 3 How can you set an organizational vision, mission and goals? Discuss. [10M]

**SECTION-II**

- 4 Explain the different stages in PLC with suitable examples. [10M]  
OR

- 5 Distinguish between Line and Staff Organization structure. [10M]

**SECTION-III**

- 6 Bring out the various differences between HRM and HRD. [10M]  
OR

- 7 Explain the steps in grievance handling procedure with suitable examples. [10M]

**SECTION-IV**

- 8 What are the objectives of Project Management and explain the role of a project manager. [10M]

OR

- 9 A small project is composed of 7 Activities whose time estimates are listed below. [10M]

Activity	Estimated Time duration in weeks		
	Optimistic	Most likely	Pessimistic
1-2	1	1	7
1-3	1	4	7
1-4	2	2	8
2-5	1	1	1
3-5	2	5	14
4-6	2	5	8
5-6	3	6	15

Draw PERT Diagram and represent the project completion time.

**SECTION-V**

- 10 Briefly explain the concept of SWOT by taking an example of your choice [10M]  
OR  
11 Discuss the Steps in strategy formulation and implementation. [10M]

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Code No: R15A0517

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY  
(Autonomous Institution – UGC, Govt. of India)

III B.Tech I Semester Supplementary Examinations, January 2024  
Computer Graphics  
(CSE)

Roll No									

Time: 3 hours

Max. Marks: 75

**Note:** This question paper contains two parts A and B

Part A is compulsory which carries 25 marks and Answer all questions.

Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

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**PART-A (25 Marks)**

- 1). a Define aspect ratio. Give one example of an aspect ratio. [2M]
- b Give any three applications of computer graphics. [3M]
- c What is Polygon clipping. [2M]
- d Write short notes on active and passive transformations? [3M]
- e What are polygon surfaces. [2M]
- f Define Transformation? What are the steps involved in 3D transformation [3M]
- g Define scan line method. [2M]
- h What are the advantages of BSP tree method. [3M]
- i Discuss about direct motion specification. [2M]
- j List steps for designing computer animation. [3M]

**PART-B (50 MARKS)****SECTION-I**

- 2 Write algorithm for Bresenham's line drawing algorithm? Use Bresenham's line drawing algorithm to rasterize line from (6, 5) to (15, 10) [10M]

OR

- 3 i) Differentiate between Random Scan and Raster Scan. [5M]
- ii) Explain Boundary Fill Algorithm? [5M]

**SECTION-II**

- 4 Write about Cohen-Sutherland line clipping algorithm with an example. [10M]

OR

- 5 Explain the following
  - (i) Basic two-dimensional scaling [5M]
  - (ii) Composite transformation scaling. [5M]

**SECTION-III**

- 6 Write short notes on polygon surfaces and quadric surfaces. [10M]

OR

- 7 Explain three-dimensional viewing in detail [10M]

**SECTION-IV**

- 8 Discuss back face detection method with example. [10M]

OR

- 9 Explain depth sorting method with example. [10M]

**SECTION-V**

- 10 Demonstrate the computer animation functions in detail [10M]

OR

11 Discuss about computer animation languages.  
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[10M]

Code No: **R15A0511****MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY**

(Autonomous Institution – UGC, Govt. of India)

**III B.Tech I Semester Supplementary Examinations, January 2024****Software Engineering****(CSE)**

<b>Roll No</b>										
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**Time: 3 hours****Max. Marks: 75****Note:** This question paper contains two parts A and B

Part A is compulsory which carries 25 marks and Answer all questions.

Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

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**PART-A (25 Marks)**

- 1). a List out the levels of CMMI. [2M]
- b Draw the Phases of Waterfall model. [3M]
- c What is feasibility study? [2M]
- d What are the differences between functional requirements and non-functional requirements? [3M]
- e List the principles of a software design [2M]
- f Name the commonly used architectural styles. [3M]
- g Write a short note on black box testing. [2M]
- h What is regression testing? Give example. [3M]
- i What is software reliability? Define. [2M]
- j Discuss the reactive risk strategy. [3M]

**PART-B (50 MARKS)****SECTION-I**

- 2 a) Discuss about the changing nature of software. [5M]
- b) Explain spiral model with its merits and demerits. [5M]

OR

- 3 a) Discuss in brief about different software myths and their consequences. [5M]
- b) Explain software development life cycle. Discuss various activities during SDLC. [5M]

**SECTION-II**

- 4 a) Describe five desirable characteristics of a good software requirement specification document. [5M]
- b) Draw the complete DFD at least up to 2-levels for a library management system. [5M]

OR

- 5 a) List and explain the object models in brief. [5M]
- b) What are the activities of requirements elicitation and analysis? Explain. [5M]

**SECTION-III**

- 6 a) List and explain different kinds of architecture styles and patterns. [5M]

b) State and explain the generic tasks that are always performed in user interface design. [5M]

OR

- 7 a) Explain the process of mapping dataflow into software architecture. [5M]  
b) List the golden rules of user interface design. [5M]

**SECTION-IV**

- 8 a) Distinguish between error and failure. Which of the two is detected by testing? Justify. [5M]  
b) Explain how black box testing differs from white box testing. [5M]

OR

- 9 a) What are the metrics used for software maintenance? Discuss. [5M]  
b) Discuss types of risks occur during software development. [5M]

**SECTION-V**

- 10 a) Explain the factors that affect software quality. [5M]  
b) Discuss about software quality assurance. [5M]

OR

- 11 a) Write detailed notes on ISO 9000 quality standards. [5M]  
b) Explain about formal technical reviews. [5M]

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