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R-15

Code: 7G173

IV B.Tech. I Semester Supplementary Examinations January 2022

Industrial Management & Entrepreneurship
(Computer Science and Engineering)

Max. Marks: 70

Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

Marks CO Blooms Level

UNIT-I

- | | | | |
|---|----|-----|--------|
| 1. a) Explain the general principles of Management as given by Henry Fayol. | 7M | CO1 | L2, L3 |
| b) Explain the merits and demerits of Government owned companies | 7M | CO1 | L2, L3 |

OR

- | | | | |
|---|----|-----|--------|
| 2. a) State various types of business organization? Explain any two of them stating the merits and demerits of it. | 6M | CO1 | L2, L3 |
| b) With suitable examples, explain how effective advertising and sales promotion will lead to the growth of the firm. | 8M | CO1 | L3, L4 |

UNIT-II

- | | | | |
|---|----|-----|--------|
| 3. a) Explain various factors influencing the working capital requirement. | 6M | CO2 | L2, L3 |
| b) Why is depreciation charged as expense? Briefly explain the declining balance depreciation method. | 8M | CO2 | L2, L3 |

OR

- | | | | |
|--|----|-----|--------|
| 4. a) "Capital budgeting in financial management is an important aspect". Justify the statement. | 8M | CO2 | L3, L4 |
| b) Explain various methods of capital budgeting. | 6M | CO2 | L2, L3 |

UNIT-III

5. a) A project consists of FIVE activities. The activities precedence relations and activity durations (in days) are given below.

Activity	Node	Activity Duration
A	1-2	2
B	2-3	4
C	2-4	1
D	3-4	5
E	4-5	3

- | | | | |
|--|-----|-----|--------|
| i) Construct the project network | | | |
| ii) Determine critical path | | | |
| iii) Calculate project completion time | | | |
| iv) Find TF,FF and IF for activity 'C' | 10M | CO3 | L2, L3 |
| b) Briefly explain ABC analysis. | 4M | CO3 | L2, L3 |

OR

6. a) State and explain the functions of PPC. 7M CO3 L2, L3
b) Differentiate CPM and PERT. 7M CO3 L2, L3

UNIT-IV

7. a) What are the functions of personnel management? 4M CO4 L2, L3
b) Briefly explain various leadership styles and state the merits and demerits of them. 10M CO4 L2, L3

OR

8. a) What is recruitment? State different sources of recruitment. 7M CO4 L2, L3
b) What is selection? Briefly explain the general selection process in IT industry? 7M CO4 L2, L3

UNIT-V

9. a) What is entrepreneurship? What are the factors affecting entrepreneurship? 7M CO5 L2, L3
b) Briefly explain various stages of product design process. 7M CO5 L2, L3

OR

10. a) What is the need for training for enterprises? How is this achieved? 7M CO5 L3, L4
b) Briefly explain the steps in process design. 7M CO5 L2, L3

****END****

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R-15

Code: 5G478

IV B.Tech. I Semester Supplementary Examinations January 2022

Object Oriented Analysis and Design

(Common to CSE & IT)

Max. Marks: 70

Time: 3 Hours

Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks)

UNIT-I

- 1. a) What is the importance of modeling? Explain the principles of modeling. 7M
- b) How to model a system's Architecture? 7M

OR

- 2. Explain the conceptual model of the UML? 14M

UNIT-II

- 3. a) What is classifier? Explain kinds of classifiers. 7M
- b) Explain the difference between forward and reverse engineering. 7M

OR

- 4. a) What is generalization? Illustrate with a neat diagram. 7M
- b) Explain object diagram and its properties. 7M

UNIT-III

- 5. a) What is sequencing? Illustrate procedural sequencing with a neat diagram. 7M
- b) Explain the following with an example for designing advanced sequence model. 7M
 (i) Active objects. (ii) Passive objects. (iii) Transient objects.

OR

- 6. a) Write a note on Interaction diagram and its common properties. 7M
- b) Explain the guidelines for the following models. 7M
 (i) Activity Models (ii) Sequence Models.

UNIT-IV

- 7. a) What is a signal? State the procedure to model families of signals. 7M
- b) Explain transition and self transition with a diagram. 7M

OR

- 8. a) What is a state machine? Illustrate with a neat diagram. 7M
- b) Explain the importance of event trigger. 7M

UNIT-V

- 9. a) State how components and interface are related. 7M
- b) Discuss about IML deployment and component diagram. Draw the diagram for a banking application. 7M

OR

- 10. a) What is deployment diagram? Explain layer architecture. 7M
- b) Explain package in library application. 7M
