

Hall Ticket Number :

R-19

Code: 19A373T

IV B.Tech. I Semester Supplementary Examinations March/April 2023

Management science

(Common to ECE & CSE)

Max. Marks: 70

Time: 3 Hours

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

Marks CO BL

UNIT-I

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|-------|--|----|---|---|
| 1. a) | Discuss the Systems approach to the study of management. | 7M | 1 | 2 |
| b) | Bring out Henry Fayol's contribution to the science of management. | 7M | 1 | 2 |

OR

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|----|--|-----|---|---|
| 2. | What is the need for organization structure? State any four differences between formal and informal organization structures. | 14M | 1 | 2 |
|----|--|-----|---|---|

UNIT-II

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|----|--|-----|---|---|
| 3. | What is plant layout? Discuss objectives and advantages of good layout | 14M | 2 | 2 |
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OR

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| 4. a) | What are the methods of production? | 7M | 2 | 2 |
| b) | Explain various stages of product life cycle. | 7M | 2 | 2 |

UNIT-III

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|-------|--|----|---|---|
| 5. a) | Elucidate the various methods of recruitment. | 7M | 3 | 2 |
| b) | Explain the objective of wage and salary administration. | 7M | 3 | 2 |

OR

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| 6. | "Human resource management is like key function in management process" Justify your answer | 14M | 3 | 2 |
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UNIT-IV

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| 7. | Explain the function and role of financial Management in an Organization | 14M | 4 | 2 |
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OR

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| 8. | Explain and illustrate what you understand by network analysis. How would you compare PERT with CPM? | 14M | 4 | 2 |
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UNIT-V

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| 9. | What is Enterprise Resource Planning (ERP)? Explain the process ERP? | 14M | 5 | 2 |
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OR

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| 10. a) | Describe the characteristics of Just-In-Time systems. | 7M | 5 | 2 |
| b) | Give a brief account of the evolution of ERP. | 7M | 5 | 2 |

END

Code: 19A57CT

IV B.Tech. I Semester Regular Examinations Nov/Dec 2022

Design Patterns

(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	BL
UNIT-I			
1. a) What are the different ways in which patterns and frameworks share similarities and in which they differ? Discuss	7M	CO1	L1
b) Give the step-by-step approach to apply a design pattern effectively.	7M	CO1	L2
OR			
2. a) What is the basis for classifying design patterns? Categorize and tabulate the design patterns.	7M	CO1	L4
b) Illustrate with an example how a Design pattern solves the design problem?	7M	CO1	L3
UNIT-II			
3. a) Explain in detail about "supporting multiple window systems".	7M	CO2	L2
b) Explain the Spelling Checking and Hyphenation design problem in detail	7M	CO2	L1
OR			
4. a) Discuss about the supporting multiple window systems design problem.	7M	CO2	L2
b) Describe functionality of operations that are accessed indirectly through user operations	7M	CO2	L2
UNIT-III			
5. a) Discuss about implementation issues in builder design pattern	7M	CO3	L2
b) What are the implementation issues of prototype design pattern? Discuss.	7M	CO3	L2
OR			
6. a) Can we use an abstract factory for supporting multiple window system in Lexi's design? Explain.	7M	CO3	L3
b) Describe Singleton creational pattern .This uses a special method to instantiate objects. What is special about this method?	7M	CO3	L2
UNIT-IV			
7. a) Differentiate between adapter and bridge design pattern.	7M	CO4	L4
b) Explain the collaborations and consequences of Proxy pattern.	7M	CO4	L2
OR			
8. a) Explain the Motivation of Flyweight Pattern and when the Flyweight pattern effectively is applicable.	7M	CO4	L2
b) What is the intent and motivation of Façade pattern? Explain.	7M	CO4	L2
UNIT-V			
9. a) What is Command Pattern? Describe in detail about structure, participants and collaborations of Command pattern.	7M	CO5	L2
b) Explain the implementation issues of Visitor pattern with sample code	7M	CO5	L3
OR			
10. a) Describe the structure and participants of state design pattern	7M	CO5	L2
b) Discuss the implementation issues of Strategy behavioral pattern	7M	CO5	L3

END