

SECTION II**[TO BE ATTACHED TO THE MAIN ANSWER-BOOK]****M.Com DEGREE (CSS) PRIVATE EXAMINATION, MAY 2026****DO NOT WRITE YOUR REGISTER NUMBER OR NAME ANYWHERE IN****SECTION II OF THE QUESTION PAPER****CM010104 MCQ - MANAGEMENT OPTIMISATION TECHNIQUES**

Answer **all** questions.

All questions carry equal weight

Put a tick mark [✓] against the correct answer

1. represents a real life system.
(a) Simulation (b) Equations
(c) Model (d) None of these
2. The value of the coefficient of optimism (a) is needed while using the criterion of
(a) Equally Likely (b) Maximin
(c) Realism (d) None of these
3. The difference between the expected profit under conditions of risk and the expected profit with perfect information is called
(a) the expected value of perfect information (b) expected marginal loss
(c) All of the above (d) None of these
4. The expected value of perfect information (EVPI) is
(a) equal to expected regret of the optimal decision under risk (b) the utility of additional information
(c) maximum expected opportunity loss (d) None of these
5. A strategy that is best regardless of what rival players do is called
(a) First-mover advantage (b) Nash equilibrium strategy
(c) Dominant strategy (d) None of these
6. The full form of CPM is

- (a) Critical Path Method (b) Critical Plan Management
(c) Control Path Method (d) None of these

7. Which technique is used in finding a solution for optimizing a given objective, such as profit maximization or cost reduction under certain constraints?

- (a) Waiting line theory (b) Linear Programming
(c) Decision Theory (d) None of these

8. A matrix which shows the gains and losses resulting from moves and counter moves is called

- (a) Cost matrix (b) Pay off matrix
(c) Gain matrix (d) None of these

9. In LPP, the condition to be satisfied is

- (a) Constraints have to be linear (b) Objective function has to be linear
(c) Both (a) and (b) (d) None of these

10.specifies the objective or goal of solving the LPP.

- (a) Objective Function (b) Decision variables
(c) Constraints (d) None of these

11. Each participant of the game is called.....

- (a) Strategist (b) Winner
(c) Player (d) None of these

12. A game is said to be fair if the value of the game is.....

- (a) One (b) Two
(c) Zero (d) None of these

13. One disadvantage of using North-West Corner Rule to find initial solution to the transportation problem is that

- (a) It does not take into account cost of transportation. (b) It leads to degenerate initial solution.
(c) All of the above (d) None of these

14. When total supply is equal to total demand in a transportation problem, the problem is said to be

- (a) Balanced (b) Unbalanced
(c) Degenerate (d) None of these

15. In PERT, what type of distribution is used for time estimation?
- (a) Beta distribution (b) Poisson distribution
- (c) Exponential distribution (d) None of these
16. The occurrence of degeneracy while solving a transportation problem means that
- (a) Total supply equals total demand (b) The solution so obtained is not feasible
- (c) The few allocations become negative (d) None of these
17. The purpose of a dummy source or dummy destination in a transportation problem is to
- (a) prevent the solution from becoming degenerate. (b) obtain a balance between total supply and total demand.
- (c) make certain that the total cost does not exceed some specified figure. (d) None of these
18. If there is no non-negative replacement ratio in a solution which is sought to be improved, then the solution is
- (a) bounded (b) unbounded
- (c) alternative solution (d) None of these
19. If one or more values of the basic variable are zero, the solution is said to be
- (a) Degenerate (b) Non degenerate
- (c) Unbalanced (d) None of these
20. In graphical method, the bounded region as known asregion.
- (a) Basic Solution (b) Feasible Solution
- (c) Optimal Solution (d) None of these

No. of MCQ's Attempted :

Weight Score :

(To be entered by the examiner)

No. of MCQ's not Attempted :

**ATTACH SECTION II INTERNAL EXAMINATION MCQ PAPER
WITH THE MAIN ANSWER BOOK**