MTH601 MID TERM SOLVED MCQS
(VISIT VURANK FOR MORE)

1. The first step in a problem solving exercises in OR is the _____that exist in the system.

   Construction of the model of problem

   Identification o f the problem
   Solution of the problem

   None of these

2 .A requirement for the definition of the problem in OR is that _____must be clearly defined which helps to focus attention on what the problem is

   Method

   Objective
   Solution

   None of these

3 . In a network flow diagram, time follows from_____

   Left to right
   Right to left

   Any direction

4. The dummy activities consume

   No time,no resources
   No time but some resources

   Some resources in minimum time

   All resources in a given time

5. In a national highway system interestion of two or more roads has the same analogy as the _____in the network flow diagram.

   Branch

   Critical activity

   Flow

   Node

6. Best possible time estimate that a given activity would take under normal conditions which often exist, is called

Most likely time estimate
Pessimistic time estimate

Smallest time estimate

Activity time estimate

7. In _____, activity time estimates are distributed according to beta distribution

PERT
CPM

Project Network

Float

8. If we have 2,4 and 12 hours as the optimistic(t0) most likely (tm) and pessimistic(tp) then the expected time for the activity would be

7

6

5
4

9. If t0=2 tm=5 and tp=14 then SD=_____

2
4

6

8

10. IF t0=6,tm=12 and tp=18 then Vt=_____

12

2

4
144

11. The graphical method for solving a linear programming problem is applicable when _____

Two variables are involved
Three variables are involved

Any number of variables are involved

None of these

12.Which of the following is equivalent relation to the constraint x=2 of a linear programming problem?

X≥2

x≤2

x<2 and x≥2

x<2 and X>2

13. While using simplex method for a LPP if there are 4 standard equations in 8 variables then number of non basic variables will be _____

32

12

4

2

15. In the purchasing model without any shortage(Wilsonsmodel) which of the following quatitiy does not vary?

Supply

Demand

Inventory

Transportation cost

16. How many decision variables are involved in the inventory model with shortages?

One

Two

Three

Four

17. Which of the following rule is used in order to minimize the decision variables in any inventory model?

Derivative test

Simplex method

PERT

Graphical method

19. ABC analysis depends on the

Quality of materials

Cost of materials

Annual consumption value of materials

Quantity of materials used

(THE END)

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