Mth601

Quize no #1

Solved by eyesha jannat

Q1: In a development project, if an activity (i,j) of six days duration, starts late on 3rd day then which of the following will be its latest finish time?

Select correct option:

9th day

2nd day

3rd day

18th

2-Which of the following value is correct for the expected time of an activity having optimistic, pessimistic and most likely times as 4, 8 and 6 days respectively?

Select correct option:

6.66 days

9.33 days

6 days

4.66 days

In the relation of finding the expected time of an activity, most likely time is weighted more than the other optimistic and pessimistic times and these exist in the ratio of ----------.

Select correct option:

6:1

2:1

4:1

3:1

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4- While finding the Critical Path, in the phase of Late Start and Late Finish, we start from last node and the computations are performed from -------- up to the beginning event.

Select correct option:

right to left

left to right

top to bottom

bottom to top

5-In a Project Management, if the Critical activities of a network are delayed then ---------.

Select correct option:

project finish time will have to extend

project cost will increase

more resources have to employed

All above choices are equivalent

6- In PERT, the possible variation in activity times can be measured from ---------- of the corresponding Beta Distribution.

Select correct option:

Variance

Mean

Expected Time

Standard Deviation

7- In Project Management, Critical Path method is based on ---------- times.

Select correct option:

deterministic

probabilistic

stochastic

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serial

8- While identifying the Critical Path of a network flow diagram, the Late Start and Late Finish phase confirms that project start time is ----------.

Select correct option:

serial

zero

infinity

arbitrary

9- The network flow diagrams for PERT and CPM are same except for ----------.

Select correct option:

dummy activities

critical Path

initial and final events

activity times

10- Which of the following Probabilistic time in PERT has the same analogical meaning of Deterministic time (time to complete any activity) in CPM?

Select correct option:

Expected

Optimistic

Pessimistic

Most Likely

11- Which of the following is the objective of Project Management by using PERT and CPM methods, for any project subject to resource constraints?

Select correct option:

To minimize the project time

To maximize the total project profit

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To minimize the total project cost

To minimize the resource constraints

12- The task which is executed by the usage of resources and time is called ----------.

Select correct option:

node

event

project

activity

13- In a network flow diagram, two jobs (i,j) and (i,k) of '9'and '6' days duration leaves the node 'i' then which of the following will be Late start time for 'i', if it is provided that both (i,j) and (i,k) finish late on 12th and 8th day respectively?

Select correct option:

6th day

2nd day

3rd day

1st day

14- About which of the following it is true that, "they only signify with the passage of time, the beginning and ending of some activities under no consumption of resources" ?

Select correct option:

project

nodes

dummy

branch

15- A Critical Path in a network flow diagram --------.

Select correct option:

is unique

may at most two

depends on number of dummies

may be multiple

16-In a development project, if an activity (i,j) of six days duration, starts late on 3rd day then which of the following will be its latest finish time?

Select correct option:

9th day

2nd day

3rd day

18th day

17- while solving a network flow problem by PERT, which of the following type of time will be used to measure the length of Critical Path?

Select correct option:

Pessimistic

Expected

Most Likely

Optimistic

18- For any activity (i,j), if , a) Earliest start time of 'i' = Latest finish time of 'i', b) Earliest start time of 'j' = Latest finish time of 'j', c) difference of Earliest start times of events 'i' and ''j = difference of Latest finish times of events 'i'and 'j' = time to complete the job, then the activity (i,j) is said to be -------.

Select correct option:

dummy

critical

non-Critical

non of the above

19- In a project, a network diagram shows the precedence relations of inter related activities along with their corresponding activity ----------.

Select correct option:

times

cost

profit

quantity

20-The network flow diagrams for PERT and CPM are same except for ----------.

Select correct option:

dummy activities

critical Path

initial and final events

activity times

20-Which of the following relation is true among the probabilistic times in PERT?

Select correct option:

Most Likely < Optimistic < Pessimistic

Optimistic < Most Likely < Pessimistic

Most Likely < Pessimistic < Optimistic

Pessimistic < Most Likely < Optimistic

21-In the phase of Early Start and Early Finish, to find the Critical Path in a network flow diagram, the computations are proceeded from ---------- to the final event.

Select correct option:

bottom to top

right to left

left to right

top to bottom

22- Which of the following relation is correct for the Standard Deviation of an activity times having optimistic, pessimistic and most likely values as 4, 8 and 6 days respectively?

Select correct option:

0.666

01

0.147

7.111

23- In a project, a network diagram shows the ---------- relations of the inter related activities along with their corresponding activity times.

Select correct option:

deterministic and probabilistic

precedence or succession

union and intersection

dummy and artificial

24- In a network flow diagram, for an activity (i,j) of six days duration, if its Late Finish time is of nine days, then which of the following will be its Late Start time?

Select correct option:

Twelve days

Fifteen days

Three days

Six days

25- In PERT, the possible variation in activity times is measured from Standard Deviation which is ----------of the difference between Pessimistic and Optimistic times.

Select correct option:

one sixth

one fourth

one third

one fifth

26- In a network flow diagram, which of the following method through computations provides, i) start and completion times for each activity, ii) critical and non critical activities and iii) total and free slacks?

Select correct option:

Resource Scheduling

Resource Allocation

PERT

CPM

27- In the phase of Early Start and Early Finish, to find the Critical Path in a network flow diagram, for the first node(event), we start with time ----------.

Select correct option:

t = infinity

t = 0

t = a (arbitrary)

with strict positive value

28- f an activity has non-zero value of total float such that it can be further delayed to the length of slack without delaying the project, then it is said to be ---------

Select correct option:

dummy

critical

non-Critical

non of the above

29- In a network flow diagram, if two jobs ‘a(l,n)’ and ‘b(m,n)’ of ‘7’ and ‘8’ days durations respectively, start earlier simultaneously on 4th day, then the next activity containing ‘n’ as head event can’t start until the entering activity ---------- is completed.

Select correct option:

(m,n)

(l,n)

(m,l)

(l,m)