Started on	Tuesday, 11 January 2022, 4:00 PM
State	Finished
Completed on	Tuesday, 11 January 2022, 4:32 PM
Time taken	31 mins 35 secs
Marks	30.00/30.00
Grade	**5.00** out of 5.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

An activity in a network diagram is said to be _____ if the delay in its start will further delay the project completion time. activity in a network diagram is said to be

○ a. Non critical path

○ b. Critical Path

○ c. Crash

◉ d. Critical ✔

Your answer is correct.

The correct answer is:
Critical

Question **2**

Correct

Mark 1.00 out of 1.00

In sequencing problem, the order of completion of jobs is called job sequence

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question **3**

Correct

Mark 1.00 out of 1.00

Which of the following statement is wrong?

○ a. An event is an instantaneous point in time at which an activity begins or ends

○ b. An activity consumes time and resources whereas an event does not consume time or resources

◉ c. The turning of a job on lathe is an event whereas job turned is an activity ✔

○ d. The performance of a specific task is called an activity

Your answer is correct.

The correct answer is:

The turning of a job on lathe is an event whereas job turned is an activity

Question **4**

Correct

Mark 1.00 out of 1.00

Sequencing is a subset of Scheduling

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question **5**

Correct

Mark 1.00 out of 1.00

The time during which a machine remains waiting or vacant in sequencing problem is called_time.

- ○ a. processing
- ⦿ b. idle   ✔
- ○ c. free
- ○ d. waiting

Your answer is correct.

The correct answer is:
  idle

Question **6**

Correct

Mark 1.00 out of 1.00

_____and _____are techniques applied in project management.

- ○ a. decision theory& inventory models
- ○ b. assignment & transportation
- ○ c. game theory
- ⦿ d. cpm and pert   ✔

Your answer is correct.

The correct answer is:
cpm and pert

Question **7**

Correct

Mark 1.00 out of 1.00

The time by which the activity completion time can be delayed without affecting the start of succeeding activities, is known as

○ a. Total float

○ b. Interfering float

○ c. Duration

◉ d. Free float   ✔

Your answer is correct.

The correct answer is:
Free float

Question **8**

Correct

Mark 1.00 out of 1.00

The longest path in the network diagram is called

Answer: | critical path | ✔

The correct answer is: Critical Path

Question **9**

Correct

Mark 1.00 out of 1.00

The start or completion of task is called an activity

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question **10**

Correct

Mark 1.00 out of 1.00

If there are n jobs and m machines then the sequencing problem is to determine the optimum sequence is n!

Select one:

○ True

◉ False ✔

The correct answer is 'False'.

Question **11**

Correct

Mark 1.00 out of 1.00

Pick up the correct statement about relationship between various floats

◉ a. Independent float < free float   ✔

○ b. Independent float > free float

○ c. Free float = total float

○ d. Independent float = total float

Your answer is correct.

The correct answer is:
Independent float < free float

Question 12

Correct

Mark 1.00 out of 1.00

The time required by each job on each machine is called_____

- ○ a. processing ✔
- ○ b. idle
- ○ c. elapsed
- ○ d. average

Your answer is correct.

The correct answer is:
 processing

Question 13

Correct

Mark 1.00 out of 1.00

PERT stands for

- ○ a. Planning Estimation and Resulting Technique
- ● b. Program Evaluation and Review Technique ✔
- ○ c. Process Estimation and Review Technique
- ○ d. Program Estimation and Reporting Technique

Your answer is correct.

The correct answer is:
Program Evaluation and Review Technique

Question **14**

Correct

Mark 1.00 out of 1.00

CPM is the

○ a. Event oriented technique

◉ b. Activity oriented technique   ✔

○ c. Time oriented technique

○ d. Target oriented technique

Your answer is correct.

The correct answer is:
Activity oriented technique

Question **15**

Correct

Mark 1.00 out of 1.00

The performance of a specific task in CPM is known as

○ a. Event

◉ b. Activity   ✔

○ c. Dummy

○ d. Contract

Your answer is correct.

The correct answer is:
Activity

Question **16**

Correct

Mark 1.00 out of 1.00

Scheduling

○ a. Is concerned with starting of processes

○ b. Prescribes the sequence of operations to be followed

○ c. Regulates the progress of job through various processes

◉ d. Determines the programme for the operations   ✔

Your answer is correct.

The correct answer is:
Determines the programme for the operations

Question **17**

Correct

Mark 1.00 out of 1.00

Floats for critical activities will be always___.

◉ a. zero   ✔

○ b. same as duration of the activity

○ c. highest

○ d. one

Your answer is correct.

The correct answer is:
zero

Question **18**

Correct

Mark 1.00 out of 1.00

The probability distribution of activity times in PERT follows following distribution

○ a. Four time estimate

○ b. Binomial

○ c. Normal

◉ d. Beta ✔

Your answer is correct.

The correct answer is:
Beta

Question **19**

Correct

Mark 1.00 out of 1.00

The probabilistic time is given by (where to = Optimistic time, tp = Pessimistic time, and tn = Most likely time)

○ a. (to + 4tp + tn)/5

◉ b. (to + tp + 4tn)/6 ✔

○ c. (to + tp + tn)/3

○ d. (to + 2tp + tn)/4

Your answer is correct.

The correct answer is:
(to + tp + 4tn)/6

Question **20**

Correct

Mark 1.00 out of 1.00

The order in which machines are required for completing the jobs is called

_____.

○ a. machines order

○ b. working order

◉ c. processing order   ✔

○ d. job order

Your answer is correct.

The correct answer is:
 processing order

Question **21**

Correct

Mark 1.00 out of 1.00

An optimum project schedule implies

○ a. Timely execution of project

◉ b. Lowest possible cost and shortest possible time for project   ✔

○ c. To produce best results under given constraints

○ d. Optimum utilization of men, machines and materials

Your answer is correct.

The correct answer is:
Lowest possible cost and shortest possible time for project

Question **22**

Correct

Mark 1.00 out of 1.00

A dummy activity is used in PERT network to represent

Answer: Precedence Relationship ✔

The correct answer is: Precedence Relationship

Question **23**

Correct

Mark 1.00 out of 1.00

The time between the starting of the first job and completion of the last job in sequencing problems is called_.

○ a. idle time

○ b. total time

◉ c. elapsed time   ✔

○ d. assignment time

Your answer is correct.

The correct answer is:
 elapsed time

Question **24**

Correct

Mark 1.00 out of 1.00

The maximum time in which an activity will be completed assuming all possible delays and postponements is termed as_____

○ a. expected time

◉ b. pessimistic time ✔

○ c. optimistic time

○ d. most likely time

Your answer is correct.

The correct answer is:
pessimistic time

Question **25**

Correct

Mark 1.00 out of 1.00

Scheduling gives information about

○ a. That how idle time can be minimized

◉ b. When work should start and how much work should be completed during a certain period ✔

○ c. Proper utilization of machines

○ d. When work should complete

Your answer is correct.

The correct answer is:
When work should start and how much work should be completed during a certain period

Question **26**

Correct

Mark 1.00 out of 1.00

If an activity has zero slack, it implies that_____

○ a. the project is progressing well

○ b. it lies a non critical path

◉ c. it lies on the critical path   ✔

○ d. it is a dummy activity

Your answer is correct.

The correct answer is:
it lies on the critical path

Question **27**

Correct

Mark 1.00 out of 1.00

In CPM network, the critical path is

○ a. None of the option

○ b. Shortest Path

◉ c. Longest Path   ✔

○ d. Average Path

Your answer is correct.

The correct answer is:
Longest Path

Question **28**

Correct

Mark 1.00 out of 1.00

The same order of jobs is maintained over each machine. If n jobs are to be processed through two machines A and B in the order AB, then this means that each job will go to machine A first and then to B. This rule is called No passing Rule

Select one:

◉ True ✔

○ False

The correct answer is 'True'.

Question 29

Correct

Mark 1.00 out of 1.00

The time of completing a project in network analysis is given by following time of the critical activity meeting at the final triode

○ a. Early start

○ b. Late start

◉ c. Early finish   ✔

○ d. Late finish

Your answer is correct.

The correct answer is:
Early finish

Question 30

Correct

Mark 1.00 out of 1.00

CPM has following time estimate

○ a. Three time estimate

○ b. Two time estimate

○ c. Four time estimate

◉ d. One time estimate   ✔

Your answer is correct.

The correct answer is:
One time estimate

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