

Unit 8 - Week 7

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Project Scheduling

Network Diagrams

Critical Path Method

Critical Path Method: Problems-I

Critical Path Method: Problems-II

Quiz : Assignment 7

Solution For Assignment 7

Week 8

Week 9

Week 10

Week 11

Week 12

Text Transcripts

DOWNLOAD VIDEOS

WEEKLY FEEDBACK

Assignment 7

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-03-18, 23:59 IST.

1) The critical path method of project scheduling is a mathematical based algorithm for scheduling a set of project activities. **1 point**

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

2) Dummy activity is represented by a dotted arrow and does not consume any time and resource. **1 point**

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

3) The rules for drawing the network diagram are; **1 point**

- Each activity is represented by one and only one arrow in the network
- Precedence relationships among all activities must always be maintained
- Dummy activities can be used to maintain precedence relationships only when actually required. Their use should be minimized in the network diagram

- 1, 2 and 3
 2 and 3
 1 and 3
 1 and 2

No, the answer is incorrect.
Score: 0

Accepted Answers:
1, 2 and 3

4) The Critical Path Method (CPM) of project scheduling is activity oriented. **1 point**

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

5) Which of the following is NOT TRUE regarding the CPM; **1 point**

- It is deterministic in nature
 It is probabilistic in nature
 It follows normal distribution
 It is used for civil engineering construction projects

No, the answer is incorrect.
Score: 0

Accepted Answers:
It is probabilistic in nature

6) In a project, tasks A, B, C, D, E, F, G, H, I and J are to be performed. The precedence relationships and the time required (in days) to complete the tasks are given in the table. **1 point**

Tasks	A	B	C	D	E	F	G	H	I	J
Time (Days)	8	10	8	10	16	18	18	14	9	4
Preceding tasks	-	-	-	A	A	B, D	C	C	F, G	E, I, H

The time required (in days) to complete the project along the critical path is;

- 49
 41
 58
 39

No, the answer is incorrect.
Score: 0

Accepted Answers:
49

7) The steps involved in critical path method are given below; **1 point**

- Find the critical path
- Construct the network
- Compute the earliest expected time (TE) and latest allowable time (TL) for each activity

Select the correct sequence of steps involved.

- 1-2-3
 2-3-1
 3-1-2
 2-1-3

No, the answer is incorrect.
Score: 0

Accepted Answers:
2-3-1

8) Which of the following are the salient features of a project; **1 point**

- A project has identifiable beginning and end points
- A project is usually large and complex and has many interrelated activities
- A project is scheduled to be completed by target date

- 1 and 3
 1 and 2
 1, 2 and 3
 2 and 3

No, the answer is incorrect.
Score: 0

Accepted Answers:
1, 2 and 3

9) A network is the graphical representation of the project activities arranged in a logical sequence and depicting all the interrelationships among them. **1 point**

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

10) Choose the correct statements in context of project scheduling. **1 point**

- Activity (task) is a work component needed to be accomplished
- Events designate the beginning and/or ending of activities
- A network consists of activities and events.

- 1 and 2
 1 and 3
 2 and 3
 1, 2 and 3

No, the answer is incorrect.
Score: 0

Accepted Answers:
1, 2 and 3