

X


[swayam \(https://swayam.gov.in\)](https://swayam.gov.in)

[NPTEL \(https://swayam.gov.in/nc_details/NPTEL\)](https://swayam.gov.in/nc_details/NPTEL)

reviewer4@nptel.iitm.ac.in ▾

[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » [Project management for managers \(course\)](#)
[Announcements \(announcements\)](#) [About the Course \(https://swayam.gov.in/nd1_noc19_mg31/preview\)](#)
[Ask a Question \(forum\)](#) [Progress \(student/home\)](#) [Mentor \(student/mentor\)](#)

Unit 11 - Week-10

Course outline

How to access the portal

Week-1

Week-2

Week-3

Week-4

Week-5

Week-6

Week-7

Week-8

Week-9

Week-10

- ☐ Lesson-46 Slacks & Floats- II (unit? unit=77&lesson=78)
- ☐ Lesson-47 Time and Cost Relationship (unit? unit=77&lesson=79)
- ☐ Lesson-48 Crashing of Networks- I (unit? unit=77&lesson=80)

Assignment 10

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

Due on 2019-10-09, 23:59 IST.

1) Pick the right statement

1 point

- ☐ Crash cost / time period = (crash cost- normal cost) / (normal time- crash time)
- ☐ Crash cost / time period = (normal cost – crash cost) / (normal time- crash time)
- ☐ Crash cost / time period = (normal time- crash time) / (normal cost – crash cost)
- ☐ Crash cost / time period = (crash cost –normal cost) / (crash time – normal time)

No, the answer is incorrect.

Score: 0

Accepted Answers:

Crash cost / time period = (crash cost- normal cost) / (normal time- crash time)

2) Area under the beta – distribution curve is divided into two equal parts by

1 point

- ☐ Most likely time
- ☐ Optimistic time
- ☐ Pessimistic time
- ☐ Expected time

No, the answer is incorrect.

Score: 0

Accepted Answers:

Expected time

3) Economic saving of time results by crashing

1 point

- ☐ Cheapest critical activity
- ☐ Cheapest non-critical activity
- ☐ Costliest critical activity
- ☐ Costliest non-critical activity

No, the answer is incorrect.

Score: 0

Accepted Answers:

- ☐ Lesson-49
Crashing of
Networks II (unit?
unit=77&lesson=81)
- ☐ Lesson-50
Crashing of
networks- III (Free
Float Method)
(unit?
unit=77&lesson=82)
- ☐ Quiz :
Assignment 10
(assessment?
name=123)
- ☐ Feed back week-
10 (unit?
unit=77&lesson=83)

Week-11**Week-12****DOWNLOAD
VIDEOS****Text Transcription****WEEKLY
FEEDBACK FORM***Cheapest critical activity*

4) Crash project duration is obtained by summing the

1 point

- ☐ Normal durations for all the activities
- ☐ Crash durations for all activities
- ☐ Crash duration for all the activities along the critical path obtained by taking into account the normal durations for all the activities
- ☐ Crash duration for all the activities along path obtained by taking into account the crash durations for all the activities

No, the answer is incorrect.

Score: 0

Accepted Answers:

Crash duration for all the activities along path obtained by taking into account the crash durations for all the activities

5) A project has three independent critical paths A, B and C. to reduce the project length, we have to shorten

1 point

- ☐ The activities of A
- ☐ The activities of B
- ☐ The activities of C
- ☐ The activities of A, B and C simultaneously

No, the answer is incorrect.

Score: 0

Accepted Answers:

The activities of A, B and C simultaneously

6) Questions 6 to 8 are linked questions use following data. The following table gives data on normal time, and cost and crash time and cost for a project.

1 point

Activity	Normal		Crash	
	<i>Time(weeks)</i>	<i>Cost (Rs)</i>	<i>Time(weeks)</i>	<i>Cost (Rs)</i>
1 – 2	3	300	2	400
2 – 3	3	30	3	30
2 – 4	7	420	5	580
2 – 5	9	720	7	810
3 – 5	5	250	4	300
4 – 5	0	0	0	0
5 – 6	6	320	4	410
6 – 7	4	400	3	470
6 – 8	13	780	10	900
7 – 8	10	1000	9	1200

With the help of network diagram, what are the critical path of the project

- ☐ .1-2-5-6-7-8
- ☐ 1-2-4-5-6-7-8
- ☐ 1-2-3-5-6-8
- ☐ 1-2-3-5-6-7-8

No, the answer is incorrect.

Score: 0

Accepted Answers:

.1-2-5-6-7-8

7) What are the normal project duration and associated cost?

1 point

- ☐ 31weeks, Rs. 4820
- ☐ 30 weeks, Rs. 6820
- ☐ 29 weeks, Rs. 5820

☐ 32 weeks, Rs. 5820

No, the answer is incorrect.

Score: 0

Accepted Answers:

32 weeks, Rs. 5820

8) Crash the relevant activities systematically and determine the optimal project completion time and cost. **1 point**

☐ 30 weeks, Rs. 5805

☐ 29 weeks, Rs. 5805

☐ 28 weeks, Rs. 5815

☐ 31 weeks, Rs. 5815

No, the answer is incorrect.

Score: 0

Accepted Answers:

29 weeks, Rs. 5805

9) **Questions 9 to 10** are linked questions use given data. The following is a table showing details of a project. **1 point**

Activity	Immediate Predecessor	Normal		Crash	
		Time (weeks)	Cost (Rs. '000)	Time (weeks)	Cost (Rs. '000)
A	-	10	20	7	30
B	-	8	15	6	20
C	B	5	8	4	14
D	B	6	11	4	15
E	B	8	9	5	15
F	E	5	5	4	8
G	A, D, C	12	3	8	4

The indirect cost is Rs. 400 per day.

Find the optimum duration after crashing of project.

☐ 19 weeks

☐ 18 weeks

☐ 20 weeks

☐ 21 weeks

No, the answer is incorrect.

Score: 0

Accepted Answers:

19 weeks

10) Find the associated minimum project cost after crashing. **1 point**

☐ Rs. 1,32,200

☐ Rs. 1,32,800

☐ Rs. 1,33,600

☐ Rs. 1,37,400

No, the answer is incorrect.

Score: 0

Accepted Answers:

Rs. 1,32,200

