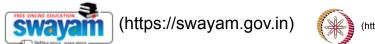
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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Project management for managers (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1\_noc19\_mg31/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

## Unit 9 - Week-8

Course outline	Assignment 8
How to access the portal	The due date for submitting this assignment has passed. Due on 2019-09-25, 23:59 IST. As per our records you have not submitted this assignment.
Week-1	PERT analysis computes the variance of the total project completion time as:     1 point
Week-2	<ul> <li>The sum of the variance of all activities in the project</li> <li>The sum of the variance of all activities on the critical path</li> </ul>
Week-3	The sum of the variance of all activities not on the critical path he variance of the final activity of the project
Week-4	No, the answer is incorrect. Score: 0
Week-5	Accepted Answers: The sum of the variance of all activities on the critical path
Week-6	2) An activity has an optimistic time 15 days, a most likely time of 18 days, and a pessimistic time <b>1</b> point
Week-7	27 days. What is its expected time?
Week-8	<ul><li>18 days</li><li>19 days</li></ul>
Lesson-36 Project Time Management- PERT Networks (unit? unit=61&lesson=62)	20 days 21 days No, the answer is incorrect. Score: 0 Accepted Answers: 19 days
Lesson-37 Project Time Management-	3) An activity has an optimistic time 11 days, a most likely time of 15 days, and a pessimistic time <b>1</b> point of 23 days. What is its variance?

CPM (unit?	15.6					
unit=61&lesson=63)	0 16.33					
Clesson-38	O 4					
Project Time						
Management-	© 2					
Laddering in	No, the answer is incorrect.					
PERT/CPM	Score: 0					
(unit? unit=61&lesson=64)	Accepted Answers:					
unit-0101033011-04)	4					
Clesson-39	4) A project's critical path is com	nposed of activities A, B	and C. Activity A has st	andard deviation 1 point		
Probability	of 2,					
Models in Networks- I	activity B has a standard	activity B has a standard deviation of 1, and activity C has a standard deviation of 2.				
(unit?	What is the standard dev	What is the standard deviation of the critical path?				
unit=61&lesson=65)						
	O 9					
Clesson-40 Probability	O 5					
Model in	<b>3</b>					
Networks- II	25					
(unit?						
unit=61&lesson=66)	No, the answer is incorrect. Score: 0					
O Quiz :	Accepted Answers:					
Assignment 8	3					
(assessment?	5) la DEDT/ODM alast (inclin			4		
name=121)	5) In PERT/CPM, slack time is :			1 point		
Feedback week-	Is the amount of time a tas	sk may be delayed with	out changing the overall	project completion time		
8 (unit?	Is the latest time an activit					
unit=61&lesson=67)			t delaying the entire proje	<del>s</del> ci		
	Is a task or subproject tha	•				
Week-9	<ul> <li>Marks the start or complet</li> </ul>	tion of a task				
W1-40	No, the answer is incorrect.					
Week-10	Score: 0					
Wook 44	Accepted Answers:	av ha dalawad without a	hanging the averall proje	at completion time		
Week-11	Is the amount of time a task ma	ay be delayed without c	nanging the overall proje	ct completion time		
Week-12	6) Four experts A, B, C, D e	examined an activity	and arrived at the foll	lowing time 1 point		
Week-12	estimates.					
DOWNLOAD	Determine which exper	t is more certain abo	out his estimates of tin	ne:		
VIDEOS	Experts		Time Estimate			
VID200		$t_o$	$t_m$	$t_p$		
Text	A	4	6	8		
Transcription	В	4	7	10		
·	С	5	8	12		
WEEKLY	D	4	7	11		
FEEDBACK						
FORM	○ A					
	ОВ					
	ОС					
	O D					
	No, the answer is incorrect. Score: 0					
	Accepted Answers:					
	A					
	7)			0 noints		
				unointe		

Questions 7 to 10 are linked questions use given data (use normal probability distribution table

for appropriate question, you can refer to video for table or other resources). A project consists of seven activities with the following time estimates.

Activity	Predecessor activity	Optimistic time estimate (t <sub>o</sub> )	Most likely time estimate (t <sub>m</sub> )	Pessimistic time estimate (t <sub>p</sub> )
A	-	2	5	8
В	A	2	3	4
С	A	6	8	10
D	A	2	4	6
Е	В	2	6	10
F	С	6	7	8
G	D, E, F	6	8	10

	G	D, E, F	6	8	10
Determ	ine the critical p	oath of the project.		,	_
0 1	-2-3-5-6				
0 1	-2-4-5-6				
0 1	-2-5-6				
	nefficient data prov	vided			
No, th Score	ne answer is incorre	ect.			
Accep 1-2-4	oted Answers: -5-6				
8) Find	out the time requi	red to complete the p	project.		1 point
0 2	22 weeks				
0 2	28 weeks				
0 1	7 weeks				
O 1	None of the above				
No, th Score	ne answer is incorre	ect.			
Accep 28 we	oted Answers: eeks				
9) Find	out the standard of	deviation of the proje	ct.		1 point
0 1	.414				
0 2	2.414				
0 1	.69				
O 2	2.25				
No, th Score	ne answer is incorre	ect.			
Accep 1.414	oted Answers:				
10Find	I the probability tha	at the project will be o	completed in 30 wee	ek or less.	1 point
O 0	0.92				
O 0	).65				
00	).95				
O 0	0.98				
No, th	ne answer is incorre	ect.			

Accepted Answers: 0.92