Here, all questions are of MCQ type. You will get marks only when the correct option, for given question, is ticked.	or u
The respondent's email (maharana.2@litj.ac.in) was recorded on submission of this for	m.
Roll no. *	
M20AIE252	
Systems engineering does seek the best possible system, which, however, is often not the one that provides the best performance	1/1
<ul><li>Ture</li></ul>	
☐ False	
Telephone is an innovation, but smart phone is an invention	1/1
○ True	
False	
Technology Road mapping is	1/1
The depiction of the present technology that has come to the market	
The depiction of mission statement of the present technology	
The way the marketing of the present technology to be carried out	
The depiction of strategy for future development of present technology	
Sir C V Raman received Nobel Prize for developing spectrometer which is now available as Laser Raman. Thus, the equipment 'Laser Raman' is an innovation	1/1
True	
○ False	
The systems engineer working on a project will plan, monitor, confront risk, and deliver the technical aspects of the project, while the project manager is concerned with all activities, including technical activities, to be integrated and controlled during the life of the project.	1/1
True	
False	
Basic research where commercialization is not possible can not be considered as technology with TRL-2	1/1
<ul><li>True</li></ul>	
○ False	
The Technologies that can't be commercialized even after qualifying for TRL-4 are fall under	1/1
O Valley of heaves	
( ) valley of neaven	
Valley of heaven  • Valley of death	

Valley of corporate world	
The four project constraints are	1/1
a) Scope, People, Cost, Schedule	
b) Scope, Location, Quality, Cost	
c) Scope, Planning, Schedule, Quality	
(a) Scope, Cost, Schedule, Quality	
The working domain of Systems Engineer and Project Manager may	1/1
a) fully overlap	
) partially overlap	
C) two disjoined set	
(a) all of the above	
IIT jodhpur has an incubation Centre named Technology Innovation and Start-Centre (TISC). It provides the incubate	up 2/2
(a) Space for carrying out activities	
(b) Legal advice	
(c) Space for meeting and conferences	
(d) All of the above	
The Technology Road mapping was first used by the company	1/1
a) Samsung	
b) Motorola	
C) Voltas	
O d) Apple	
The major funding agency for the development of a technology to its TRL-7 an above are from	nd 1/1
(a) Government sector	
(b) Private sector	
(c) Public sector undertaking	
(d) None of the above	
Systems Engineer is more an Engineer with adequate knowledge of	0/1
a) historian and curiosity of a scientist	
b) a doctor and curiosity of a scientist	
d) a mathematician and curiosity of an Engineer	
d) Mathematician and curiosity of a scientist	
A Computer Systems Engineer	1/1
a) Understands the underlying concepts of computers,	
b) Creates improvements on current processes and equipment,	

c) Integrates hardware and software programs and concepts	
(a) all the above	
The full form of IRL in the contest of technology development is	1/1
a) Indian Railway Line	
b) Income Related Ledger	
C) Institute Readiness Level	
d) Industry Readiness Level	
The success of a system engineer is	1/1
a) the success of individual	
b) the success of project manager	
c) the success of the system	
( d) the success of the CEO	
"Adding manpower to a late software project makes it later" is known as	/1
a) Brooks' law	
b) Snell's law	
c) Kepler's law	
d) None of the above	
In all productive processes, adding more of one factor of production (attribute), while holding all others constant, will at some point yield lower incremental per- unit returns. This law is known as	
a) Law of incremental returns	
b) Law of diminishing returns	
C) Law of no returns	
d) None of the above	
Mark the wrong statement:	2/2
A project is a set of activities that can be performed in a certain logical sequence.	
A network is a graphic portrayal of the independency relationship among the activities of a project.	
An arrow representing an activity can have any length and shape.	
An activity cannot be represented by more than one arrow, but an arrow can represent one or more activities.	
All technologies that qualifies for Proof of Concept in the laboratory scale, are going to be commercialized	1/1
○ True	
False	
Mark the wrong statement.	0/1
Forward pass calculations yield the earliest and the latest start and finish times of	

The difference between the latest and the earliest finish times is the total slack.	
Backward pass determines the latest start and the latest finish.	
Determination of the earliest and the latest start time of various activities of a project is useful for proper planning of their execution.	
project to decid for proper planning of their exceditors.	
Mark the wrong statement.	0/1
The state of the s	0, 1
All activities on a critical path are critical activities.	
A project network may have none, one, or more critical paths.	
A delay in critical activity surely delays the completion of the project.	
Each critical activity has identical earliest and the latest start times.	
Which of the following is not correct in respect of PERT calculations?	0/1
which of the following is not confect in respect of PERT calculations:	0/1
The expected time of an activity is a weighted average of three times estimates, a	
m, and b, with respective weights of 1, 4, and 1.	
The completion of the project using the PERT method follows a normal distribution	1.
The target time minus the expected time divided by standard deviation is the z val	ıe
The sum total of variances of critical activity times gives the variance of the overa	I
project completion time.	
Civen associated disection of the project - 47 days variance - 0 days. What is the	2/2
Given, expected duration of the project = 47 days, variance = 9 days. What is the probability of not completing the project in 50 days? if Z = 0.33, area=0.1293	3/3
and for z=1, area=0.3413.	
0.000	
0.6293	
0.8413	
<ul><li>0.1587</li></ul>	
0.576	
The function of systems engineering is to	1/1
a) Guide the engineering of simple system	
b) Guide the engineering of complex systems	
c) Guide the engineering to address risk related problems only	
d) Guide the engineering to solve financial problem	
CPM is	1/1
Critical Project Management	
Critical Path Method	
Critical Path Method     Critical Path Management	
Critical Path Management	
Critical Path Management	
Critical Path Management Crash Project Method	1/1
Critical Path Management	1/1
Critical Path Management Crash Project Method	1/1
Critical Path Management Crash Project Method  Which of the following statements is not correct?	1/1
Critical Path Management Crash Project Method  Which of the following statements is not correct?  PERT is probabilistic in nature  CPM is probabilistic in nature	1/1
Critical Path Management Crash Project Method  Which of the following statements is not correct?  PERT is probabilistic in nature  CPM is probabilistic in nature  CPM and PERT use similar terminology but were developed independently	1/1
Critical Path Management Crash Project Method  Which of the following statements is not correct?  PERT is probabilistic in nature  CPM is probabilistic in nature	1/1

	schedules grow out of the basic documents that initiate a project.  a) True  b) False	
(a)		
( B)		
		2/2
	s the amount of time an activity can be delayed from its early start without dela ned project finish date?	ying
a) 1 b) I c) 1	Fotal Slack Free Float Fotal Time Free Slack	
<ul><li>a</li><li>B</li></ul>		
() c		
		0/2
Project	managers often illustrate progress with a(n) showing key deliverables and	
activitie		
b) (	Gantt Chart Network Diagram	
	Pert Chart	
(a)		
(B)		
(C)		
( D)		
		0/2
depe	ndencies involve relationships between project and non-project activities.	0/2
a) N	Mandatory	0/2
a) n b) i c) i	Mandatory Discretionary External	0/2
a) n b) i c) i	Mandatory Discretionary	0/2
a) n b) i c) i	Mandatory Discretionary External	0/2
a) n b) r c) n d) r	Mandatory Discretionary External	0/2
a) M b) I c) E d) I	Mandatory Discretionary External	0/2
a) M b) I c) E d) I  a) B)	Mandatory Discretionary External	0/2
a) M b) I c) H d) I  a) B) o c)	Mandatory Discretionary External	
a) M b) I c) E d) I  a) B) c) D)	Mandatory Discretionary External Internal	
(a) M (b) I (c) F (d) I	Mandatory Discretionary External	2/2
(a) M (b) I (c) F (d) I	Mandatory Discretionary External Internal  s a network diagramming technique used to predict total project duration? Critical Path Analysis Critical Chain Scheduling	
(a) M (b) I (c) F (d) I (d) I (e) G (f) G	Mandatory Discretionary External Internal  s a network diagramming technique used to predict total project duration? Critical Path Analysis Critical Chain Scheduling	
(a) M (b) I (c) F (d) I (d) I (a) (a) (b) (c) (c) (a) (a)	Mandatory Discretionary External Internal  s a network diagramming technique used to predict total project duration? Critical Path Analysis Critical Chain Scheduling	

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