A set of feasible solution to a Linear Programming Problem is

convex		
polygon		
triangle		
bold		

Operations Research approach is	
scientific	
intuitive	
collect essential data	
multi-disciplinary	
A feasible solution to a linear programming problem _	2 р
must satisfy all the constraints of the problem simultar	neously
need not satisfy all of the constraints, only some of them must	be a
mid point of the feasible region.	

infeasible	
bounded no	
solution	
Unbounded	
An optimal assignment requires that the maximum number of lines which can be drawn through squares with zero opportunity cost should be equal to the number of	2 points
rows and columns.	
rows + columns.	
rows or columns.	
rows + columns - I	
To proceed with the Modified Distribution method algorithm for solving an transportation problem, the number of dummy allocations need to be added are	2 points
n	
n + I	
n * n	

If any value in XB column of final simplex table is negative, then the solution2ipoints

In an Linear Programming Problem functions to be maximized or	2 points
minimized are called	
constraints	
objective function	
basic solution	
feasible solution	
The coefficient of slack\surplus variables in the objective function are	2 points
always assumed to be	2 points
diways assumed to be	
$\bigcirc$ M	
<b>0</b>	
M	

transportation Problem	
Game Problem	
travelling salesman problem	
replacement Problem	
To resolve degeneracy at the initial solution, a very small quantity is	2 points
allocated incell	
occupied	
unoccupied	
no	
finite	
PERT analysis is based on	2 points
Time	
Location	
Project	

2 points

An assignment problem is a particular case of

) Cost

Which of the option is not a notable challenge while scheduling a project?	2 points
Mark only one oval.	
Deadlines exist.  Independent activities.	
Too many workers may be required.	
Costly delay	
The particular task performance in CPM is known	2 points
Mark only one oval.	
Dummy	
Event	
Activity	
Contract.	
The earliest start time rule	2 points
Compares the activities starting time for an activity successor.	
Compares the activities end time for an activity predecessor.	
Directs when a project can start.	
Regulates when a project must begin.	
The critical path	2 points
Is a path that operates from the starting node to the end node	
Is a mixture of all paths.	
Is the longest path	
Is the shortest path	

Planning tasks associated with job scheduling, machine loading, and dispatching typically falls under	2 points
Mark only one oval.	
long-range plans	
intermediate-range plans	
short-range plans	
mission-related planning	
Which of the following statements regarding PERT times is true?	2 points
Optimistic time estimate is an estimate of the minimum time an activity will require.	
Optimistic time estimate is an estimate of the maximum time an activity will require.	
The probable time estimate is calculated as $t = (a + 4m + b)/6$ .	
Pessimistic time estimate is an estimate of the minimum time an activity will require.	
Which of the following statements regarding critical paths is true?	2 points
The shortest of all paths through the network is the critical path.	
Some activities on the critical path may have slack.	
Every network has exactly one critical path.	
On a specific project, there can be multiple critical paths, all with exathe same duration.	ctly

In game theory, the outcome or consequence of a strategy is referred to as the	2 ро
payoff.	
penalty.	
reward.	
end-game strategy.	
Activities A, B, and C are the immediate predecessors for Y activity. If the earliest finish times for the three activities are 12, 15, and 10, then the earliest start time for Y will be	2 point
I2	
15	
<u> </u>	
Activities P, Q and R instantly follow activity M, and their current start times are 12, 19, and 10. Therefore, the latest finish time for activity M is	2 points
Can not be determined	
<u> </u>	
☐ lo	

The full form of PERT is	2 points
Program Evaluation and Rate Technology	
Program Evaluation and Robot Technique	
Program Evaluation and RobotTechnology	
Program Evaluation and Review Technique	
_ are used to represent activity in a network (PERT) diagram.	2 points
Circles	
Squares	
Rectangles	
Arrows	
The shortest possible time in which an activity of PERT can be achieved	2 points
under ideal circumstances is known as	
Pessimistic time estimate	
Optimistic time estimate	
Expected time estimate	
The most likely time estimate	

must sat	isfy all the constraints of the problem simultaneously	
need not s	satisfy all of the constraints, only some of them	
must be a	mid point of the feasible region.	
must optin	nize the value of the objective function	
If any value in >	(B column of final simplex table is negative, then the	2 poii
infeasible		
bounded		
no solution	n	
Unbounded	d	
rows and o	columns.	
orows + col	lumns.	
or cows or c	columns.	
rows + col	lumns - I	
	lowing statements regarding critical paths is true? of all paths through the network is the	2 poii
crit	ical path.	<b>-</b> po
T Som	ne activities on the critical path may have	
h slac	k.	
e Ever	ry network has exactly one critical path.	
	a specific project, there can be multiple critical paths, all actly the same duration.	
h		
0		

r

To proceed with the Modified Distribution method algorithm for solving		
an transportation problem, the number of dummy allocations need to be		
added are		
n		
n - I		
n + I		
The coefficient of slack\surplus variables in the objective function are always assumed to be	2 points	
Mark only one oval.		
$\bigcirc$ M		
<b>0</b>		
An assignment problem is a particular case of	2 points	
transportation		
Problem		
Game Problem		
travelling salesman problem		
replacement Problem		

To resolve degeneracy at the allocated in	ne initial solution, a very small quantity iscell	2 points
occupied		
unoccupied		
no		
finite		
The particular task perform	nance in CPM is known	2 points
Dummy		
Event		
Activity		
Contract.		
Contracts		
The earliest start time rule		2 points
Compares the activities	starting time for an activity successor.	
Compares the activit	cies end time for an activity	
predecessor.		
Directs when a project	can start.	
Regulates when a proje	ect must begin.	

The critical path	2 points
Is a path that operates from the starting node to the end node	
Is a mixture of all paths.	
Is the longest	
path	
Is the shortest path	
Planning tasks associated with job scheduling, machine loading, and dispatching typically falls under	2 points
long-range plans	
intermediate-range plans	
short-range plans	
mission-related planning	
Which of the following statements regarding PERT times is true?	2 points
Optimistic time estimate is an estimate of the minimum time an activity will require.	
Optimistic time estimate is an estimate of the maximum time an activity will require.	
The probable time estimate is calculated as $t = (a + 4m + b)/6$ .	
Pessimistic time estimate is an estimate of the minimum time an activity will require.	

In game theory, the outcome or consequence of a strategy is referred to 2			
as the			
payo	off.		
penal	ty.		
rewai	rd.		
end-g	game strategy.		
earliest fin	A, B, and C are the immediate predecessors for Y activity. If the ish times for the three activities are 12, 15, and 10, then the art time for Y will be	2 points	
carnest ste			
<u> </u>			
15			
10			
The full for	rm of PERT is		
	am Evaluation and Rate Technology	2 points	
	Program Evaluation and Robot Technique		
P	Program Evaluation and Robot Technology		
r	Program Evaluation and Review Technique		
<u> </u>			
g			
r			
Р			
r			
0			
g			

r

Activities P, Q and R instantly follow activity M, and their current start times are 12, 19, and 10. Therefore, the latest finish time for activity M is	2 points
<u> </u>	
Can not be determined	
I2	
☐ lo	

	are used to represent activity in a network (PERT) diagram.	2 points
Ci	rcles	
Sq	uares	
Re	ectangles	
	rrows	

The shortest possible time in which an activity of PERT can be achieved	2 points
under ideal circumstances is known as	
Pessimistic time estimate	
Optimistic time estimate	
Expected time estimate	
The most likely time estimate	
The difference between the maximum time available and the actual time	2 points
needed to perform an activity is known as	
Free float	
Independent float	
Total float	
Half float	
2 points	

Р

 $\bigcirc$  u

()r

( ) e

s

t

r

a

t

e

g

у

f

a

i

r

S

t

r

a

t

е

g

y

Р

u

r

е

If the value of the game is zero, then the game is known as

Fair game	
non-zero sumgame	
unfair game	
zero sum game	
In northwest corner method allocation are made	2 points
Starting from the left hand side top corner	
Starting from the right hand side top corner	
Starting from the lowest cost cell	
Starting from the left hand side bottom corner	
While solving an assignment problem, an activity is assigned to a	
resource through a square with zero opportunity cost because the	
objective is to	
reduce the cost of assignment to zero	
minimize total cost of assignment.	
. reduce the cost of that particular assignment to zero	
reduce total cost of assignment	

1	Google
E	
m	
P	
t	
у	
С	
e	
1	

Google