

MCQs

Q1. Expected time can be calculated using the formula,

1. $A+6m+b/6$
2. $a+4m+b/6$
3. $4a+m+b/6$
4. $a+4m+b/4$

Q2. If $b=8$ and $a=2$ the what is the variance?

1. 2
2. 1
3. 2.5
4. 1.5

Q3. 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

1. 10
2. 15
3. 12
4. Can not determine

Q4. If duration (t) of an activity is 5 units, EST is 3 units, EFT is 8 units, LST is 9 units, and LFT is 14 units then TF is equal to:

1. 5
2. 6
3. Can not determine
4. 8

Q5. Earned value analysis curves are of shapes:

1. S type
2. C type
3. Z Type
4. Any of these

Q6. In a project there are 3 paths: A-B-C, A-D-E-F, and G-H-I with durations 30,30 and 28. For each activity slope of crashing is 5 and max. reduction is 3 second step is to crash

1. A and G by 1 each
2. A by 1
3. I by 1
4. G by 1

Q7. If PAT =50, depreciation =10, interest=5, repayment= 8 then ICR =

1. 10
2. 20
3. 11
4. 15

Q8. SPV means

1. special person valuable
2. social purpose vault
3. special purpose vehicle
4. safe process vent

Q9. A ____ is a set of activities which are networked in an order and aimed towards achieving the goals of a project.

1. Project
2. Process
3. Project management
4. Project Cycle

Q10. If the demand for January is 30 units, February is 25 units and March is 20 units, then calculate 3 monthly weighted moving averages of April with weights as 3:2:1. The largest being the most recent value.

1. 19.89
2. 24.58
3. 21.75
4. 22.85

Q11. NPV if initial investment is 500 & cash inflow are 50, 75, 125, 225, 300 . Assume rate of discounting is 10% per annum.

1. 775
2. 275
3. 541
4. 41

Q12. Find out the all activities involved in critical path. A-B, A-C, B-D, C-D, C-E, D-E activity time as followed 5, 2, 3, 8, 2, 1 in weeks.

1. A-C-D-E
2. A-B-D-E
3. A-C-E
4. A-B-C-E

Q13. Total Float can be calculated using the formula:

1. LST-EST
2. LFT-EFT
3. Neither a or b
4. Both a and b

Q14. In a project there are 3 paths: A-B-C , A-D-E-F, and G-H-I with durations 30,30 and 28. Variance of each activity is 1.5. project duration variance is

1. 4.5
2. 6
3. 9
4. 3

Q15. The demand equation is $Y = a + b * t$ for a product where t is time. Which method can be used to estimate a & b

1. Moving Average
2. Regression
3. Exponential smoothing
4. Cant say