

## QUIZ NO: 633

### TOPIC: CONSTRUCTION PLANNING AND MANAGEMENT

**DATE: 20/08/2022**

**1. Which one of the following is the base for resource levelling?**

- [A] Delaying the completion of critical activities
- [B] Delaying the start of non-critical activities
- [C] Reducing completion time of critical activities
- [D] Not delaying the completion of critical activities

**Answer: B**

**2. The optimum duration is the**

- [A] The summation of normal-durations of each activity in the project
- [B] Summation of the normal-duration of activities on critical path
- [C] One, which gives the minimum total cost for completing the project
- [D] Summation of crash-time of activities on critical path

**Answer: C**

**3. CPM stands for**

- [A] Critical path method
- [B] Critical process method
- [C] Combine process method
- [D] None of these

**Answer: A**

**4. A draw back of the bar chart is that**

- [A] All the activities are independent of each other
- [B] It is difficult to judge whether an activity is completed or not
- [C] The sequence of the activities is not clearly defined
- [D] All the above

**Answer: C**

**5. The amount of time by which the start of the activity may be delayed without interfering with the start of any succeeding activity is called**

- [A] Activity float
- [B] Free float
- [C] Total float
- [D] Interfering float

**Answer: B**

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**6. The probability distribution taken to represent the completion of time in PERT analysis is**

- [A] Normal Distribution
- [B] Beta Distribution
- [C] Gamma Distribution
- [D] Gaussian Distribution

**Answer: B**

**7. Cost-benefit studies are essential to**

- [A] Assess the total cost of the work
- [B] Ascertain the relevant escalation in prices
- [C] Monitor the expenditure
- [D] Evaluate the viability and worthwhileness of taking up the project

**Answer: D**

**8. The most popular type of organization used for civil engineering constructions, is**

- [A] Line organization
- [B] Line and staff organization
- [C] Functional organization
- [D] Effective organization

**Answer: A**

**9. For an activity optimistic time 1-day pessimistic time is 8 days and most likely time is 3 days then the expected time is**

- [A] 3.5 days
- [B] 3.6 days
- [C] 3.75 days
- [D] 4.3 days

**Answer: A**

**10. The main disadvantage of line organization is**

- [A] Rigid structure
- [B] Large works
- [C] Top level executes over work
- [D] All the above

**Answer: C**

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