



UNIT IV

Fill in the blanks

1. Rate analysis is the process of determining the _____ cost of an item of work.
Answer: Unit
2. The rate of an item includes the cost of materials, labor, equipment, and _____.
Answer: Overheads
3. The main objective of rate analysis is to determine the _____ rate of construction items.
Answer: Unit
4. The quantity of materials required for one unit of work is determined by _____ analysis.
Answer: Rate
5. The cost of transporting materials to the site is called _____.
Answer: Carriage
6. Labour charges are calculated based on the _____ of workers.
Answer: Wages
7. Water charges are generally included in _____ charges.
Answer: Overhead
8. Contractor's profit is usually added as _____ of the total cost.
Answer: Percentage
9. Royalty charges are applicable for materials such as _____ and sand.
Answer: Stone
10. The rates of materials are generally obtained from the _____ schedule of rates.
Answer: Standard
11. The cost of tools and machinery is included under _____ charges.
Answer: Sundries
12. Lead represents the _____ of transportation of materials.
Answer: Distance
13. Lift refers to the _____ distance through which materials are moved vertically.
Answer: Vertical
14. The Schedule of Rates is commonly abbreviated as _____.
Answer: SOR
15. Rate analysis helps in preparing accurate _____.
Answer: Estimates

MCQs on Rate Analysis

1. Rate analysis is carried out to determine:

- A) Building height
- B) Unit cost of an item of work
- C) Soil bearing capacity
- D) Number of floors

Answer: B) Unit cost of an item of work

2. Which of the following is not a component of rate analysis?

- A) Material cost
- B) Labour cost
- C) Profit
- D) Soil investigation cost

Answer: D) Soil investigation cost

3. The cost of transporting materials to the construction site is called:

- A) Royalty
- B) Carriage
- C) Depreciation
- D) Escalation

Answer: B) Carriage

4. Contractor's profit is generally added after calculating:

- A) Material cost only
- B) Labour cost only
- C) Total cost of the item
- D) Water charges only

Answer: C) Total cost of the item

5. The Schedule of Rates (SOR) is published by:

- A) Contractor
- B) Government/Public Works Department
- C) Labour Union
- D) Cement Company

Answer: B) Government/Public Works Department

6. Which of the following is included in overhead charges?

- A) Water charges
- B) Supervision charges
- C) Tools and plants
- D) All of the above

Answer: D) All of the above

7. Lead in rate analysis refers to:

- A) Height of the building
- B) Horizontal distance for transporting materials
- C) Width of excavation
- D) Thickness of the wall

Answer: B) Horizontal distance for transporting materials

8. Lift refers to:

- A) Horizontal movement of materials
- B) Vertical movement of materials
- C) Weight of materials
- D) Width of the road

Answer: B) Vertical movement of materials

9. Royalty charges are generally paid for:

- A) Labour
- B) Natural materials like stone and sand

- C) Cement
- D) Steel bars

Answer: B) Natural materials like stone and sand

10. The primary purpose of the Schedule of Rates is to:

- A) Prepare architectural drawings
- B) Provide standard rates for construction items
- C) Test soil samples
- D) Prepare structural designs

Answer: B) Provide standard rates for construction items

11. Which of the following affects the rate of an item?

- A) Material cost
- B) Labour wages
- C) Transportation cost
- D) All of the above

Answer: D) All of the above

12. Rate analysis helps in:

- A) Accurate estimation of project cost
- B) Increasing material wastage
- C) Reducing concrete strength
- D) Changing building plans

Answer: A) Accurate estimation of project cost

13. Tools and Plants (T&P) charges are included in:

- A) Material cost
- B) Overhead cost
- C) Royalty
- D) Foundation cost

Answer: B) Overhead cost

14. The unit of rate analysis is generally:

- A) Cost per unit of work
- B) Cost per building
- C) Cost per worker
- D) Cost per day only

Answer: A) Cost per unit of work

15. Which document is commonly used as a reference while preparing rate analysis?

- A) Schedule of Rates (SOR)
- B) Building Plan only
- C) Attendance Register
- D) Site Diary

Answer: A) Schedule of Rates (SOR)