

1 15

SCHEME OF VALUATION  
SCORING INDICATORS

B 1

REVISION - 2015

TED-5012

CONSTRUCTION MANAGEMENT & SAFETY ENGINEERING

| Qst No          | SCORING INDICATORS  | SPLITUP SCORE          | SUB TOTAL | TOTAL     |
|-----------------|---|------------------------|-----------|-----------|
| <u>PART - A</u> |   |                        |           |           |
| I               | <p>* Materials<br/>Man power<br/>Machinery<br/>Money<br/>Space</p> <p>Q no. 5. Total quality management is the process involving the quality assurance and marketing of products.</p> | <del>4</del><br>2      |           | 2         |
| 1               | Free float refers to the slackness in relation to the completion time of any stage (node) of the project  |                        |           | 2         |
| 2               | An earnest money equivalent to 2.5% of the estimated cost of the work is to be deposited by the contractor while submitting the tender as a guarantee.                                |                        |           | 2         |
| 3               | <p>* General stores<br/>Material charge to works<br/>Paints and Machinery<br/>Small tools and plants.</p>   | $\frac{1}{2} \times 4$ |           | 2         |
| 4               | An entrepreneur is 'one who organizes, manages and assumes the risk of business or enterprise'  |                        |           | 2         |
| <u>PART - B</u> |   |                        |           |           |
| II              | 1. * Feasibility report should state the need for the project and cost benefit analysis are prepared for  |                        |           | <u>10</u> |

getting administrative sanction.

Project report should accompany a estimate giving the various features of work. The report should be prepared so that one can understand the complete picture of the project.

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6

2. i. The sequence of activities is not clearly defined.

ii. The various activities are interdependent

iii. Non Control on Progress of the work

iv. Uncertainties

v. Interdependence of tasks makes it necessary to pay attention in all items of work

vi. The chart suitable only for simple and small jobs

1 mark each part

1x6

6

3. i. Piecework Agreement

ii. Lumpsum Contract

iii. Item rate Contract

iv. Cost plus percentage Contracts

v. Negotiated Contracts

vi. Departmental execution work

1 mark each point

1x6

6

4. i. Due to competition among contractors the contractor accepts the contract with less profit.

ii. As the total cost of the work is known before hand, the department can arrange the funds in time

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- iii. As the profit is directly depends on the time of Completion, Contractor tries to Complete the work as early as possible.
  - iv. The materials used in the temporary works during Construction are relieved earlier resulting in their effective use in other works also.
- 5.
- i. To respects for human beings
  - ii. To helps the organisation to reach its goals.
  - iii. To ensure effective utilization and maximum development of human resources.
  - iv. To provide the organization with well trained among employees.
  - v. To identify and satisfy the needs of individuals
  - vi. To develop and maintain a quality of work life
  - vii. To be ethically and social response to the needs of Society
  - viii. To enhance employees Capabilities to perform the present job.
  - ix. To develop overall responsibility of each employee in its multidimensional aspect.

$1\frac{1}{2}$  marks  
each pt.

$1\frac{1}{2} \times 4$

6

Answer  
any 6  
each = 1

1x6

6