

316307

25226

3 Hours / 70 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.
(6) Use of Non-programmable Electronic Pocket Calculator is permissible.
(7) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following : 10
- State any two objects of contract.
 - Define All in one contract.
 - Define tender.
 - Define Arbitration.
 - Enlist any four tender documents.
 - Define the term 'first and final payment bill'.
 - State any two legal aspects of specification.

P.T.O.

2. Attempt any THREE of the following : 12

- a) State any four responsibilities of an Chief Engineer in PWD.
- b) Write any four conditions when all tenders are to be rejected.
- c) Explain in brief procedure of initiating the government work by PWD.
- d) Enlist any four provisions under FIDIC contract provided in Red Book for contractor.

3. Attempt any THREE of the following : 12

- a) Differentiate between Item rate contract and Lumpsum contract with respect to
 - i) Meaning
 - ii) Comparative statement
 - iii) Payment method and
 - iv) Suitability
- b) List the methods used in PWD for carrying out the works. Explain in brief rate list method.
- c) Explain in brief following terms -
 - i) Additional performance security deposit
 - ii) Validity period of tender
- d) Explain the following terms related to tendering process -
 - i) Comparative statement
 - ii) Scrutiny of tender

4. Attempt any THREE of the following :**12**

- a) Explain in brief online procedure of submission of tender in PWD.
- b) Explain the following term -
 - i) Secured advance payment to contractor
 - ii) Imprest cash
- c) Differentiate between interim payment and advance payment with respect to
 - i) Payment method
 - ii) Quality of work
 - iii) Purpose
 - iv) Suitability
- d) Prepare NMR Part - I for the following data. Period of writing 4th Dec 2024 to 9th Dec 2024. Weekly off sunday.
 - i) Prakash (Mason) Rs. 1000 per day present on all days.
 - ii) Viju Kasar (Mason) Rs.1000 per day absent on 8th Dec 2024.
 - iii) Laxmi Gupta (Female labour) Rs. 700 per day present on all days.
 - iv) Raju Sharma (Male labour) Rs. 700 per day present on all days.
- e) Differentiate between brief specification and detailed specification.

5. Attempt any TWO of the following : 12

- a) Explain in brief the following types of contract with respect to purpose, Advantages and disadvantages and suitability -
 - i) Item rate contract
 - ii) Engineering procurement construction contract (EPC)
- b) Explain BOT project with respect to -
 - i) Objectives
 - ii) Advantages and Disadvantages
 - iii) Example
- c) Draft the tender notice for the construction of workshop building for XYZ polytechnic, Pune, costing Rs. 1.45 crores. Assume suitable additional data if required.

6. Attempt any TWO of the following : 12

- a) Draw tabular formats of schedule A and schedule B. Also state any two purposes of both,
 - b) Explain in brief provisions made in detailed specifications relating to -
 - i) Labour
 - ii) General Obligations of contractors
 - c) Draft detailed specification for Internal plaster in cement mortar with proportion 1:6 for a brick wall.
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