

22601

12526

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 answer 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**
 - a) Write full form of PWD and CPWD.
 - b) Define administrative approval and Technical sanction.
 - c) State two objects of contract.
 - d) Define tender.
 - e) List modes of payment to the contractor.
 - f) List any four types of specifications.
 - g) Define cost and price.

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) Draw organization structure of PWD.
 - b) State requirements of valid contract.
 - c) Explain item rate contract in detail.
 - d) Explain earnest money deposit and security deposit in detail.
- 3. Attempt any THREE of the following:** **12**
- a) Explain the procedure of initiating the government work by PWD.
 - b) Define :-
 - i) Indent
 - ii) Invoice
 - iii) Bill
 - iv) Voucher.
 - c) State points to be observed in framing specification of item.
 - d) State factors affecting value.
- 4. Attempt any THREE of the following:** **12**
- a) Define sinking fund and explain straight line method of calculating depreciation.
 - b) Define outgoings and list types of outgoings.
 - c) Explain the provisions of FIDIC contract relevant to given situation.
 - d) Explain E-Tendering System of submission of Tender in PWD.
 - e) Define arbitration and state any four qualities of arbitrator.
- 5. Attempt any TWO of the following:** **12**
- a) Prepare a draft tender notice for construction of Ladies Hostel at your college premises having cost of construction Rs. 6 crores. Assume suitable information if required.
 - b) Explain Schedule A, Schedule B and Schedule C with their formats.
 - c) Define NMR and explain with their standard format.

6. Attempt any TWO of the following:**12**

- a) Explain with example :-
 - i) Mobilization Advance
 - ii) First and final payment
 - iii) Running account bill.
 - b) Prepare detailed specifications for item "Full brick thick masonry in cement mortar 1:6".
 - c) A person purchases plot measuring 300 m^2 @ 15000 per m^2 . He constructs building having 200 m^2 built up area @ 20000 per m^2 . He desires to have net return 6% on both plot and building cost. Assume 30% outgoing on gross income. Suggest suitable rent for property.
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