

22601

22223

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

- a) Enlist the types of contract.
- b) State the methods used for carrying out work in PWD.
- c) Differentiate between earnest money and security deposit in contract.
- d) State the objects of contract.
- e) Define the terms
 - i) Retention money
 - ii) Mobilization advance
- f) State the purpose of valuation. (any two)
- g) State the types of building lease.

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) Differentiate between item rate contract and percentage rate contract on the basis of definition, suitability, security, extra item.
 - b) Explain with suitable example unbalanced tender.
 - c) Differentiate between interim payment and advance payment.
 - d) Explain the types of outgoings with % in relation with gross income.
- 3. Attempt any THREE of the following:** **12**
- a) Explain the terms :
 - i) Escalation
 - ii) Arbitration
 - b) Explain the situations in which lowest tender is rejected.
 - c) Justify the importance of BOT contract on the basis of objectives and advantages.
 - d) Define the term corrigendum and state the situations in which corrigendum to the tender notices is given.
- 4. Attempt any THREE of the following:** **12**
- a) Prepare NMR-Part-I for the following details mentioned below.
Period of writing - 5th Dec 2022 to 10th Dec 2022. Weekly off - Sunday.
 - i) Prakash Ram (Mason) Rs. 800/- per day present on all days.
 - ii) Shamrao Vitthal (Mason) Rs. 800/- per day absent on 8th Dec 2022.
 - iii) Komal Jaysing (Female labour) Rs. 400/- per day present on all days.
 - iv) Pintu Dadu (Male labour) Rs. 400/- per day present on all days.

- b) Enlist the mode of making payment to contractor and explain any one.
- c) Describe the points to be observed while drafting specification of an item.
- d) Enlist the types of specifications and explain the brief specification with respect to definition, purpose and legal aspect.
- e) Draw the organization chart of PWD.

5. Attempt any TWO of the following: 12

- a) Draft a tender notice for construction of staff quarters for government employees costing 1.5 Cr. invited by E. E. (PWD).
- b) Differentiate between depreciation and obsolescence on the basis of definition, method of calculation and recovery period.
- c) Draft detailed specifications for first class brick work.

6. Attempt any TWO of the following: 12

- a) A building is constructed at a cost of Rs. 400000/-. Calculate the monthly rent of the property if -
 - i) Cost of land is Rs. 100000/-.
 - ii) Return expected on cost of land is 5%.
 - iii) Return expected on cost of construction is 8%.
 - iv) Repair and maintenance cost is 0.5% of construction cost.
 - v) Other outgoings 20% of gross rent.
 - vi) Sinking fund Rs. 500/-
 - b) Explain the terms :
 - i) Rate list method
 - ii) Day work method
 - c) Explain Negotiated contract and Target contract.
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