

22601

23242

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) List any four types of contract.
 - b) Define contract.
 - c) State four conditions under which contract is terminated.
 - d) List four tender documents.
 - e) Define :
 - i) NMR
 - ii) Cash Book
 - f) Define :
 - i) Cost
 - ii) Price
 - g) Define valuation.

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) Draw organizational structure of PWD.
 - b) Explain the procedure of initiating the government work by PWD.
 - c) State four functions of executive engineer.
 - d) Explain four requirements of valid contract.
- 3. Attempt any THREE of the following:** **12**
- a) List classes of contractor on basis of financial limits in PWD.
 - b) Differentiate between item rate contract and lump sum contract.
 - c) State four conditions where lowest tender is rejected.
 - d) Explain the procedure of submitting filled tender document.
- 4. Attempt any THREE of the following:** **12**
- a) Draw standard form of
 - i) Measurement book
 - ii) Nominal muster roll
 - b) Explain bills and voucher.
 - c) Explain petty advance and mobilization advance.
 - d) List the four points to be considered while framing specification of item.
 - e) Define specification. State types of specification.
- 5. Attempt any TWO of the following:** **12**
- a) Draft a tender notice for construction of a boys hostel building of ABC polytechnic costing Rs. 150 lakhs, assume suitable information if required.
 - b) Define depreciation and obsolescence. List methods of calculating depreciation.
 - c) Explain six necessities of valuations.

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

- a) Give the meaning of
 - i) Tender
 - ii) Earnest Money Deposit (EMD)
 - iii) Security Deposit
- b) Draft a detailed specification for RCC slab in cement concrete 1:1:2.
- c) A land measuring 300 sqm is purchased at a rate of Rs. 3000/- per sqm and building of 100 sqm area is constructed on it. The cost of construction is 6000/- per sqm. If the return on cost of land is 5% and building is to be 7%.

Calculate monthly rent of property.

Assume all outgoings 20% of gross rent.
