

Total No. of Questions : 4]

SEAT No. :

PB-249

[Total No. of Pages : 2

[6270]-37

B.E. (Civil) (Insem)

**QUANTITY SURVEYING CONTRACTS AND TENDERS
(2019 Pattern) (Semester-VIII) (401012)**

Time : 1¼ Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) *Answers Q.1 or Q.2, Q.3 or Q.4.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Use of electronic pocket calculator is allowed.*
- 5) *Assume Suitable data if necessary.*

- Q1)** a) Make a note on work charge establishment? [5]
b) What is centage charge? [5]
c) Enlist data required for preparing estimate? [5]

OR

- Q2)** a) Points considered while estimating irrigation type civil works? [5]
b) State any five items with mode of measurement units? [5]
c) Determine approximate estimated cost of a hospital building, using following data. [5]
i) Number of beds in proposed Hospital = 135 Nos.
ii) Cost of construction for a Hospital building of 125 beds and with same specification as the proposed hospital constructed 5 years before = Rs. 26,00,000/-
iii) Assume 20% rise in construction cost over rates before three years.
iv) Assume a provision of 12% of construction cost for water supply, drainage and electrification.

OR

P.T.O.

- Q3)** a) Explain tender and its example? [5]
b) Explain the P.W.D. procedure for execution of minor works. [5]
c) What is arbitration and what are powers of arbitrator? [5]

OR

- Q4)** a) Explain registration procedure for contractor? [5]
b) Explain following terms, [5]
i) Defects liability period
ii) Liquidated damages
c) Explain Need of arbitrator? [5]

