

Total No. of Questions : 4]

SEAT No. :

PA-10158

[Total No. of Pages : 2

[6010]-27

B.E. (Civil Engineering) (Insem)

QUANTITY SURVEYING CONTRACTS AND TENDERS

(401012) (2019 Pattern) (Semester - VIII)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q1 or Q2, Q3 or Q4.*
- 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) Explain in details administrative approval and technical sanction. [5]
b) Enlist different type of approximate estimate and explain any one in details. [5]
c) Prepare typical format of measurement form and abstract form. [5]

OR

- Q2)** a) Explain valuations and elaborate use of it? State role of rate analysis in estimation? [5]
b) Write short note on. [5]
i) Centage Charges
ii) Lead Statement
c) Prepare an approximate estimate of town hall building having plinth area equal to 1500 m². [5]
i) Plinth area rate = 3200 m².
ii) Special architectural treatment = 2% of cost of building

P.T.O.

- iii) Water supply and sanitary installation = 5% of cost of building
- iv) Electric installation = 14% of cost of building
- v) Other services = 6% of cost of building
- vi) Contingencies = 3% of overall cost of building
- vii) Supervision charges = 8% of overall cost of building

- Q3)** a) What is BOT and global tendering? [5]
- b) Explain the P.W.D. procedure for execution of minor works. [5]
- c) Define arbitration and need for arbitration. [5]

OR

- Q4)** a) Discuss tendering procedure with respect to any one specific construction work. [5]
- b) Explain following terms, [5]
- i) Defects liability period
 - ii) Liquidated damages
- c) Discuss various types of arbitration explain any one in details. [5]

