

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (OLD) - EXAMINATION – SUMMER 2017

Subject Code:180603

Date:02/05/2017

Subject Name: Professional Practice & Valuation

Time:10:30 AM to 01:30 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Calculate the following quantities for Two room residential quarters shown in drawing. **14**
{ refer drawing on back side of page }
[1] Excavation for Foundation
[2] D.P.C { 4 cm thick. } in cement concrete { 1:2:4 } with two coat of bitumen
[3] Brickwork in Super structure C.M { 1:6 }
[4] 1.25 cm thick inside Cement Plaster
- Q.2 (a)** Enlist types of Estimate. Explain any two types in detail. **07**
(b) Write detail rate analysis for **07**
Brick masonry in C.M { 1:4 } in foundation and plinth
OR
(b) Cement concrete 1:4:8 in Foundation **07**
- Q.3 (a)** Write detailed specification for Earthwork in excavation in foundation. **07**
(b) Define Market survey. Enlist 10 construction materials with recent prevailing market rate in **07**
your city.
OR
- Q.3 (a)** Write detailed specification for Reinforced cement concrete {R.C.C} **07**
(b) Define Rate analysis. Mention factors affecting rate analysis. **07**
- Q.4 (a)** What do you mean by contract? Enlist types of contract and explain any two in detail. **07**
(b) Explain following in detail. **07**
[1] Measurement Book
[2] Liquidated damage
OR
- Q.4 (a)** Define term: Tender notice. Enlist its type and explain in detail. **07**
(b) Explain following in detail. **07**
[1] Muster roll
[2] Arbitration
- Q.5 (a)** Define valuation. What are the purposes of Valuation? **07**
(b) An R.C.C framed structure building having estimated future life of 80 yrs, fetches a gross **07**
annual rent of Rs. 2200/- per month. Work out its capitalized value on the basis of 6% net yield.
The rate of compound interest for sinking fund may be 4%. The other out goings is as under.
[1] Repair and Maintenance = 1/12 of gross income
[2] Municipal and property tax = 25% of
[3] Management and miscellaneous = 7% of
The plinth area of building is 800 Sq. m may be taken as Rs. 500/- per Sq. m
OR
- Q.5 (a)** Which are the different methods of valuation? Explain any two in detail. **07**

- (b) Write short note on [any Two]
 [1] Work charge establishment
 [2] Schedule of rate
 [3] Task work per day


