

Enrollment No: _____

Exam Seat No: _____

C. U. SHAH UNIVERSITY

Winter Examination-2019

Subject Name : Professional Practice & Valuation

Subject Code : 4TE07PPV1

Branch: B.Tech (Civil)

Semester: 7

Date : 15/11/2019

Time : 10:30 To 01:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1	Attempt the following questions:	(14)
	a) Define rate analysis.	1
	b) What is tender notice?	1
	c) What are the methods of estimate?	1
	d) Define the salvage value.	1
	e) Density of steel is	1
	f) Define quantity surveyor.	1
	g) What is arbitration?	1
	h) What is specification?	1
	i) Define contractor.	1
	j) Give service unit for hospital.	1
	k) Define valuation.	1
	l) Why and when the security deposit are collected.	2
	m) What is the full form of SOR?	1

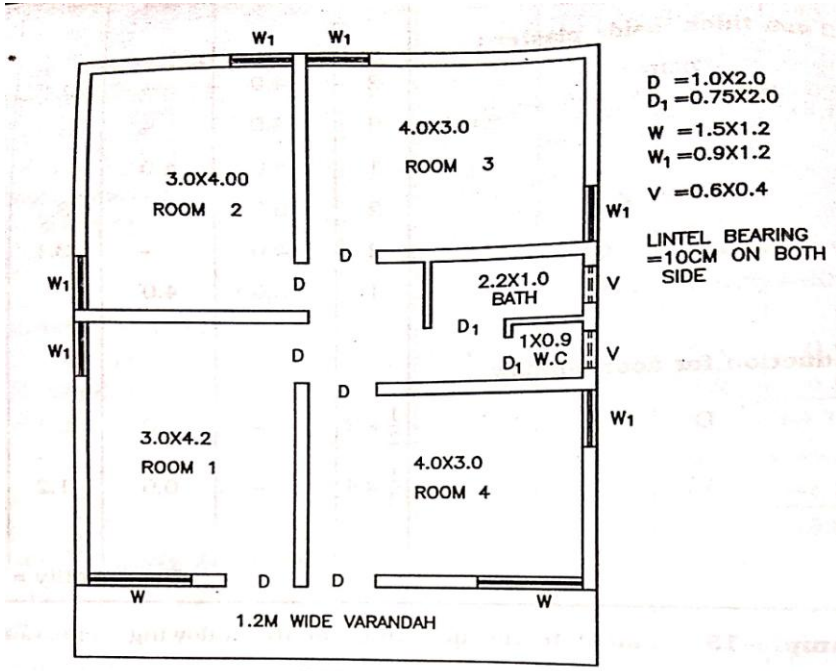
Attempt any four questions from Q-2 to Q-8

Q-2	Attempt all questions	(14)
	a) A person purchased a building for Rs. 100000 having construction cost is Rs. 60000 and land cost Rs. 40000, Life remaining is 25 years. If rate of interest is 6%. Calculate the annual installment of sinking fund. Take scrap value as 10% of the construction cost.	7
	b) List various types of labor employed for construction work categorize them in to skilled and unskilled labor. State their providing wages according to SOR of Surendranagar.	7
Q-3	Attempt all questions	(14)
	a) Distinguish between the terms: 1) Free hold property and lease hold property 2) Obsolescence and depreciation	7
	b) What are the types of contract?	7



- Q-4** **Attempt all questions** **(14)**
- a) Write a short note on: Abstract and Billing 7
- b) Workout the rent per annum of a property from the following details: 7
- 1) Cost of land: Rs. 600000
 - 2) Cost of construction: Rs. 2500000
 - 3) Required return on land: 6%
 - 4) Required return on building: 8%
 - 5) Estimated life of building: 50 years
 - 6) Rate of interest on sinking fund: 6%
 - 7) Annual repairs: Rs. 15000
 - 8) All other outgoings: 30% of gross rent
 - 9) Take scrap value of building as 10%
- Q-5** **Attempt all questions** **(14)**
- a) Calculate the following: 7
- 1) No. of cement bags for 10 m³ brickwork in cement mortar (1:3).
 - 2) Quantity of material required for 10 m³ PCC in 1:1.5:3.
- b) Draft a tender notice for construction of C U Shah university building with all criteria. Assume suitable data and write precise tender notice. 7
- Q-6** **Attempt all questions** **(14)**
- a) Write detailed specification First class brickwork in cement mortar 1:4 in super structure. 7
- b) Explain following related to contract: 7
- 1) Earnest money deposit
 - 2) Security deposit
 - 3) Liquidated damage
- Q-7** **Attempt all questions** **(14)**
- a) Illustrate the general specifications of a residential building. 7
- b) Give rate analysis of slab (1:1:2) for 10 m³. 7
- Q-8** **Attempt all questions** **(14)**
- a) The plan of a residential building is shown in Figure Calculate quantity of following items. Adopt suitable brief specifications. 14
1. Earthwork in excavation in foundation
 2. Lime concrete in foundation 1:7:20
 3. First class brickwork in 1:6 cement sand mortar in foundation and up to plinth
 4. DPC of 2.5 cm thick of cement concrete 1:2:4
 5. First class brick work in Lime mortar in super structure
 6. 12 mm thick cement plaster with cement mortar (1:4) inside.
- Assume suitable data if necessary.





PLAN

