BACHELOR OF ARCHITECTURE

2 nd Year 1st Semester Examination 2024

ARCHITECTURAL CONSTRUCTION-I

Time: Three Hour	rs	Full Marks: 100
Instruction: Answer Use ske	for 100 marks tches wherever necessary	
	ctional drawing of an external load bearing wall with windows couilding having 3600 mm floor to floor height and 1500 mm dee dation.	
foundation how the co limited bo	heave' and 'subsidence' in relation with foundation. Describe we is provided in a building. With the help of appropriate sketche hoice of a particular type of foundation is made for an urban plaundaries when the building is required to be multi-storeyed with the sizes of the base of foundation with changing number of some content of the base of foundation with changing number of some content of the base of foundation with changing number of some content of the base of foundation with changing number of some content of the base of foundation with changing number of some content of the base of foundation with changing number of some content of the base of foundation with changing number of some content of the base of t	s, describe ot with th changing
buildings?	the various foundation types that are usually adopted for consti With the help of suitable sketches, describe any four of such fo concrete and reinforcement laying details of a typical RCC footingsize.	undations.
Using an a	able sketches, describe timber flooring over timber framing with ppropriate sectional view describe the construction of an old re ith timber girders, timber runners and timber boardings.	•
•	using suitable sketches) how wall partition is made with timber tamination and glass combination.	framing and 25
sectional o different p sheeting. S	e utility of trusses for long horizontal spanning. Draw plans, elevaletails explaining construction of any one type of steel truss. Laborts of the truss. Show the fixing detail of roof sheeting with coshow the details at any two joints of the truss. Show the details at supports. Show the bracing layout for a trussesd shed.	oel the rrugated iron
foundation	vity wall in plan and in sections. Label different parts of it. Dr n. Discuss the benefits of a cavity wall against ordinary masonry name different classical architectural mouldings used in building	walls.
06. Write shor	rt notes on (any five) (Marks: 5 X 5)	25
``	er in trusses	

- (ii) Cramps in Cavity wall
- (iii) Water-cement ratio
- (iv) Gib and Cotter joint
- (v) Sheet Piling