

every vertical joints and a horizontal groove of 2100 mm level. Show plan, elevation, cross section and details. 25

3. Show with neat sketches the methodology of execution of a mural on a wall surface using ceramic glass mosaic. 25
4. Show with neat sketches the reflected ceiling plan, cross section and blown up details of false ceiling for a space of 4800 mm (h) × 3600 mm (w) using manual wool fibre board of 600 mm × 600 mm size with powder coated pressed 9.9. interlocking 'T' section frame and suspension system with 2 Nos. of 600 mm × 600 mm modular light fittings symmetrically placed. 25
5.
 - a) What are the different pre-cast concrete elements used in buildings ? 5
 - b) What are the advantages and disadvantages of aluminium windows with timber windows ? 10
 - c) Why timber frame work and suspension system should not be used for false ceiling ? 10
6. Show with neat sketches wall cladding, with 1200 mm (L) × 900 mm (H) 20 mm thick granite slabs in brick bond pattern with 'V' groove at all joints using continuous dowel bar. Show plan, elevation, cross section and details (wall surface area 4800 mm (L) × 3600 mm (H)). 25

BACHELOR OF ARCHITECTURE ENGG. EXAMINATION, 2009

(3rd Year, 1st Semester)

ARCHITECTURAL CONSTRUCTION-III

Time : Three hours

Full Marks : 100

Answer question No. 1 and any **three** of the other questions.

1. Answer any *five* :
 - a) What are the different types of stone used for wall cladding ? 5
 - b) Show with neat sketches different types of elements use for the suspension system of Gyp. board false ceiling. 5
 - c) Give brief specification for timber, plywood and laminated plastic sheet used for wall panelling. 5
 - d) What are the advantages of using pre-cast concrete roofing system. 5
 - e) What are the advantages of wall cladding ? 5
 - f) Why dowel bars are used in stone cladding ? 5
 - g) What are the different types of operating systems of rolling shutters ? 5
2. Show with neat proportionate sketches wall panelling with teak veneered finish in matching various for a wall surface of 450 mm (L) × 3000 mm (H) with 100 mm high T.W. skirting and panels of 900 mm width with 3 mm groove at