

Ref. No.: Ex/ARCH/T/512/2025

BACHELOR OF ARCHITECTRE FIFTH YEAR FIRST SEMESTER – 2024

SUBJECT : PROFESSIONAL PRACTICE

Time: 3 Hrs | Full marks : 100

Question 1 : (Answer: Any 2 | Marks: 2x5 each)

A fundamental aspect of any PROFESSIONAL PRACTICE, especially that of an ARCHITECT is “RESPONSIBILITY”. Thus enumerate and briefly explain the “RESPONSIBILITIES OF AN ARCHITECT” towards the following.

- a. RESPONSIBILITIES OF AN ARCHITECT for the Neighbouring Community and society at large
- b. RESPONSIBILITIES OF AN ARCHITECT for the Environment
- c. RESPONSIBILITIES OF AN ARCHITECT for the Workers on his/her site

Question 2 : (Answer: Any 8 | Marks: 8x5 each)

Ensuring safety and protection to life is one of the most significant responsibility of an Architect. Briefly Explain or Define the following

- a. Automatic Fire Detection and Alarm System
- b. Emergency Lighting System
- c. Downcomer
- d. Fire Risers (Wet)
- e. Exit
- f. Fire Barrier (or Fire Resisting Barrier)
- g. Fire Compartment
- h. Fire Door
- i. Refuge Area
- j. Fire Suppression (Gas Based)

Question 3 : (Answer: Any 2 | Marks: 2x10 each)

Give a brief explanation

- a. Firefighting Shaft (Fire Tower) (provide a Sketch)
- b. Dead End (provide a Sketch)
- c. Water Based Suppression System
- d. Emergency Power Backup

Question 4 : (Marks: 20)

Write an offer letter for comprehensive architectural consultancy services with a quotation of your professional fees for an architectural job of designing a residential bungalow. Please enumerate the scope of your work and exclusions. Also provide a breakup of your fees calculation. (Project details : Land area 1 acre, built-up area 10,000sq.ft.)

Question 5 : (Marks: 10)

Enumerate the various professional options a young architect has after successful completion of Bachelors in Architecture. Considering your own personal strengths and weakness, which one would you LOVE to pursue.