

BACHELOR OF ARCHITECTURE EXAMINATION, 2011

(5th Year, 1st Semester)

PROFESSIONAL PRACTICE - II

Time : Three Hours

Full Marks - 100

1. Answer **Q. No.1** and any **Four** from the rest Define the following as mentioned in the NBC PART 4 (any eight) $2\frac{1}{2} \times 8 = 20$
 - 1) Automatic fire detection and alarm system
 - 2) Building height
 - 3) Down comer.
 - 4) Escape lighting.
 - 5) Fire resistance.
 - 6) Fire separation.
 - 7) Means of Egress.
 - 8) Wet riser.
 - 9) Venting fire.
 - 10) Pressurization.

2. Answer the following (as recommended in the NBC, PART-4 regarding Fire Protection requirements for high rise building of 15M and above : (any **four**) $4 \times 5 = 20$
 - a) Lifts.
 - b) Basements.
 - c) Service ducts.
 - d) Refuge area.
 - e) Illumination of Means of exit.

[Turn over

2. Discuss the following Section as stated in the Kolkata Municipal Corporation Act, 1980 : (any **four**) $4 \times 5 = 20$
- a) Section 391 (Municipal building committee)
 - b) Section 397 (Sanction or Provisional Sanction accorded under misrepresentation)
 - c) Section 402 (Power of Municipal Commissioner to require alteration of work)
 - d) Section 411 (Power to order removal of dangerous building)
 - e) Section 416 (Prohibition on change of use of building)
 - f) Section 419 (Factory etc. not to be established without permission)
4. a) Discuss the various advantages and disadvantages of proprietorship and partnership Architectural firm. 5
- b) Define the following : (any **three**) $3 \times 3 = 9$
- i) T.D.S.
 - ii) Professional
 - iii) P.A.N.
 - iv) Service Tax
- c) Discuss the role of at least two other consultants in any architectural project. $3 + 3 = 6$
5. a) Who are the members of the council of Architecture. 2
- b) How the president and vice-president of the council are elected. How long an elected president hold office. $2 + 2 = 4$

- c) Mention at least seven powers and duties of the The Registrar of the Council of Architecture. 14
6. a) As per Architects Act define the followings : (any **four**) $2\frac{1}{2} \times 4 = 10$
- i) Professional Conduct.
 - ii) Professional negligence
 - iii) Deficient Service
 - iv) Professional liabilities.
 - v) Nature of liability.
- b) Mention at least (five) reasons for which an Architect is not liable for any liability for the damage the building construction under has / her design and supervision. 10