B.TECH. DEGREE EXAMINATION, MAY 2014

Seventh Semester

Branch : Civil Engineering

ARCHITECTURE AND TOWN PLANNING (C)

(Old Scheme – Prior to 2010 Admissions)

[Supplementary]

Time : Three Hours   Maximum : 100 Marks

Draw neat sketches wherever required.

Part A

Answer all questions.

Each question carries 4 marks.

I.   (a)   Explain the role of texture in Architectural Composition.

(b)   What do you mean by 'scale' in Architecture ?

(c)   Write short notes on building rules.

(d)   Give the occupancy classification of buildings.

(e)   Write short notes on : (i) Soil pipe ; (ii) Waste pipe.

(f)   Write short note on 'Handling Capacity of Lifts'.

(g)   List the types of informatics collected in Social survey.

(h)   Write short notes on concept of new towns.

(i)   What is density zoning ? What are its advantages ?

(j)   Write short notes on Slum Clearance Schemes.

(10 × 4 = 40 marks)

Part B

Answer all questions.

Each question carries 12 marks.

II.   (a)   Explain the following architectural composition principles : (i) Balance ; (ii) Unity.

(2 × 6 = 12 marks)

Or

(b)   Explain the factors influencing form of a building in detail.

Turn over

III. (a) Explain the various principles of functional planning of buildings.

Or

(b) Explain the essential features of a site plan.

IV. (a) Explain the following : (i) Natural ventilation ; (ii) Mechanical ventilation.

(2 × 6 = 12 marks)

Or

(b) (i) What are the functions of trap? Discuss the features of P, O and S types of Traps.

(ii) Write short note on antisyphonage pipe.

(8 + 4 = 12 marks)

V. (a) (i) What are the contributing forces for the origin of towns and cities?

(ii) Why is regional planning necessary?

(8 + 4 = 12 marks)

Or

(b) Explain the Garden City concept highlighting the principles and features.

VI. (a) Write short notes on :

(i) Features of Master plan.

(ii) Necessity of Master plan.

(2 × 6 = 12 marks)

Or

(b) Explain in detail about Town Planning Legislation and Municipal Acts.

[5 × 12 = 60 marks]