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FOURTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
JULY 2012

Civil Engineering

CE 04 405—BUILDING ARCHITECTURE AND TOWN PLANNING

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

Part A

1. (a) Discuss the general requirements of a site.
- (b) Write short notes on the identification of activity areas and linkage.
- (c) Explain the role of texture, mass and scale in architecture.
- (d) Explain with examples-balance and unity in architecture.
- (e) Describe five forms of planning a city.
- (f) Why town planning is necessary ?
- (g) Discuss the planning standards for traffic networks.
- (h) What are the objectives of slum clearance program ?

(8 × 5 = 40 marks)

Part B

2. (a) Explain various presentation techniques such as pictorial drawings, perspectives, model making and computer aided drafting.

(15 marks)

Or

- (b) Explain clearly the procedure of checking circulation, ventilation, structural requirements and other constraints in a building.

(10 marks)

- (c) Write short notes on building codes and rules. (5 marks)

3. (a) Explain the characteristic features of style, giving two historic examples. (10 marks)

- (b) Write short notes on lighting, ventilation and thermal aspects in different buildings.

(5 marks)

Or

Turn over

(c) Explain the importance of strength and aesthetics in deciding the space and form in architecture. Also explain the factors influencing them.

(15 marks)

4. (a) Explain the use of base maps in town planning.

(5 marks)

(b) Discuss the theories of land use planning, transportation planning and housing development.

(10 marks)

Or

(c) List and describe any two surveys which are carried out to collect data in town planning.

(10 marks)

(d) Write a note on the concept of "regional planning".

(5 marks)

5. (a) List the causes of formation of slums. Describe the three important methods for the removal of slums.

(15 marks)

Or

(b) Write short notes on :

(i) Town planning legislation and municipality acts.

(ii) Urban financing in land acquisition.

(iii) Pollution control aspects in town planning.

(3 × 5 = 15 marks)

[4 × 15 = 60 marks]