

Total No. of Questions : 12]

SEAT No. :

P1051

[Total No. of Pages : 2

[4659]-7

B.E. (Civil)

d-ARCHITECTURE AND TOWN PLANNING

(2008 Course) (401004) (Elective-I)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *Use separate answer sheets for Section-I and Section-II.*
- 2) *Assume suitable data if necessary.*
- 3) *Solve Q. No. 1 or Q. No. 2, Q. No.3 or Q. No. 4, Q. No. 5 or Q. No. 6 from Section-I and Q. No. 7 or Q. No. 8, Q. No. 9 or Q. No. 10, Q. No. 11 or Q. 12 from Section-II.*

SECTION-I

- Q1)** a) Why it is essential to adopt an integrated approach of planning? Explain the same while dealing with an area about 5000 sq ft and while dealing with 500 Ha. [9]
- b) Enlist different garden styles and explain any two considering following points: layout, pathways, water body locations, soft materials and hard materials, aesthetics, example. [8]

OR

- Q2)** a) Explain in detail different elements of design and mention the effectivity of the same on architectural composition giving suitable examples. [9]
- b) Explain the differences in water body creation and conservation and its importance in today's context. [8]
- Q3)** a) Explain the concept: enriching the spaces as per functional needs within an area to be developed in relation with different byelaws. [9]
- b) Explain the differences between URBAN DESIGN & URBAN RENEWAL with appropriate examples. [8]

OR

- Q4)** a) Explain the necessity of Built environment in urban areas. [8]
- b) Enlist the parameters on which Quality of Life is based and establish the relation of the same with Urban Renewal proposal. [9]

P.T.O.

- Q5) a)** Enlist different components of a building and mention the sustainable material used for individual component and the advantages of the same. [8]
- b) What aspects contribute for designating a building as a “Green Building”? [8]

OR

- Q6) a)** Enlist different sustainable technologies and explain the advantages and usage of sustainable technologies. [8]
- b) Write a short note on any “Green build case study”. [8]

SECTION-II

- Q7) a)** Explain about the contribution of different town planners for deciding different levels of development. [9]
- b) Write short notes on: town planning schemes and garden city with appropriate examples. [8]

OR

- Q8) a)** Explain the concept in detail which makes TPS sustainable. Elaborate the same by drawing an appropriate sketch. [9]
- b) Explain the concept new towns; giving suitable example. [8]

- Q9) a)** Explain various levels of Planning and which is the common thread between them as regards execution is concerned. [9]
- b) Explain various junctions in road network and elaborate importance of traffic management. [8]

OR

- Q10)a)** Elaborate different types of surveys and the importance of the same while finalizing DP Proposal when you are working as a planner. [9]
- b) Explain in detail the ‘functions of an Arbitrator and Tribunal’ during execution process under MRTTP Act, 1966. [8]
- Q11)a)** Write a short note on: SEZ, giving its status in India. [8]
- b) Elaborate applicability of modern tools for i) Land Use Analysis ii) Traffic management. [8]

OR

- Q12)a)** Write short notes on i) LAA ii) MHADA. [8]
- b) Elaborate applicability of modern tools for i) disaster management b) traffic regulation. [8]