

**B.Tech. Degree VI Semester Examination
July 2002**

**CE 602 ARCHITECTURE AND TOWN PLANNING
(1999 Admissions)**

Time: 3 Hours

Max. Marks: 100

(Answer four questions. All questions carry equal marks. Draw neat sketches/diagrams wherever necessary)

- I Define architecture and explain the factors influencing architectural development. (25)
- OR**
- II "With globalisation of architecture, it is realized that often the form and expression of style have no relevance to physical, special, social and aesthetic environment.....of the land". Comment with logical reasoning. (25)
- III An industrial complex consisting of several buildings in connection with manufacture of automobile spares is to be built in a semi urban area well connected with infra structural facilities in an undulating area of 10 acres of land. Identify the requirements of various functional and other areas of buildings and the area relevant to architectural planning. Make a sketch of the proposals. Assume any data required. (25)
- OR**
- IV Enumerate the comfort factors to be considered while planning an educational institution imparting under graduate and post graduate studies in engineering and technology. Explain any two major factors in detail relevant to the educational institution as stated. (25)
- V "With planning and design of Chandigarh, India entered the era of modern town planning". Comment with the concept of modern towns and cities. (25)
- OR**
- VI a) Explain the significances of social and demographic surveys. (10)
- b) Explain the concepts of regional planning, its relevances in development of backward areas and enumerate the process of regional planning. (15)
- VII An industrial township is to be planned at foot hills of western ghat for processing and manufacturing rubber products. Name it as 'Rubber Park'. The area available is 1000 acres. About 15000 people of various skills and positions are likely to work in the Rubber Park. About 4000 dwelling units may be required. There shall be facilities for factories, storages, offices, amenities, recreation, education and the like. The Park is by the side of a district road. Develop a draft master plan and draw it. Provide the idea of approximate land use also. Assume any data/information required. (25)
- OR**
- VIII Write brief notes on the following:-
- (i) Master plan
 - (ii) Slum clearance scheme
 - (iii) Pollution control
 - (iv) Town planning legislations
 - (v) Standards for paths and roads. (25)

