GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER-1 (NEW) EXAMINATION – WINTER 2016

| Subject Code: 2714803 Date:06/ Subject Name: Infrastructure & Transportation Planning | | | Date:06/01/20 | 1/2017 | |
|--|-------------|---|-----------------|----------|--|
| Time: 2:30 pm to 5:00 pm Total Mar Instructions: | | | Total Marks: | 70 | |
| Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. | | | | | |
| Q.1 | (a) (b) | Classify the types of urban infrastructure. Explain the need for a renewed planning system in India. | | 07 07 | |
| Q.2 | (a) (b) | Prepare a note on land transportation integration. Enlist various methods of population projection and explain any two in detail. OR | | | |
| | (b) | How the demographic and economic factors affect the urban inf | rastructure? | 07 | |
| Q.3 | (a) | Enlist different types of water supply distribution network and types with merits and demerits. | explain any two | 07 | |
| | (b) | Explain the working of a water treatment plant. OR | | 07 | |
| Q.3 | (a) (b) | What are the parameters to check the quality of waste water? Explain the working of a sewage treatment plant. | | 07 07 | |
| Q.4 | (a) (b) | Enlist important provisions of Municipal solid waste manageme Formulate an explanatory note on 'City sanitation plan'. OR | ent rules. | 07 07 | |
| Q.4 | (a) (b) | Prepare a detailed note on 'Sustainable waste management'. Enlist norms for educational facilities in an urban area. | | 07 07 | |
| Q.5 | (a) (b) | Explain the smart infrastructure. What is a 'City mobility plan'? Enlist its contents. OR | | 07 07 | |
| Q.5 | (a) (b) | Explain the concept of T.O.D. based planning. What is the importance of public participation in the infrastructu | ure planning? | 07 07 | |
