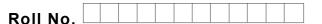
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B.Tech. (CE) (2012 to 2017) (Sem.-7) INFRASTRUCTURE DEVELOPMENT & MANAGEMENT Subject Code : BTCE-821 M.Code : 71880

Time: 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a. Explain the term Infrastructure. What are their merits and demerit in today's economy?
- b. Explain two categories in which infrastructure are divided. How are both interdependent?
- c. How infrastructure facilities boost Production?
- d. Infrastructure contributes to the economic development of the country. Do you agree? Explain.
- e. What is the state of rural infrastructure of India in today's world?
- f. What is the significance of Energy? Differentiate between commercial and non-commercial sources of energy.
- g. The rural infrastructure development fund (RIDF) is operationalised by which Govt. agency.
- h. What were the main causes of Indian agricultural stagnation during the colonial period?
- i. What do you mean by Toll collection Strategy?
- j. Numerate different construction components of various infrastructure sectors.



SECTION-B

- 2. What are the requirements of Good Ports? Briefly explain the Port development in India.
- 3. What is meant by DAM and RESERVOIR? What are the different materials that are commonly used for DAM construction and what are their comparative advantages and disadvantages?
- 4. Differentiate between "alluvial and non alluvial" canals. What are the different ways in which irrigation canals can be aligned?
- 5. What is wind rose diagram? What is its utility? What are its types? Explain each type.
- 6. Explain the procedure of orientation of the Runway.

SECTION-C

- 7. Explain various technological and methodological demands on construction management in infrastructure development projects.
- 8. What is hydrographic survey? Briefly explain the planning techniques for the coastal surveys.
- 9. Briefly outline the considerations in deciding the size and position of Harbor entrances.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.