Total No. of Questions – [6]   Total No. of Printed Pages: 02

G.R. No.	

Paper Code – U239-115 (ESE)

DECEMBER 2019 ENDSEM EXAMINATION

S. Y. B.TECH. (Civil Engineering) (SEMESTER-III)

COURSE NAME: Societal and Global Impact of Civilization

COURSE CODE: ES21185CV

(PATTERN 2018)

Time: [2 Hours]   [**Max. Marks**: 50]

(*) Instructions to candidates:

1) All questions are compulsory.
2) Figures to the right indicate full marks.
3) Use of scientific calculator is allowed.
4) Assume suitable data where ever required.

Q.1) Attempt any one

    a) Explain the effects of cities on the environment.　[4]

    b) What are the most important factors to establish　[4]
    and maintain a civilization?

Q.2) Attempt any one

    a) Compare traditional and modern agriculture.　[4]

    b) How do the portfolios lists of Central and State　[4]
    government differs from each other? Explain any
    two portfolios.

Q.3) Attempt any one

    a) Outline and explain the role of family, society, and　[6]
    educational institutions in teaching human values
    to individuals.

    b) What is urbanization? Explain the urban challenges　[6]
    and government's priorities?

Q.4) Attempt any one

    a) **i)**Identify and explain the goals of smart cities.   [6+4]

        ii) Comment on the statement: 'infrastructure plays a very important role in the development of the nation'.

    b) **i)**What are the achievements of government with [6+4] respect to development of road, rail and air transportation systems in the last decade?

        ii) Describe 'PPP' with one example.

Q.5) Attempt any one

    a) **i)**Define 'sustainable development'. List and explain [7+6] three benefits of sustainable development.

        ii) Discuss in detail the need of 'Environmental and Resource Management'.

    b) **i)**Describe renewable and renewable sources of [7+6] energy. Write three differences between renewable and renewable sources.

        ii) What is a 'green building'? State the necessity of 'green building' concept.

Q.6) Attempt any one

    a) **i)**Define 'disaster'. State any five effects of disaster. [7+6]

        ii) Describe in short the main features of disaster.

    b) **i)**Give classification of 'disasters'. Briefly explain any [7+6] two disasters.

        ii) Write a note on 'physical impact of disasters'.