

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(CE) / (ECE) (2018 Batch) (Sem.-3)

CIVIL ENGINEERING-INTRODUCTION, SOCIETAL & GLOBAL IMPACT

Subject Code : HSMC-132-18

M.Code : 76375

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) Define Civil Engineering.
- (b) Write a short note on entrepreneurial working.
- (c) Discuss about safety aspects of stakeholders.
- (d) Write note on methodologies for ensuring sustainability.
- (e) Define LEED ratings.
- (f) What is the basic difference in transportation of tradition and conventional modes?
- (g) How pollution impact growth?
- (h) How development in coastal areas is harming coastlines?
- (i) How river interlinking can harm fertility of lands in delta areas?
- (j) How solar energy is better than Tidal energy?

SECTION-B

2. What do you mean by continual improvement in environment performance? How can it be planned in an organization?
3. What is the difference between an environmental index and environmental indicator? List the usefulness of environmental indices and indicator for decision makers for EIA.
4. What are the different possible causes and impact of global warming?
5. How does the infrastructure development in any nation can impact its GDP?
6. Define River interlinking. Recently which of the river interlinking project is approved by GOI in October 2019. Write note on that project.

SECTION-C

7. Define Ocean thermal energy conversion. What it is in news now a days?
8. How does the 1st and 2nd industrial revolution eras helped the civil engineering to grow?
9. Write note on recent civil engineering breakthroughs and innovations.

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.