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Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CE) (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****Write briefly :**

1. How river interlinking can be beneficial for droughts area?
2. Define EIA.
3. How much awareness is needed regarding various codes and standards for infrastructure development?
4. Write a note on various innovations for ensuring sustainability.
5. Write down measure for pollution mitigation.
6. How river interlinking can control floods.
7. How global warming can be controlled?
8. Define LEED ratings.
9. What is hyper loops? How it can play a role in futuristic growth of nation.
10. Write a note on energy efficient built environment.

### SECTION-B

11. Write a short note on charter on corporate responsibility for environmental protection.
12. a) Differentiate between EIA & SEA.  
b) Explain environmental clearance procedure in India.
13. How does the futuristic systems can impact the growth of any nation?
14. What are the different causes of global warming? How it can be reduced?
15. Define River Interlinking. Give points in the favour and in against of river interlinking projects.

### SECTION-C

16. Recently which energy is declared as renewable energy by GOI? How it can have impact on the total energy generation of country?
17. Define Civil Engineering. What is the scope of work in the various branches of civil engineering?
18. How does the infrastructure development & growth of the nation can have effects on employments and living standards of people?

**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.**