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Total No. of Pages : 02

Total No. of Questions : 18

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

- Q1. How do smart cities can effect the living standards of the people?
- Q2. What do you mean by global warming and how it can be controlled?
- Q3. Define River Interlinking.
- Q4. Write a note on energy efficient built environment.
- Q5. Define EIA.
- Q6. How does the futuristic growth of the nation can be improved?
- Q7. What do you mean by LEED ratings?
- Q8. How river interlinking can control floods?
- Q9. Write a note on various innovations for ensuring sustainability.
- Q10. How much awareness is needed regarding various codes and standards for infrastructure development?

### SECTION-B

Q11. Write a short note on charter on corporate responsibility for environmental protection.

Q12. a) Differentiate between EIA & SEA.

b) Explain environmental clearance procedure in India.

Q13. How does the futuristic system can impact the growth of any nation?

Q14. What are the different causes of global warming? How it can be reduced?

Q15. Give points in the favour and in against of river interlinking projects.

### SECTION-C

Q16. Define Ocean thermal energy conversion. Why it is in news now a days?

Q17. How does the Ist and IInd industrial revolution eras helped the civil engineering to grow?

Q18. 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.**