Roll No.

Total No. of Pages: 01

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M.Tech. (Civil Engg.) (Sem.-1)
COMPOSITE MATERIALS

Subject Code: MTCE-201 M.Code: 74237

Date of Examination: 16-01-2023

Time: 3 Hrs. Max. Marks: 100

INSTRUCTION TO CANDIDATES:

- 1. Attempt any FIVE questions out of EIGHT questions.
- 2. Each question carries TWENTY marks.
- 1. What is Volume fraction in Fibre Reinforced Concrete and how does it affect the behaviour in tension, flexure and shear?
- 2. What is fly ash? From where it is generated? What are the advantages of using fly ash in materials.
- 3. Compare the technologies of producing latex-modified and polymer-impregnated concretes.
- 4. Define Ferro Cement. What are its applications?
- 5. Explain infiltration techniques. What is difference between sulphur concrete and sulphur infiltrated concrete
- 6. Write in detailabout "Composite Material Approach".
- 7. What is No Fines Concrete? Discuss applications of No Fines Concrete. What is the difference between No fines Concrete and Pumice concrete.
- 8. Give in detail properties and applications of Silica fume concrete.

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.

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