BACHELOR OF TECHNOLOGY (C.B.C.S.) (2021-COURSE)
B. Tech. Sem - III CIVIL : WINTER- 2022
SUBJECT : CONSTRUCTION EQUIPMENT & METHODS

Day : Friday | Time : 10:00 AM-01:00 PM

Date : 09-12-2022 | **W-25297-2022** | Max. Marks : 60

N.B.:

1) All questions are **COMPULSORY.**
2) Figures to the right indicate **FULL** marks.
3) Draw diagram **WHEREVER** necessary.

Q.1 Elucidate and compare Shotcreting and Gunieting process? **(10)**

OR

Q.1 Explicate trenchless technology and micro tunneling processes. **(10)**

Q.2 Explain dredging? Briefly explain various dredging techniques. **(10)**

OR

Q.2 What are the techniques and methods of pile driving? **(10)**

Q.3 Explain the following equipments on the basis of classification and use-: **(10)**
i) Rollers ii) Tractors

OR

Q.3 Explicate various vibro compaction equipments and their use with neat sketch, wherever necessary. **(10)**

Q.4 Describe the use and classification of various Hoisting and Transporting Equipments. Draw a neat sketch, wherever necessary. **(10)**

OR

Q.4 Explicate the use of conveying equipments in construction operations. Classify and explain various conveying equipments. **(10)**

Q.5 Expound the various factors affecting selection of various construction machinery and equipments? **(10)**

OR

Q.5 Explain all key factors and aspects related to 'Safety Management' of equipments. **(10)**

Q.6 Explain Electro-osmosis method of dewatering with a neat, labelled diagram. **(10)**

OR

Q.6 Describe briefly, various pavers used, in road construction with a neat sketch, if necessary. **(10)**

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