

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2021-COURSE)

B. Tech. Sem - I :SUMMER- 2022

SUBJECT : INTRODUCTION & OPPORTUNITIES IN CIVIL ENGINEERING

Day : Friday

Time : 10:00 AM-01:00 PM

Date : 22-07-2022

S-24034-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Use of non-programmable calculator is **allowed**.
 - 4) Assume suitable data **WHEREVER** necessary.
 - 5) Draw neat labeled diagrams **wherever** necessary.
-

Q.1 What are the various branches of Civil Engineering? Explain any two in detail. (10)

OR

Q.1 What is the history of Civil Engineering? State the significance of Project Management in Civil Engineering. (10)

Q.2 Comment on the impact of infrastructural development on the economy of a country. (10)

OR

Q.2 What is the importance of planning in Civil Engineering? Explain the role of Civil Engineer in a society. (10)

Q.3 What are the various people and organizations involved in project? Explain their roles and responsibilities. (10)

OR

Q.3 What do you understand by 'Conceptual Approval' and 'Administrative Approval' of Project? (10)

Q.4 What are the approvals required at various stages of project? (10)

OR

Q.4 What is the necessity of approval for Civil Engineering construction project? State the authorities for giving approvals. (10)

Q.5 Elaborate the use of Precast and Pre-Fabrication in Civil Engineering industry. (10)

OR

Q.5 What do you understand by 'Intelligent buildings' and 'low cost housing'? (10)

Q.6 Explain the career path for Civil Engineers with respect to government sector, private sector and own start-up's. (10)

OR

Q.6 Describe the types of career roles and required skill set for Civil Engineers. (10)
