

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VIII E & TC :SUMMER- 2022
SUBJECT : SATELLITE COMMUNICATION

Day : Thursday
Date : 16-06-2022

S-13376-2022

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagram **WHEREVER** necessary.
 - 4) Assume suitable data if necessary.
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Q.1 Explain elevation angle calculation and azimuth angle calculation at receiving station. (10)

OR

Q.1 Explain Launchers and Launch vehicles with its schematic diagram. (10)

Q.2 What do you mean space Qualification? Explain in detail. (10)

OR

Q.2 Explain attitude and orbit control system (AOCS) of satellite. (10)

Q.3 Explain satellite system using small earth station. (10)

OR

Q.3 Write design process for satellite communication using TTCM system. (10)

Q.4 Describe basic characteristics of satellite network. (10)

OR

Q.4 Draw and explain network architecture for VSAT system. (10)

Q.5 What is the orbit consideration? Explain in detail. (10)

OR

Q.5 Explain NGSO design. (10)

Q.6 Write a note on Digital DBS- TV Receiver. (10)

OR

Q.6 Explain satellite radio Broad casting in detail. (10)

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