

2021

(June)

COMPUTER APPLICATION

Paper: 104

*(Data Communication and Computer Network)*

Full Marks: 20

*Time: One hour*

***The figures in the margin indicate full marks for the questions.***

1. Answer the following:
  - a) Define bandwidth. 1
  - b) Differentiate between FDM and TDM. 2
  - c) Contrast parallel and serial transmission methods. 3
2. Answer ***any one*** from the following: 4
  - a) Describe the Go-back-n technique.
  - b) Write the functionalities of any two layers of ISO/OSI reference model.
3. Answer ***any one*** from the following:
  - a) Depict how a tree topology looks and explain how it works. Design a tree topology with fifteen number of nodes. 5 + 5 = 10
  - b) How many modes of communication are there in networking? Explain all the types with proper example. 10

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