

CDOE
MASTER OF BUSINESS ADMINISTRATION (INFORMATION TECHNOLOGY) (2013
COURSE)
M.B.A. (I.T.) Sem-IV : WINTER :- 2021
SUBJECT: COMPUTER NETWORKS & NETWORKING

Day : Tuesday
Date 15-02-2022

W-10037-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 70

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- 1) Attempt **ANY FOUR** questions from Section-I and attempt **ANY TWO** from Section-II.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to both the sections should be written in the **SEPARATE** answer books.
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SECTION-I

- Q.1** Explain OSI network reference model in detail. (10)
- Q.2** Explain working mechanism of fiber-optic cable with neat diagram (10)
- Q.3** Explain mesh and star-bus topology with neat diagram. (10)
- Q.4** Differentiate between the following: (10)
a) Local Area Network Vs. Wide Area Network.
b) Centralized Vs. Client/ Server computing.
- Q.5** Write short notes on (**ANY TWO**): (10)
a) Internet security
b) IEEE standards
c) Remote access networking

SECTION-II

- Q.6** Explain following connecting devices. (15)
i) Bridge ii) Repeater iii) Router
- Q.7** As a network administrator for organization, explain how you are managing network accounts and network data security. (15)
- Q.8** Suppose you are a network engineer in ABC bank. Design a network layout for a Local Area Network in bank to connect different departments. Suggest the topological architecture to be used and justify your answer. (15)

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