

9. Write short notes on the following :

- (a) Anti-virus
- (b) Firewall

**PGDCA-05/MSCCS-05/
PGDCA-105/MSCCS-105/
MSCCSC-105/MCA-105/CCNI**

June – Examination 2022

**PGDCA/MSCCS (Previous)/
MCA (Ist Year)/CCNI Examination**

Computer Networking and Internet

**Paper : PGDCA-05/MSCCS-05/PGDCA-105/
MSCCS-105/MSCCSC-105/MCA-105/CCNI**

Time : 1½ Hours]

[Maximum Marks : 80

Note :- The question paper is divided into two Sections A and B. Write answers as per the given instructions.

Section–A

4×4=16

(Very Short Answer Type Questions)

Note :- Answer any *four* questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 4 marks..

1. (i) What is Protocol ? Name any *one* protocol.
- (ii) List the basic operations of socket.
- (iii) List the responsibilities of the IP layer.
- (iv) For 'n' devices in a network, what is the number of cable links required for mesh and bus topology ?
- (v) Define Bandwidth.
- (vi) What is Mail Server ?
- (vii) What is Anti-aliasing ?
- (viii) Define Firewall.

Section-B **4×16=64**

(Short Answer Type Questions)

Note :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 16 marks.

2. What are the advantages of layered model protocol ? Compare TCP/IP and OSI model.

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3. Routing decisions are handled by Network layer. How is that done ? Explain what if congestion occurs ? Explain any *two* routing protocols.
4. Describe the four stages of the life-cycle of an applet at the Appletcontext. How does init() and start() differ in an applet ? Explain the life-cycle of an applet with a diagram and compare it with life-cycle of a thread.
5. Discuss the JavaScript objects and HTML DOM objects.
6. Describe the mechanism of catching errors in JavaScript with suitable example.
7. Write short notes on the following :
 - (a) ADSL
 - (b) Video Conferencing
8. Describe the various components of web project. Discuss in detail the steps required for publishing and maintaining the website.

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