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

June - Examination 2026

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: **3** Hours*] [*Maximum Marks: **80***]

Note :- The question paper is divided into three sections A, B and C. Write answers as per the given instructions in each section.

Section-A **8×2=16**

(Very Short Answer Type Questions)

Note :- Answer **all** 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 **2** marks.

1. (i) What is the function of SSL?

   (ii) Explain the use of Router.

   (iii) What is Gateway?

   (iv) Write any four uses of e-mail.

   (v) Explain the disadvantages of cable internet access in short.

   (vi) What do you mean by hyperlink?

   (vii) What is Proxy Server?

   (viii) What is Network Topology?

Section-B **4×8=32**

(Short Answer Type Questions)

Note :- Answer **any four** questions. You have to delimit your each answer maximum up to **200** words. Each question carries **8** marks.

2. What is Internet Security? Explain in detail.
3. Explain the elements of WEB in detail.
4. What is e-commerce? Explain its advantages.
5. Explain the difference between IPv4 & IPv6.
6. Write the different functions of Data Link Layer.
7. Write the difference between HTTP and HTTPS.
8. What is the function of FTP?
9. What is TELNET?

Section-C

2×16=32

(Long Answer Type Questions)

Note :- Answer **any two** questions. You have to delimit your each answer maximum up to **500** words. Each question carries **16** marks.

10. Explain OSI Model.

11. Explain

    (i) Function of Repeater

    (ii) NIC in Network

    (iii) Remote Login

12. What do you understand by Network Topology? Describe its various types.

13. Explain Packet Switching.
