BPF–2216

M.Sc. (Final) Examination, 2022
COMPUTER SCIENCE

Paper – MCS-201

(DCN)

Time : 3 Hours]   [*Maximum Marks : 50*

Section–A   (Marks : 2 × 10 = 20)

Note :–   Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section–B   (Marks : 3 × 5 = 15)

Note :–   Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **3** marks.

Section–C   (Marks : 5 × 3 = 15)

Note :–   Answer any *three* questions out of five (Answer limit **500** words). Each question carries **5** marks.

Section–A

1.   (i)   What is MAN ?

      (ii)   What is Ethernet ?

(iii)   What is FDM ?

(iv)   What is Virtual Circuit ?

(v)   What is ARQ ?

(vi)   What is Line Discipline ?

(vii)   Difference between ipv4 and ipv6.

(viii)   What is UDP ?

(ix)   What is Steganography ?

(x)   What is Keyloggers ?

Section–B

2.   Difference between LAN and WAN.

Or

Difference between OSI and TCP/IP model.

3.   Define Impairments.

Or

What is Multiplexing ?

4.   Define flow control.

Or

Define error control.

5.   What is Tunnelling ?

Or

Difference between TCP and UDP.

6. Define classification of cybercrime.

Or

Define types of phishing.

Section–C

7. Define Network Topologies in detail.

8. Explain Switching Technologies.

9. Explain the data link control.

10. Define network layer protocols in details.

11. Define the various methods which are used in Cybercrimes.