Voc(Sem-IV) — BCA
(CC – 8)

2024

Time : 3 hours

Full Marks : 70

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

*Answer from **all** the Groups as directed.*

Group – A

(Objective Type Questions)

1. Choose the correct answer of the following :

1×5 = 5

(a) FTP stands for :

   (i) File Transfer Protocol

   (ii) File Transfer Permit

   (iii) File Transmission Protocol

   (iv) None of these

(b) SMTP stands for :

   (i) Simple Mail Transfer Protocol

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(ii) Small Mail Transfer Protocol

(iii) Small Mail Transmit Protocol

(iv) None of these

(c) Which one of the following is not a function of Network days ?

(i) Congestion control

(ii) Error control

(iii) Routing

(iv) Internetworking

(d) Which Layer's is used to link the network support layer and user support layer ?

(i) Session layer

(ii) Data link layer

(iii) Transport layer

(iv) Network layer

(e) Which layer is responsible for process to process delivery in general network model ?

(i) Network layer

(ii) Transport layer

(iii) Session layer

(iv) Data link layer

2. Fill in the blanks with appropriate answer :

$1 \times 5 = 5$

(a) Wired network use an Access method called _____.

(b) A network of network is known as _____.

(c) In a network, a machine is identified by unique address called _____.

(d) The _____ is the protocol used to make hypertext documents readable on WWW.

(e) DMS denotes _____.

Group – B

(Short-answer Type Questions)

3. Answer any **four** questions of the following :

$5 \times 4 = 20$

(a) What is Network protocol ? Explain its types.

(b) Explain the classification of Network.

(c) Differentiate between TDM and FDM.

(d) What is Transmission Media ? Explain the types of Transmission Media.

(e) Differentiate between Analog and Digital signal.

(f) Explain the Multiplexer technique.

Group – C

(Long-answer Type Questions)

4. Answer any **four** questions of the following :

$$10 \times 4 = 40$$

(a) What is TCP / IP Reference Model with diagram ?

(b) Describe the Parallel and Serial transmission.

(c) Explain the Error detection and Error correction technique.

(d) What is Routing ? Explain the Routing Algorithm.

(e) Explain the WWW and HTTP protocol

(f) Explain the following :

    (i) DMS protocol

    (ii) Dial up Modern

    (iii) Go-back-n ARQ

    (iv) Router

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