WEST BENGAL STATE UNIVERSITY

B.A./B.Sc. Honours/Programme 3rd Semester Examination, 2021-22

CMAHGEC03T/CMAGCOR03T-COMPUTER APPLICATION (GE3/DSC3)

COMPUTER NETWORK AND INTERNET TECHNOLOGY

Time Allotted: 2 Hours   Full Marks: 40

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.

GROUP-A

1. Answer any *four* questions from the following: 2×4 = 8

   (a) What do you mean by peer to peer network?

   (b) List the components of data communication.

   (c) What is protocol? Give example.

   (d) Mention the need of domain name system.

   (e) What are satellite network?

   (f) What is the use of hypertext? Give example.

   (g) Write down any four advantages of MAN.

GROUP-B

Answer any *four* questions from the following   8×4 = 32

2. (a) Explain the function of TCP/IP protocol.   6

   (b) What is the difference between TCP and UDP?   2

3. What is OSI model? Explain the functions, protocols and services of each layer.   8

4. Define any two types of network topology with proper diagram.   8

5. (a) What is transmission media?   2

   (b) Write down the difference between guided media and unguided media.   2

   (c) Define Radio frequency propagation.   4

6. (a) Difference between LAN, MAN and WAN. 4

   (b) Write down the difference between gateway and repeaters. 4

7. Create HTML document with following formatting — 8

   Bold, Italics, Underline, Colors, Headings, Title, Font and Font Width, Background, Paragraph, Line Brakes, Horizontal Line, Blinking text as well as marquee text.

8. Write short notes on the following: 2×4 = 8

   (a) Circuit switching

   (b) Data communication measurement

   (c) Arpanet

   (d) VOIP blogs.

   N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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