



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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