

PG CBCS
M.Sc. Semester-III Examination, 2022
COMPUTER SCIENCE
PAPER: C- COS 304



Full Marks: 40

Time: 2 Hours

Write the answer for each module in separate sheet

M-I: DBMS

F.M.: 20

GROUP-A

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

- a) What is DBMS? Write two applications of DBMS?
- b) What is Primary Key? Give an example?
- c) Define the term Functional Dependency (FD).
- d) Define the term Normalization?

GROUP-B

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

- a) What are the data base languages? Give the names? Define any one?
- b) What is schema? Write the different types of schema used in DBMS?
- c) What is DBA? Write the role of DBA (Any two).
- d) Compare Generalization, Specialization and aggregation.

GROUP-C

3. Answer any **ONE** from the following questions: 1×8=8

- a) i. What are the difference between Relational data model and ER data model.
ii. What is normal join? Give an example. 4+4
- b) Describe the Three level architecture schema in DBMS?

P.T.O.

M-II: INTERNET TECHNOLOGY

F.M.: 20

GROUP-A



1. Answer any **TWO** of the following questions:

2×2=4

- a) What is Internet? Define types of network?
- b) What are the differences between ISO/OSI and TCP/IP models?
- c) Give the name of main tag used in HTML?
- d) What is WWW?

GROUP-B

2. Answer any **TWO** of the following questions:

2×4=8

- a) Write the mechanism of Router and Hub?
- b) State about the transmission mode of communication system.
- c) Write the difference between LAN, MAN and WAN.
- d) What is URL and ISP? Give an example of both.

GROUP-C

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

1×8=8

- a) Write a simple HTML Program that will show a title and set the body color red?
What are the attributes of table tag? Define the uses of Marquee tag in HTML?

3+3+2

- b) i. Explain different class of the classful addressing.

ii. Find the range of block of following address.

a. 123.56.77.32/6

b. 17.34.16.0/22
