



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. General Part-III Examination, 2022

COMPUTER SCIENCE

PAPER-VII

Time Allotted: 2 Hours

Full Marks: 50

*The figures in the margin indicate full marks.
All symbols are of usual significance.*

GROUP-A

Answer any two questions from the following

15×2 = 30

1. (a) Explain how DBMS is better than traditional file system. 6
(b) Explain ANSI/SPARC architecture of DBMS. 6
(c) What is data redundancy? 3
2. (a) Explain different integrity constraints. 10
(b) What are the different components of an ER diagram? 5
3. (a) Differentiate between hierarchical and relational data models. 5
(b) Explain normalization. Explain 1NF, 2NF, 3NF and BCNF. 2+8 = 10

GROUP-B

Answer any one question from the following

10×1 = 10

4. (a) Differentiate between multitasking and multithreading. 5
(b) Discuss class and objects. 5
5. (a) Explain events with the help of examples. 5
(b) Explain MFC. 5

GROUP-C

Answer any one question from the following

10×1 = 10

6. (a) Discuss the different advantages of networking. 5
(b) Why do we need layered protocol architecture? 5
7. (a) Explain the function of DNS. 5
(b) Explain WWW. 5

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