



UNIVERSITY OF NORTH BENGAL

B.Sc. General Part-III Examination, 2021

COMPUTER SCIENCE

PAPER-VII (Revised New Syllabus)

Full Marks: 50

ASSIGNMENT

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.
All symbols are of usual significance.*

Answer any two questions from the following

25×2 = 50

1. (a) What are the advantages of database management systems over traditional file oriented systems? 10
- (b) Differentiate between multitasking and multithreading. 10
- (c) Explain DNS briefly. 5
2. (a) Discuss the layers of OSI network architecture with a suitable diagram. 10
- (b) Write a note on ODBC. 5
- (c) Explain any two file organization systems used in a database. 10
3. (a) Explain hierarchical, network and relational data models with examples. 10
- (b) Write a note on Microsoft foundation class (MFC). 5
- (c) Discuss a simple PC based network. 10
4. (a) Write a note on voice and video conferencing. 5
- (b) Discuss the differences between functions and procedures in visual basic with examples. 8
- (c) What is normalization? Discuss the process of normalizing an unnormalized relation to 3NF with example. 12

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