

BANKURA UNIVERSITY
B. Sc. (HONOURS) SECOND SEMESTER EXAMINATIONS, 2021

Subject: Computer Science

Course ID: 21514

Course Title: Introduction to Database Systems

Full Marks: 25

Time: 1 hr. 15 min.

The figures in the margin indicate full marks

Answer all the questions.

UNIT I

1. Answer *any five* of the following questions: (1×5=5)

- a) What is field and record ?
- b) What is database constraints ?
- c) What is entity and attribute ?
- d) What is relational schema ?
- e) What is Foreign key ?
- f) What is degree and cardinality ?
- g) Difference between DBMS and file system.
- h) What is data dictionary ?

UNIT II

2. Answer *any two* of the following questions: (5×2=10)

- a) Draw an E-R Diagram for a university using at least five entity sets.
- b) Discuss about DDL and DCL with minimum 2 statements each.
- c) Describe three level architecture Of DBMS.
- d) Explain primary key, candidate key, unique key. (2+1.5+1.5)

UNIT III

3. Answer *any one* of the following questions: (10×1=10)

- a) i) What is entity relationship? Explain different types of relationship with example. (7+3)
ii) Discuss about domain integrity constraints.
- b) What is data model? Discuss different types of data model.

B. Sc. (HONOURS) SECOND SEMESTER EXAMINATIONS, 2021

Subject: Computer Science

Course ID: 21514

Course Title: Programming in visual Basic

Full Marks: 25

Time: 1 hr. 15 min

The figures in the margin indicate full marks

Answer all the questions.

UNIT I

1. Answer *any five* of the following questions: (1×5=5)

- a) What is object and class in visual basic ?
- b) What is IDE ?
- c) What are drop down menus ?
- d) What is option base used for VB ?
- e) Difference between image and picture box control ?
- f) What is default property of data control ?
- g) What is Modules ?
- h) Which control is used to provide an identifiable grouping for other controls ?

UNIT II

2. Answer *any two* of the following questions: (2×5=10)

- a) Describe Inprocess and Outprocess component in VB.
- b) What is different types of record set available in ADO.
- c) Explain OLEDB and IDE(Integrated Development Environment)Components?
- d) Explain all file types in a visual Basic project?

UNIT III

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

(10×1=10)

- a) What do you mean by VB Environment? Explain Toolbox, properties windows, form layout in detail.
- b) Explain in detail data types used in visual basic.