

BCA Fifth Semester Examination, Jan. – 2023

SECOND PAPER

Dot Net Technology

Paper Code:- 42502

Time Allowed: Three Hours

Maximum Marks.70

(1) No supplementary answer book will be given to any candidate. Hence the candidates should write the answers precisely in the main answer book only.

(2) All the parts of one question should be answered at one place in the answer book.

(Attempt all six questions.)

Part I (Question No. 1 & 2) is compulsory & Part II (Question No. 3, 4, 5 & 6) has internal choice.

Part-I

1. Answer any 10 questions. Each question carries 1 mark.

10x1= 10

(Words limit up to 20 words each)

- What is the purpose of Dot Net Technology?
- What is Common Language Runtime (CLR)?
- Give a single line definition of Machine Intermediate Language.
- What is garbage collection in C#?
- What are abstract classes in C#?
- What is the use of Calendar Control?
- What is Range Validator?
- What is ADO. Net used for?
- What is Data Set Class?
- Provide any one example of SQL managed provider.

2. Answer all the questions. Each question carries 5 marks.

4x5 = 20

(Words limit up to 50 words each)

- Mention the four main components of Dot Net Framework. Write an individual line about them.
- Discuss with examples the relational operators available in C#.
- Discuss any one way of creating a custom web control.
- What is DB Connection Object? Provide a suitable example of its implementation.

Part-II

Unit-I

3. Write notes on the following with respect of DOT NET.

5+5

- Common Intermediate Language(CIL)
- Meta Data

P.T.O.

OR

- (a) Discuss the features of Dot Net. **5**
- (b) Discuss about common language specification. **5**

Unit-II

- 4.** Write notes on the following: **5+5**
- (a) Differentiate between boxing and unboxing.
 - (b) Differentiate between an abstract class and an interface.

OR

- (a) Discuss the application life cycle of ASP Net. **5**
- (b) Discuss the implementation of Ad Rotator Control with the help of an example. **5**

Unit-III

- 5.** (a) Write a note on File Upload Control. Also discuss some of the important properties of File Upload Control with the help of a suitable example. **5**
- (b) Write a code to show the implementation of a Custom Web Control. **5**

OR

- (a) Discuss the important properties and methods of the Base Validator Class. **5**
- (b) Discuss the business objects with respect to ASP. Net **5**

Unit-IV

- 6.** Differentiate between Connected Model and Disconnect Model with respect to ADO. Net Object Model with a suitable example. **10**

OR

- Write notes on the following: **5+5**
- (a) Data Table
 - (b) Data Views
