

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BC-275

B.C.A. (Part-III) DUE Part-II Examination, 2021

(C#)

Paper - BCA-206 (B)

Time : 1½ Hours]

[Maximum Marks : 70

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

(खण्ड-अ)

(अंक : 2 × 10 = 20)

नोट :- सभी **दस** प्रश्नों के उत्तर दीजिए (उत्तर-सीमा **50** शब्द)। प्रत्येक प्रश्न **2** अंक का है।

Section-B

(Marks : 4 × 5 = 20)

Note :- Answer all *five* questions. (Answer limit **200** words). Each question carries **4** marks.

(खण्ड-ब)

(अंक : 4 × 5 = 20)

नोट :- सभी **पाँच** प्रश्नों के उत्तर दीजिए (उत्तर-सीमा **200** शब्द)। प्रत्येक प्रश्न **4** अंक का है।

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

(खण्ड-स)

(अंक : 10 × 3 = 30)

नोट :- पाँच में से किन्हीं **तीन** प्रश्नों के उत्तर दीजिए (उत्तर-सीमा **500** शब्द)। प्रत्येक प्रश्न **10** अंक का है।

BI-631

(1)

BC-275 P.T.O.

Section–A

2 each

1. (i) What are the features of C sharp (C#) ?
- (ii) Explain namespace in C #.
- (iii) What is Constant ? Give an example.
- (iv) What are Keywords ?
- (v) Explain types of comments in C# with examples.
- (vi) Write down the C# syntax to catch an exception.
- (vii) What is Struct in C# ?
- (viii) What is Jagged Arrays in C# ?
- (ix) Write any *two* properties used in C#.
- (x) Can a 'Bool' and a 'Nullable' be the same in C# ?

Section–B

4 each

2. Differentiate between Type Casting and Type Conversion in C#.

Or

What is the difference between Break and Continue in C# ? Discuss with are example.

3. Explain Static Class with example in C#.

Or

Define Destructor with Syntax.

4. What is a Sealed Class with example in C# ?

Or

What is Static Polymorphism ? Explain with an example Operator Overloading.

5. Explain Exception Handling with example in C#.

Or

What is Serialization in C# ?

6. What is Properties ? Do they have name storage location ?

Or

What are fields and accessors ? Are properties always public C# ?

Section–C

10 each

7. What are the differences between Java and C# ?
8. What is Enum ? Can a enum of one type be assigned to another type. Explain with an example.
9. Differentiate between Static Class and Static Constructor with an example.
10. What is List in C# ? Explain any *two* type of list in C# with example.
11. Explain Delegates and Events with example in C#.