

Roll No : .....

Total No. of Questions : 11 ]

[ Total No. of Printed Pages : 3

# SP-701

M.Sc. (Final) Examination, 2021

COMPUTER SCIENCE

Paper - MCS-204 (B)

(Web App. Programming)

Time : 1½ Hours ]

[ Maximum Marks : 50

## 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 : 3 × 5 = 15)

**Note :-** Answer all *five* questions. Each question has internal choice (Answer limit 200 words). Each question carries 3 marks.

(खण्ड-ब)

(अंक : 3 × 5 = 15)

**नोट :-** सभी पाँच प्रश्नों के उत्तर दीजिए। प्रत्येक प्रश्न में विकल्प का चयन कीजिए (उत्तर-सीमा 200 शब्द)। प्रत्येक प्रश्न 3 अंक का है।

## Section-C

(Marks : 5 × 3 = 15)

**Note :-** Answer any *three* questions out of five (Answer limit 500 words). Each question carries 5 marks.

(खण्ड-स)

(अंक : 5 × 3 = 15)

**नोट :-** पाँच में से किन्हीं तीन प्रश्नों के उत्तर दीजिए (उत्तर-सीमा 500 शब्द)। प्रत्येक प्रश्न 5 अंक का है।

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SP-701 P.T.O.

**Section–A**

2 each

1. Attempt all *ten* questions. Answer should not exceed **50** words in each question.
  - (i) What are Jagged Arrays ?
  - (ii) What is Assemblies Code ?
  - (iii) What is Ad Rotator ? Give with synatax.
  - (iv) What is Data Grid ?
  - (v) What is Unboxing ? With example.
  - (vi) What is MSIL ?
  - (vii) What do you mean by Web form ?
  - (viii) Define Web Services.
  - (ix) What is SOAP ?
  - (x) Why we use a Required Field Validator ?

**Section–B**

3 each

**Note** :- Attempt all questions. Answer should not exceed **200** words in each question.

2. Explain .Net Architecture and use of CLR ?

*Or*

Explain CLS and FCL.

3. What is Interface ? Explain with any example.

*Or*

What are Indexers ? Explain with example.

4. Difference between ASP and ASP.NET ?

*Or*

Write a web application code in ASP.NET using any web form and web controls.

5. Write a web application code using any *two* validation control.

*Or*

What is the concept of IS post back property to handle post back forms ?

6. Create a connection using ADO.NET object model.

*Or*

Use of data adapter control. Explain if using ADO.NET.

**Section–C**

5 each

7. What is ?

- (a) CLR Or BCL
- (b) JIT
- (c) CTS
- (d) Similarities and differences from Java and C#.

8. Write a short notes on the following :

- (a) Reflection with example
- (b) Delegates with example

9. What is Checkbox and Checkbox List ? Write its basic properties.

10. What is State Management ? Describe its types.

11. (a) Write a program to insert a record in DB.

- (b) Short note on the following :

- (i) DataReader Class
- (ii) DataSet Class