

M.Sc. - II (Computer Science) (CBCS Pattern) Semester-III
PSCST12 - Paper-IV - C# .NET

P. Pages : 2

Time : Three Hours



GUG/W/24/11235

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram wherever necessary.
 3. Avoid vague answer and write specific and related answer to questions.

Either:

1. a) What is C#? Explain in detail different characteristics of C#. 8
- b) Explain the following. 8
 - i) CLR ii) CTS

OR

- c) What are the benefits of C#? Write down the comparison among C# & Java. 8
- d) Write in detail about the evolution of C#. 8

Either:

2. a) What do you mean by delegate? State their use with an example. 8
- b) Write a program in C# to demonstrate constructor and explain types of constructor. 8

OR

- c) Explain in detail about events in C#. 8
- d) Write a program in C# to generate prime numbers between 1 to 10. 8

Either:

3. a) Explain the benefits and characteristics of web services. 8
- b) Explain ADO not with example. 8

OR

- c) Explain Graphical device interface with C#. 8
- d) Explain any four web forms control with example. 8

Either:

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|-----------|-----|--|----------|
| 4. | a) | Explain private and public assemblies with examples. | 8 |
| | b) | Explain the followings. | 8 |
| | i) | Type discovery | |
| | ii) | Viewing Metadata | |

OR

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|-----------|----|---|----------|
| | c) | Develop client server application using C#. | 8 |
| | d) | Write a program in C# to develop client server application. | 8 |
| 5. | | Attempt all the questions. | |
| | a) | Write short note on Net framework. | 4 |
| | b) | Explain in brief windows application. | 4 |
| | c) | Explain the advantages of web services. | 4 |
| | d) | Write short note on Reflection. | 4 |
