

P. Pages : 1

Time : Three Hours



GUG/S/18/3443

Max. Marks : 80

- Notes : 1. All question are compulsory and carry equal mark.
2. Draw neat and clean diagram wherever necessary.
3. Avoid vague answer and write Answer relevant and specific to questions.
Either.

1. a) Discuss in detail the comparison between C++ and C#. **8**
b) Write in detail about the evolution of C#. **8**
OR
c) Explain in detail different benefits or C#. **8**
d) Explain in detail. **8**
i) CLR ii) CTS

Either.

2. a) What is the difference between errors and inceptions? Explain in detail. **8**
b) Write a program to find sum of first 'n' odd numbers. **8**
OR
c) What do you meant by constructor? Explain in detail various types of Constructor in C#. **8**
d) Write a program to count the positive and negative numbers between X and Y. **8**

Either.

3. a) Discuss in detail the process for connecting Ms-Access database with C# using ADO.Net concept. **8**
b) Create a ASP.Net web form to find a bill if discount of 10% on bill of Rs. 2500/- is given. **8**
OR
c) What is meant by web services? Explain its benefits and characteristics. **8**
d) Write a program to connect SQL server with C# and show the records of table EMP. **8**

Either.

4. a) Explain in detail the structure and features of .Net Assemblies. **8**
b) Explain the process for creating. **8**
i) Server. ii) Client.
OR
c) What do you mean by Generic? Explain in detail. **8**
d) Define Threads. write a program to demonstrate thread. **8**

5. Attempt all the questions.
a) Explain in brief benefits of C# over C++. **4**
b) Explain in brief about delegates. **4**
c) Explain the difference between web services and window services. **4**
d) Write a short note on Marshalling. **4**
