

Third Semester M. Sc. (Part-II) (CBCS Pattern)
Examination

COMPUTER SOFTWARE

Paper - XI

•NET Technologies - II

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) Assume suitable data wherever necessary.
(2) Illustrate your answer wherever necessary with the help of neat sketches.

1. (A) Explain •Net framework architecture in detail. 8
(B) What are common class library in C# ? Explain. 8

OR

2. (A) Explain :—
(i) General purpose languages. 8
(ii) Domain specific languages. 8
(B) What are the features of •Net platform ? Explain in brief. 8
3. (A) What are operators ? Enlist categories of operators in C# and its precedence. 8

- (B) Write a C# program to generate following pattern

```

1
2   2
3   3   3
4   4   4   4
5   5   5   5   5

```

OR

4. (A) How Input is given to a C# program ?
Explain with proper syntax and example.

8

- (B) Write a C# code to print a fibonacci series
first N terms.

8

5. (A) Write a program to demonstrate the working
of an abstract class.

8

- (B) Explain the concept of method overriding
with suitable example.

8

OR

6. (A) Explain the classes and objects in C# with
example.

8

- (B) What are abstract methods ? Explain with
example.

8

7. (A) What is exception handling ? Explain
exception handling routine with example.

10

- (B) What is enumeration ? Write a program to
create and use an enumerator.

6

OR

8. (A) Write a C# code to print an Identity matrix
for given dimension.

6

- (B) What is ADO ? Explain how to use ADO
for Data Access in C# with suitable code.

10

9. (A) What is object clean up ? How to force an
object clean up ? Explain.

10

- (B) What are miscellaneous printing objects in
C# ? Enlist and explain.

6

OR

10. (a) What is garbage collection ? Write and
explain the algorithms used for garbage
collection.

10

- (B) What is Resurrection ? Explain.

6

