

This question paper contains 3 printed pages]

**AG—53—2014**

**FACULTY OF COMPUTER STUDIES**

**B.Sc. (C.S.) (Third Semester) EXAMINATION**

**MARCH/APRIL, 2014**

**COMPUTER SCIENCE**

(Programming Language Concept)

**(Wednesday, 2-4-2014)**

**Time : 2.00 p.m. to 5.00 p.m.**

---

*Time—Three Hours*

*Maximum Marks—80*

*N.B.:*—(i) All questions are compulsory.

(ii) Draw figures if necessary.

(iii) All questions carry equal marks.

1. Attempt the following :

20

(i) Explain data types.

(ii) Explain abstraction.

(iii) Explain algorithm complexing.

(iv) Explain binding time.

P.T.O.

2. (a) Explain history of programming language in detail. 8
- (b) Explain formal properly of language. 7

Or

- (c) Explain objects and messages in detail. 8
- (d) Explain derived class in detail. 7
3. (a) Explain syntactic element of programming language. 8
- (b) Explain vector in detail. 7

Or

- (c) Explain Java overview in detail. 8
- (d) Explain scalar data type in detail. 7
4. (a) Explain array in detail. 8
- (b) Explain encapsulation in detail. 7

Or

- (c) Explain hierarchie of virtual machine in detail. 8
- (d) Explain stages in translation in detail. 7

5. Write notes on (any *three*) :

15

- (i) Computer H/W;
- (ii) List;
- (iii) Type checking;
- (iv) Virtual computer;
- (v) Method.

This question paper contains 3 printed pages]

**AG—54—2014**

**FACULTY OF COMPUTER STUDIES**

**B.Sc. (C.S.) (Second Year) (Third Semester) EXAMINATION**

**MARCH/APRIL, 2014**

**(Revised Course)**

**COMPUTER SCIENCE**

**Paper S3.3**

**(Visual Basic .Net)**

**(Wednesday, 2-4-2014)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—Three Hours*

*Maximum Marks—100*

*N.B.:*—(i) All questions are compulsory.

(ii) Assume suitable data if necessary.

(iii) Figures to the right indicate full marks.

1. Attempt the following :

20

(a) Forms and dialog boxes

(b) IDE

(c) The rich text control

(d) Formating URL.

P.T.O.

2. (a) Explain Menu Editor. 8
- (b) What way to create event handler at Run-time. 7

*Or*

- (c) Explain subroutines and function in detail. 8
- (d) Explain text selection method. 7
3. (a) Explain My base and My class keywords in VB.Net. 8
- (b) Explain imagelist control. 7

*Or*

- (c) What is char and string class ? Explain in detail. 8
- (d) Explain types of error. 7
4. (a) Explain advanced editor features of VB .Net. 8
- (b) Explain MDI Application. 7

*Or*

- (c) Explain Color Dialog Box. 8
- (d) Explain file stream object. 7

5. Write short notes on any *three* :

15

- (a) Start page
- (b) Subroutines
- (c) Debugging
- (d) The date class
- (e) Menu editor.