BSc DEGREE EXAMINATION DECEMBER 2017
(Third Semester)

Branch – MATHEMATICS WITH COMPUTER APPLICATIONS

VISUAL BASIC

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 x 2 = 20)

1   What are the two major components of visual basic?

2   What are the numeric constants? Give examples.

3   List down the logical operators in VB with examples.

4   What is meant by properties of an object? Write any 4 common properties of objects.

5   Distinguish between syntactic & logical errors.

6   How does the InputBox function differ from the MsgBox function?

7   Define a procedure and hence list the 3 types of procedure in VB.

8   Define an array and give examples.

9   Write any two differences between sequential & Random access files.

10   Write the 4 basic commands used in file handling.

SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks (5 x 5 = 25)

11   a   Explain the hierarchy of operators in evaluating arithmetic expression with examples.
OR
     b   Write the syntax, meaning and example for any five library functions in VB.

12   a   Explain the various forms of "IF" statements in VB with examples.
OR
     b   Explain the four forms of "Do" loop structure in VB.

13   a   Write short notes on submenus with an example.
OR
     b   Write short notes on dialog boxes with an example.

14   a   How will you define and access a sub procedure? Explain with an example.
OR
     b   Define and access a function procedure that determines the factorial of a positive integer.

15   a   Write short note on data file characteristics.
OR
     b   What is the use of common dialog control? Explain with an example.

16   Discuss in detail about VB environment.

17   Write a loop that will calculate the sum of every third integer, beginning with I = 2 (i.e., calculate the sum 2 + 5 + 8 + 11 + ...) for all values of I that are less than 100. Write the lop in each of the following ways: (a) Using a for-next structure (b) Using a Do while-Loop structure.

18   Discuss in detail about error handlers with example.

19   Write a program in VB to generate 'n' random numbers and hence sort them in ascending order. Use a sub procedure to sort array elements..

20 a   Write a program in VB to create a sequential data file "STUD.DAT" containing the students mark record with the following fields:
Reg_No, Name, Mark1, Mark2, Mark3.

   b   Write a program to access the file "STUD.DAT" and calculate the total, average, result & class for each record by assuming necessary logic and display all the details in a neat format.

                    Z-Z-Z   END