

[This question paper contains 5 printed pages.]

5545

Your Roll No. ....

**B.A. Prog. / III**

**D**

COMPUTER APPLICATION – PAPER-III-(B)

(Programming in Visual Basic)

(Admissions of 2004 and onwards)

*Time : 3 Hours*

*Maximum Marks : 45*

*(Write your Roll No. on the top immediately  
on receipt of this question paper.)*

*Question No. 1 is compulsory.*

*Attempt any **three** from the Q2 to Q6.*

*Part of a question must be answered together.*

1. (a) Differentiate between the compile time error, runtime error and logical error. (3)
- (b) What is the purpose of Val () function? What will be the output of Val (123AB) and Val (\$100)? (3)
- (c) Explain the purpose of ListIndex property, AddItem property and the ListCount property. (3)

P.T.O.

(d) Change the following properties of a text box “txtName” using With.. .End statement :

(i) Set the Text property to “John”

(ii) Set the visible property of the text box to true

(iii) Set the font property of a textbox as bold and size as 12 points (3)

(e) Write Visual Basic conditional statement to calculate the Grade of a student on the basis of following criteria :

Marks	Grade
75-100	A
40-74	B
Less Than 40	C

(3)

2. (a) What is the purpose of MessageBox() ? Give any two examples of MessageBox constants. (3)

(b) Explain the difference between a variable and a constant. List a named constant and an intrinsic constant. (3)

(c) What will be the output of FormatCurrency (mcurAveragePay) where mcurAveragePay has a value of 123.456. (2)

- (d) What will be the result of following statement in Visual Basic ?
- $(B^A) + C*2$
- Assume A=2, B=4, C=3 (2)
3. (a) What does cmdPush\_click () mean ? To what does cmdPush and click () refer ? (2)
- (b) What is a ToolTip property ? How can you make a ToolTip appear ? (2)
- (c) What property must be set to centre text in a label ? What should be the value of a property ? (2)
- (d) What is general declaration section of a form module ? What does it contain ? (2)
- (e) Write the basic statement to clear the textbox called txtCompany and then place the insertion point in the textbox. (2)
4. (a) Differentiate between the following :
- (i) Step Into and Step Over
- (ii) ByVal and ByRef
- (iii) Function procedure and a Sub procedure (6)

(b) How many times the following loop will run ?

For intIndex = 50 to 0 step -10

Next intIndex (1)

(c) What is a variant data type ? State an advantage and a disadvantage of using a variant data type.

(3)

5. The workers of a factory are paid by the product units as given below : (10)

Product Units	Price Paid per Unit
1-199	.50
200-399	.55
400-599	.60
600 or more	.65

Name of the Worker	<input type="text"/>
No of product units completed	<input type="text"/>
Total Amount (Wage) earned	<input type="text"/>
<input type="button" value="Calculate Wage"/>	<input type="button" value="Exit"/>

Write a Visual Basic code to calculate the total amount earned by a worker on the basis of above given criteria.

6. (a) Differentiate between a Data Control and a Data-Bound Control. (2)

(b) Write a Visual Basic code to sum up the elements of a one dimensional array named as `intNumbers` and having five elements as given in following example.

10	60	30	50	20
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(4)

- (c) What will be the output of the following statements ?

(i) `Right ("My College", 5)`

(ii) `Len("My College")`

(iii) `Mid("My Country", 2, 6)`

(iv) `Printer. Print 1,2,3,4,5,6,7` (4)