



UNIVERSITY OF THE PUNJAB

Fourth Semester 2015
Examination: B.S. 4 Years Programme

Roll No.

PAPER: Visual Programming Concept
Course Code: BBA-208 /

TIME ALLOWED: 2 hrs. & 30 mins.
MAX. MARKS: 50

Attempt this Paper on Separate Answer Sheet provided.

SUBJECTIVE TYPE

Q 2: Answers the following short questions:

(10 x 02 = 20)

1. Difference between source code and object code?
2. Difference between procedural and non-procedural languages?
3. Difference between compiler and interpreter?
4. Write an algorithm to input two numbers calculate sum then display the result on screen?
5. Write a program that store two values in two integer variables, perform all arithmetic operations on them and display the results?
6. What is assignment operator?
7. Difference between if-Else and Select-Case statement?
8. What is infinite Loop?
9. Name two types of Subprograms?
10. Write general syntax for Procedure call and Function call

Q 3: Long Question:

(10 x 03 = 30)

1. (a) Write a program that gets three integers from the user and displays the minimum number? (5)
(b) Write a program that inputs a number from the user in textbox and displays Factorial of that number using Do-While Loop in another textbox? (5)
2. (a) What are the rules for naming variables? (5)
(b) Write an algorithm to find the sum of first fifty numbers? (5)
3. Write the program that should accept obtained marks in an examination it should then calculate the percentage and assign a grade to a student. Display marks in each subject, total percentage and grade. A criterion is given below (Take 5 subjects) (10)

Percentage	Grade
≥ 80	A1
≥ 70 but < 80	A
≥ 60 but < 70	B
≥ 50 but < 60	C
≥ 40 but < 50	D
< 40	F



UNIVERSITY OF THE PUNJAB

Fourth Semester - 2017
Examination: B.S. 4 Years Programme

Roll No.

PAPER: Visual Programming Concept
Course Code: BBA-208 / BUS-22350

TIME ALLOWED: 2 hrs. & 30 mins.
MAX. MARKS: 50

Attempt this Paper on Separate Answer Sheet provided.

Section II: Subjective

Marks: 50

Q2. Give brief answers to the following questions (Short Questions)

Marks: (10*2=20)

1. Differentiate between source code and object code.
2. Differentiate between procedural and non-procedural languages.
3. Differentiate between compiler and interpreter.
4. Explain explicit and implicit declaration?
5. What is built_ in functions?
6. Explain the purpose of relational operators and logical operators?
7. What the Difference is between if-Else and Select-Case statement?
8. What is assignment operators?
9. What are Methods of Form?
10. Explain two types of Subprograms.

Q3. Give detail answers to the following questions (Long Questions)

Marks: 30

1. Write a program that takes a number from user as an input in a textbox and display the Factorial of the number using Do-While Loop in another textbox. (10)
2. Write a program that accept obtained marks of five subjects of a student in an examination. Then calculate the percentage and assign grade to a student. Display marks of each subject, total percentage and grade. Grading Criterion is given below (10)

Percentage	Grade
≥ 80	A+
≥ 70 but < 80	A
≥ 60 but < 70	B
≥ 50 but < 60	C
≥ 40 but < 50	D
< 40	F

3. (a) What are the rules for naming variables? (5)
(b) Write an algorithm to find the sum of first fifty numbers? (5)



UNIVERSITY OF THE PUNJAB

Fourth Semester - 2018

Examination: B.S. 4 Years Programme

Roll No.

PAPER: Visual Programming Concept

TIME ALLOWED: 2 Hrs. & 45 Mints.

Course Code: BBA-208 / BUS-22350 Part – II

MAX. MARKS: 50

Attempt this Paper on Separate Answer Sheet provided.

Q2. Give brief answers to the following questions (Short Questions). Marks: (10*2=20)

1. Differentiate between source code and machine code.
2. Differentiate between compiler and interpreter.
3. Explain what is meant by scope of variable
4. What is a user defined function?
5. What is the usage of wild cards in programming?
6. What is the use of loop in programming?
7. What is the difference between if-else and Select Case statement?
8. What is a Label in programming?
9. What are the various types of sub programs?
10. What is the use of arrays in programming?

Q3. Give detail answers to the following questions (Long Questions) Marks: 10x3=30

1. Write a program that takes a number from user as an input in textbox and display weather that number is even number or odd number.
2. What are variables and its types explain?
3. Write a program that accept obtained marks of four subjects of a student in an examination, then calculate the percentage and assign grade to a student. Display marks of each subject, total percentage and grade. Grading criterion is given below

Percentage	Grade
≥ 90	A*
≥ 85	A
≥ 75	B*
≥ 65	B
≥ 55	C
≥ 45	D
< 45	Fail



UNIVERSITY OF THE PUNJAB
B.S. 4 Years Program / Fourth Semester – 2019

Roll No.

Paper: Visual Programming Concept
Course Code: BBA-208 / BUS-22350 Part – II

Time: 2 Hrs. 45 Min. Marks: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q2. Give brief answers to the following questions (Short Questions). Marks: (10*2=20)

1. Define instance in object-oriented programming.
2. Define destructor.
3. What is abstraction and its benefits.
4. What is exception handling?
5. What are the access modifiers?
6. What is early and late Binding?
7. What is the difference between structure and a class?
8. What is the use of constant variables?
9. Define nested if statement and also give an example.
10. Define function and its benefits.

Q3. Give detail answers to the following questions (Long Questions) Marks: 30

1. State the important features of Object-Oriented Programming. Compare Object-Oriented programming with Procedure-Oriented programming.
2. difference between abstraction and encapsulation with detail example in your word.
3. Write an algorithm to print table from 2 to 10.

Eg. 2 X 1 = 2
 2 X 2 = 4
 : : :
 3 X 1 = 3
 3 X 2 = 6
 : : :



ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q2. Give short answers to the following questions. (10x2=20)

1. Difference between keyword and identifier
2. Describe the benefits of array with help of example code.
3. Difference between global and local variable.
4. How can we take decision in programming?
5. Define nested for loop with example.
6. Difference between function and procedure
7. Define constant variable and its usage.
8. What is polymorphism
9. Differentiate between DO-While and for loop.
10. Define inheritance and explain with real world example.

Q3. Give answers to the following questions. (3x10=30)

1. Write a program that takes two numbers from the user as an input, and then demonstrates the working of a calculator?
Hint: Calculator working is like addition, multiplication, subtraction of two numbers
2. Define inheritance and explain with real world example.
3. Write an algorithm to find the products of first 15 numbers.



UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – Spring 2022

Paper: Visual Programming Concept

Course Code: BBA-208

Roll No.

Time: 3 Hrs. Marks: 60

THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Answer the following short questions.

(6x5=30)

- A. What is a source code?
- B. What do you mean by a logical error?
- C. What is the purpose of Interpreter?
- D. Which loop should you use when you know the number of required iterations and why?
- E. What are global variables?
- F. What is polymorphism?

Q.2. Answer the following questions

(3x10=30)

- A. Write a program that takes two numbers from user as an input and display their sum, difference, product, quotient, and average.
- B. Write a program that takes three numbers from user as an input and display them in their ascending order.
- C. Write a program that lets the user enter 100 integers into an array and display all the even numbers exist in the inputted array.

**THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED**

Q.1. Answer the following short questions.

(6x5=30)

Provide a brief description of each of the following concepts/tools/processes, limiting your response to maximum TWO pages each.

- 1) What are identifiers in programming and why are they important?
- 2) What is a template in programming, and how is it used?
- 3) How are constants defined and used in programming?
- 4) Write the output produced by the following program.

```
Dim x As Decimal
Dim y As Decimal
x = 5.1
y = 2
Console.WriteLine("x \ y = " & x \ y)
Console.WriteLine("x Mod y = " & x Mod y)
```

5) Write the output produced by the following program.

6) Write the output produced by the following program.

```
Dim x As Integer = 4
Dim y As Integer = 6
Dim z As Integer = 1
If (x > y) And (x > z) Then
    Console.WriteLine("X")
ElseIf (y > z) Then
    Console.WriteLine("Y")
Else
    Console.WriteLine("Z")
End If
```

```
Dim size As Integer = 4
For i As Integer = 1 To size
    For k As Integer = 1 To 1 * 2 - 1
        Console.Write(" ")
    Next
    For j As Integer = 1 To size - 1
        Console.Write(" ")
    Next
    Console.WriteLine()
Next
```

Q.2. Answer the following questions

(3x10=30)

- 1) Write a program that prompts the user to enter two integers and displays "Odd" if the absolute difference between them is an odd number, and "Even" if the absolute difference between them is an even number.
- 2) Write a complete program that accepts or rejects applicants for seasonal jobs. To qualify for a job, an applicant must be at least 16 years old and have two-year work experience. Additionally, the applicant must either be able to lift at least 40 pounds or be able to type 50 words per minute. Accept all relevant data from a user and display an appropriate message (Accepted or Rejected).
- 3) Write a program that lets the user enter a series of integers. The user should enter -99 to signal the end of the series. After all the numbers have been entered, the program should display the smallest number entered by the user.