



PAC INSTITUTE OF TECHNOLOGY AND SOCIAL STUDIES MAY – JULY 2025 ASSESSMENT

FORMATIVE ASSESSMENT

Qualification / Course : COMPUTER PROGRAMMING

Unit of Competency : EVENT DRIVE PROGRAMMING

WRITTEN ASSESSMENT TIME: 3 HOURS

INSTRUCTIONS TO THE CANDIDATE:

- 1. Read all the instructions carefully before attempting the questions.*
- 2. This paper consists of two sections, A & B.*
- 3. You are allowed 3 Hours to Answer the questions.*
- 4. Marks for each question are indicated in brackets.*
- 5. Write your responses in the Separate Answer booklet provided.*
- 6. Do not write anything on this question paper.*

SECTION A: (40 MARKS)

*Answer **ALL** questions in this section.*

1. Explain Event-Driven Programming (EDP). (3 Marks)
2. Compare Event-Driven Programming with Procedural Programming. (4 Marks)
3. Explain TWO key terminologies used in Event-Driven Programming. (4 Marks)
4. Describe the two main phases of Event-Driven Programming. (4 Marks)
5. Define Human-Computer Interaction (HCI) (2 Marks)
6. Highlight Four common mistakes in interface design. (4 Marks)
7. Name two types of applications supported by the .Net Framework. (4 Marks)
8. Name three applications supported by the .Net framework. (3 Marks)
9. List four components of the .Net framework. (4 Marks)
10. State four components of the .Net Framework (4 Marks)
11. Explain Two key features of VB.Net (4 Marks)

SECTION B: (60 MARKS)

*Answer any **THREE** questions in this section.*

12. You are the head of the department and you are tasked to develop a student management system for your department using visual basic programming language.
- a) Explain the structure of a VB.Net program. (10 Marks)
 - (b) Describe the process of creating a VB.Net project, including saving, compiling, and running a project. (10 Marks)
13. (a) You are a software developer for your company you are designing a system to help I solving key responsibilities. Explain the difference between Variables and Constants in VB.Net. (6 Marks)
- (b) You are to use different functions in you design. Describe the various Type Conversion Functions in VB.Net with examples. (8 Marks)
 - (c) Write a VB.Net code snippet that accepts user input and displays the output using a MessageBox. (6 Marks)
14. (a) As a software developer you have different ways to solve problems. Discuss different Decision-Making Control Structures in VB.Net. (10 Marks)
- (b) Write a VB.Net code that demonstrates the use of a Select Case statement. (10 Marks)
15. (a) Define an Event Handler and list the different types of events in VB.Net. (8 Marks)
- (b) Describe how Mouse Events and Keyboard Events are handled in VB.Net with examples. (6 Marks)
 - (c) Explain how properties, methods, and events are used in VB.Net controls. Provide an example for each. (6 Marks)