

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE **24 UBC 411**

DURING THE ACADEMIC YEAR 2024-25 ONLY)

REG.NO.

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : MAY– 2026

B.C.A.

MAXIMUM MARKS: 75

IV SEMESTER

TIME : 3 HOURS

PART – III

VISUAL PROGRAMMING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Which component manages memory in .NET?
a) JIT b) BCL c) CLR d) IDE
2. The ASP.NET parser converts
a) HTML to XML b) ASPX page into a class c) C# to Java d) CSS to HTML
3. Which validation control checks required fields?
a) RangeValidator b) CompareValidator
c) RequiredFieldValidator d) RegularExpressionValidator
4. Managed providers are ____
a) Native drivers b) .NET data access components
c) HTML controls d) IIS services
5. Application configuration settings in ASP.NET are stored in ____
a) webform.aspx b) global.asax c) web.config d) machine.config

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. What is meant by metadata?
7. State the role ASP.NET parser.
8. Define server control.
9. Name the main components of ADO.NET Data Provider.
10. State the use of web-service.

(CONTD 2)

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(K3)

11. a) Explain Base Class Library (BCL).
(OR)
b) Demonstrate the VB.NET IDE and Debugging tools.
12. a) Give short notes on ASP.NET components
(OR)
b) Explain the concept of assemblies in ASP.Net.
13. a) Explain the types of validation controls
(OR)
b) Demonstrate how error handling is done in ASP.NET
14. a) Illustrate about ADO.NET object model.
(OR)
b) Illustrate the process of data binding in ASP.NET
15. a) Explain ASP.NET Application Configuration.
(OR)
b) Write short notes on localization

SECTION – C

(5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(K4 (Or) K5)

16. a) Discuss the .NET framework architecture
(OR)
b) Trace the VB.Net compilation and execution process.
17. a) Illustrate the role of IIS in ASP.NET
(OR)
b) Discuss the working of ASP.NET parser.
18. a) Explain Validation Controls, AdRotator and Security in ASP.NET.
(OR)
b) Analyse the Security features in ASP.NET.
19. a) Deconstruct and Analyse DataSet and Managed Providers.
(OR)
b) Explain how ASP.NET interacts with SQL Server using ADO.NET.
20. a) Appraise the role of ASP.NET Caching.
(OR)
b) Illustrate the SOAP architecture.