(FOR THE CANDIDATES ADMITTED

 DURING THE ACADEMIC YEAR 2023 ONLY)

23UBC411

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : MAY - 2025

B.C.A   **MAXIMUM MARKS: 75**

SEMESTER: IV   **TIME : 3 HOURS**

PART - III
VISUAL PROGRAMMING

SECTION – A   **(10 X 1 = 10 MARKS)**

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.   **(K1)**

1. Which language is primarily used for ASP.NET Web Application Development?
   a) Java   b) C#   c) Python   d) Ruby

2. What does the ASP in ASP.NET stand for?
   a) Active Server Pages   b) Application Service Pages
   c) Active Service Pages   d) Application server Pages

3. Which of the following is an ASP.NET server control?
   a) <div>   b)asp:button   c)<header>   d)<input>

4. Which method is used to redirect a user to another page in ASP.NET?
   a) Response.Redirect()   b)Page Transfer()   c)Server Redirect()   d)Page redirect()

5. Which event occurs first in the Web forms page life cycle?
   a) Page_Load   b) Page_Init   c) Page_PreRender   d) Page_Unload

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.   **(K2)**

6. What languages are supported by .NET Framework?

7. State the purpose of the IIS.

8. State the difference between an Windows-based application and Web-based application .

9. What is ADO.NET Object Model?

10. What is Globalization and Localization in ASP.NET ?

SECTION – B   **(5 X 5 = 25 MARKS)**

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

11. a) Differentiate between .NET Framework and .NET Core .

(OR)

    b) Assess the limitations of the .NET Framework.

12. a)   Explore the features of Visual Web Developer .

(OR)

   b)   Sketch the Assemblies in .NET Framework.

13. a)   Sketch ASP.NET Page life cycle .

(OR)

   b)   Assess the Security Practices and Features in .NET.

14. a)   Describe the Data Binding concepts.

(OR)

   b)   List the ADO.NET DataSets properties and methods.

15. a)   Describe briefly CACHING in ASP.NET.

(OR)

   b)   Sketch ASP.NET Deployment Process.

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 role of CLR in .NET framework.

(OR)

   b)   Anaylze the .NET Framework and Discuss its Advantages and Disadvantages ?

17. a)   Discuss ASP.NET Architecture.

(OR)

   b)   Analyze the role of .NET Runtime and state its benefits.

18. a)   Summarise the Server controls in ASP.NET page framework.

(OR)

   b)   Elaborate the AdRotator control in detail.

19. a)   Enumerate the process of binding data to a ASP.NET DataGrid with DataTable?

(OR)

   b)   Discuss how to connect an ASP.NET core Application to SQL Server.

20. a)   Discuss how to create a simple web service and use it in ASP.NET.

(OR)

   b)   Enumerate the basics of   SOAP.

****

ETHICAL PAPER