DIPLOMA IN PROGRAMMING LANGUAGE

Paper	Name of Paper	Subject Type	Total Marks	Min Marks
I	Basic Concepts of Programming	Theory	100	40
II	Object Oriented Languages	Theory	100	40
III	ASP.net with C+	Theory	100	40
IV	Database	Theory	100	40
V	Java Programming	Theory	100	40
VI	Visual basics with .net	Theory	100	40
VII	Practical & Viva	Practical	200	100
VIII	Live Projects	Practical	200	100
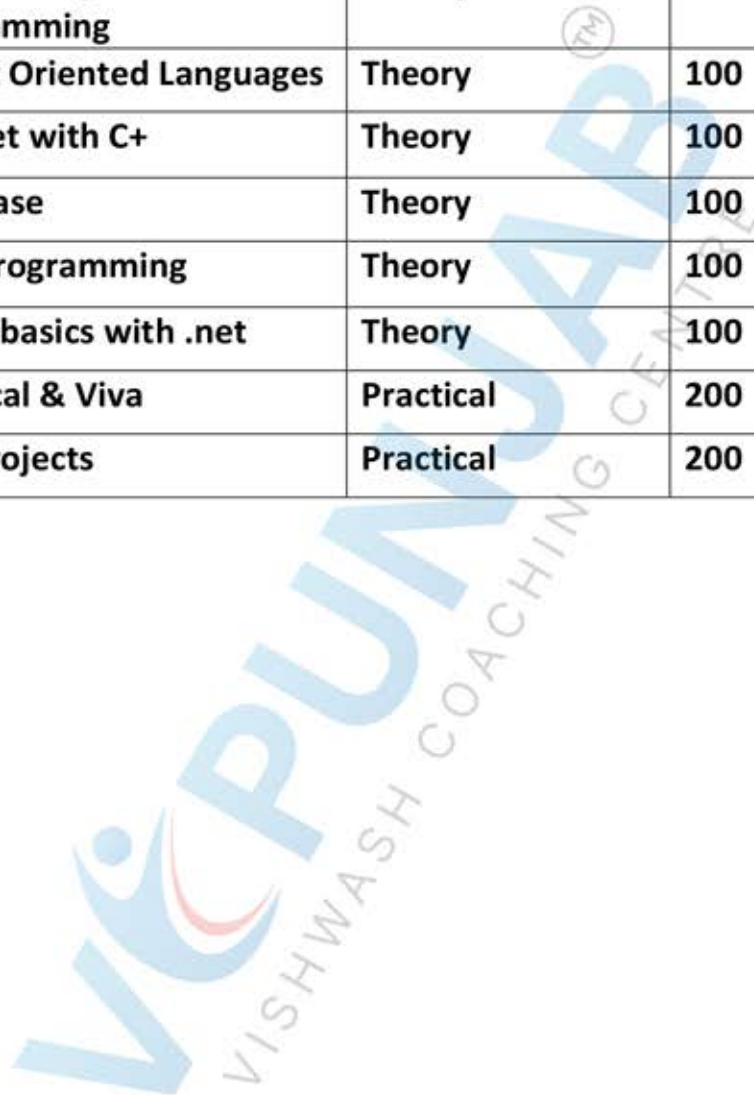
SECTION-A

BASIC CONCEPTS OF PROGRAMMIMG

1. What is Programming?
2. What is Data Structure?
3. What are the basic concepts of Programming?
4. What are the types of Programming?

OBJECT ORIENTED LANGUAGES

1. What is meant by OOP's?
2. What is the need & importance of OOP's?
3. What are the main features of OOP's?
4. What are the principles of OOP's?

SECTION-B

ASP.NET WITH C+

1. What is web application?
2. What are the benefits of ASP.NET core over the classic ASP.NET?
3. Explain HTTP? How it works?
4. What is the need of ASP.NET?

DATABASE

1. What is DBMS? Explain
2. What is Data Redundancy? Explain
3. Explain different type of relationships in database?
4. Enlist the advantages of database?

SECTION-C

JAVA PROGRAMMING

1. What is JAVA?
2. Explain the features of Java?
3. List the features of java programming languages?
4. Explain JDK? Mention the variants of JDK?

VISUAL BASICS OF .NET

1. What is VB.NET? Explain its features?
2. What is the need of visual basics of .net?
3. Why visual basic is important?
4. Explain its types & components?

SECTION-D

1. PRACTICAL& VIVA
2. Live Projects

ASSIGENMENTS
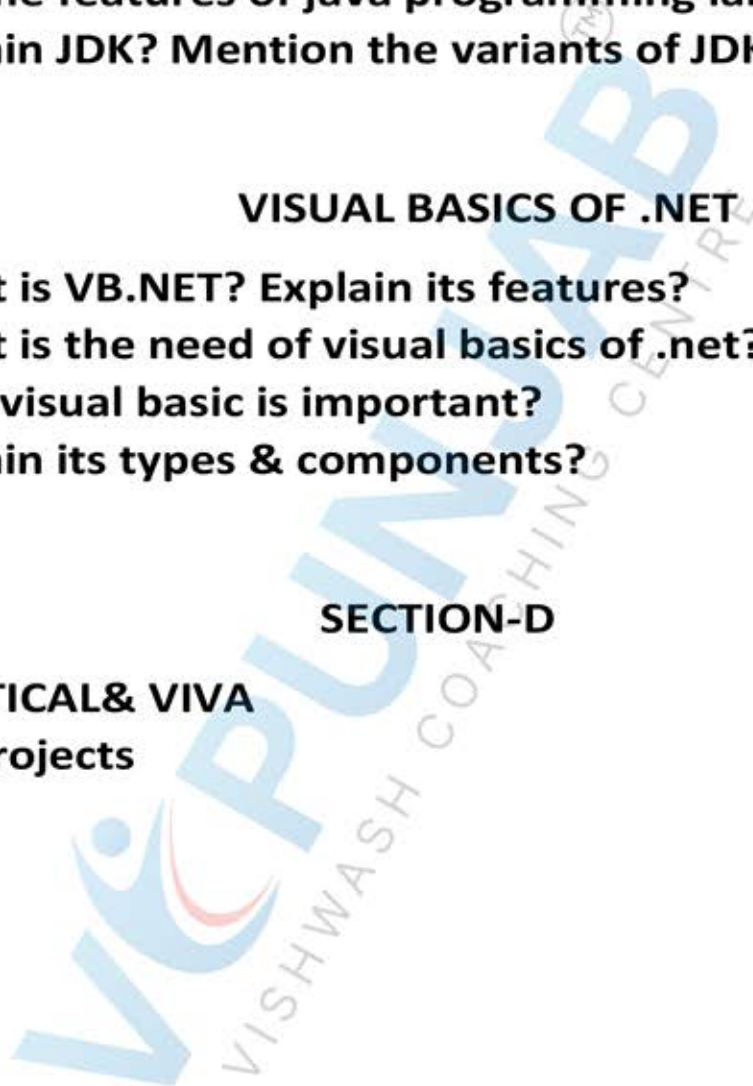
Q.1 MCQ's   (M.M-20)

1. The three main logical operators are

a) and, or not

b) and, not, if

c) or, not, if

d) false, and, true

2. What type of items are valid for use in the value list of a case clause?

a) literals

b) Variables

c) expressions

d) all of the above

3. The input to a user-defined function can consist of

a) a single value

b) one or more values

c) no values

d) all of the above

4. Who developed Visual Basic?

 a) Symantec

b) Ashton-tate

c) Microsoft

d) Sybase

5. Which of the following extension is used to represent the project file in visual basic?

a) .vpb

b) .vb

c) .cls

d) .vvb

6. Which of the following is commonly used to perform an immediate action when clicked in visual studio?

a) Button control

b) Close

c) End

d) Exit

7. In visual basic language what are the rules of a programming language called?

a) grammar

b) order

c) syntax

d) rules

8. Which of the following type of constant is controlchars.newline constant?

a) character

b) pure

c) intrinsic

d) invariable

9. In visual basic a variable name cannot be more than ……. characters.

a) 255

b) 300

c) 355

d) 400

10. ………………………..is a collection of files.

a) class

b) group

c) project

d) all of the above

Q.2 FILL IN THE BLANKS (M.M-20)

1. Key words are also refers to ....words.

2. When the user clicks a button, ...is triggered.

3. Pseudocode is ....

4. An algorithm is defined as ....

5. Different items appearing in the same value list of a select case block must be separated by a ....

6. Visual basic is developed by ....

7. IDE stands for...

8. In ....window we can write code.

9. ....shows the variables within the scope of the current procedure.

10. ....shows the property type as well as a short description of the property.

Q.3 SHORT ANSWER TYPE QUESTIONS (M.M-32)

1. What is ASP.NET?

2. What is Web server?

3. Name the java IDE's?

4. How to reverse a string in java?

5. What is the difference between C++ and Java?

6. Why java platform is not independent?

7. How do you keep your programming & technical knowledge up to date?

8. What are the key features in C programming language?

Q.4 LONG ANSWER TYPE QUESTIONS (M.M-28)

1. Explain ASP.NET?

2. Explain JDK, JRE & JVM?

3. Discuss briefly about programming language?

4. Explain C++ Language?