(B) Explain in detail the process of compiling and executing a Java program. 6

4. (A) What are variables in Java ? Explain how variables are declared and initilized. 6

(B) Write a Java program to print pattern :

```
1
2  2
3  3  3
4  4  4  4
5  5  5  5  5                6
```

OR

5. (A) What are Looping Statements in Java ? Explain for .... Loop with syntax and example. 6

(B) Write a Java program to print a number greatest among three numbers. 6

6. (A) Explain the concept of Abstract class and Abstract methods with suitable example. 6

(B) What are Static Members ? Explain with suitable example. 6

AR – 593

Fifth Semester B. Sc. (Part – III) Examination

5 S : COMPUTER APPLICATION (Voc.)

(Java and ASP Programming)

P. Pages : 6

Time : Three Hours]　　　　　　　　　[Max. Marks : 80

Note : (1) Question **One** is compulsory.

(2) Question **Two** to **Thirteen** carry equal marks.

(3) Draw neat sketches wherever necessary.

(4) Assume suitable data wherever necessary.

1. (A) Fill in the blanks :—

(i) _____ compiler is used to compile a Java program.

(ii) _____ type of Inheritance is not supported by Java.

(iii) _____ is used to create hyperlink.

(iv) _____ and _____ are the methods of form tag. 2

(B) Choose the correct alternatives :—

(i) The Java intermediate code is called as :

(a) First code.

(b) Mid code.

(c) Byte code.

(d) None of above.

(ii) An Entity used to initilize a class in Java is :

(a) Methods.

(b) Instance variable.

(c) Object.

(d) Class.

(iii) ASP stands for _____

(a) Active Server Pages.

(b) Actual Server Pages.

(c) Active System Pages.

(d) None of these.

(iv) _____ operator is used to join two strings.

(a) = =

(b) ! =

(c) &

(d) Logical operator.　　　　2

(C) Answer the following in **one** sentence :—

(i) What do you mean by JVM in Java ?

(ii) Write a syntax of for ..... Loop statement.

(iii) Which Language is the default scripting Language in ASP ?

(iv) What are the attributes of image tag ?　　　　4

2. (A) What are benefits and applications of OOPs ? Explain it.　　　　6

(B) Explain the Architecture of Java virtual Machine in detail.　　　　6

OR

3. (A) What are different features of Java ? Explain any five in details.　　　　6

AR–593　　　　2

AR–593　　　　3　　　　P.T.O.

OR

7. (A) Explain the concept of method overloading with example. 6

(B) Write a program in Java to calculate area of Rectangle using class. 6

8. (A) Explain the following tags with suitable example :

(i) Title tag.

(ii) Block quote tag.

(iii) Font tag. 6

(B) Explain table tag with suitable example. 6

OR

9. (A) Explain List Tag with suitable example. 6

(B) What is HTML ? Explain the document structure of HTML with suitable example.

6

10. (A) Write a HTML code to display given number is even or odd. 6

(B) What are various operators in ASP ? Explain with suitable example. 6

OR

11. (A) Explain Post method of form tag in detail. 6

(B) Explain with example :

(i) do .... while Loop.

(ii) for .... next Loop. 6

12. (A) Write a ASP program to demonstrate the use of Response object. 6

(B) What are Request object ? Explain any three collection of Request object. 6

OR

13. (A) How to create and manage output in ASP ? Explain with suitable example. 6

(B) What is the use of form method in ASP ? Explain with example. 6