Reg. No.

IV Semester B.C.A. 2 Degree Examination, May/June 2018
PROGRAMMING USING JAVA (Repeater)

Time : 3 Hours   Max. Marks : 80

Instruction : **All** Sections are **compulsory**.

SECTION – A

Answer **any ten** of the following.   **(2×10=20)**

1. State any four features of Java.

2. Define identifiers with example.

3. Define type casting.

4. List types of errors in java with example.

5. Define package.

6. List out four string methods with syntax.

7. How do you create an object in java ? Give syntax.

8. Define applet tag.

9. How destructors are defined in java ?

10. What is the use of super keyword ?

11. What is an abstract class ?

12. Define thread.

SECTION – B

Answer **any six** of the following.   **(5×6=30)**

13. Write the differences between Java and C.

P.T.O.

@mruna

14. Explain various branching statements in Java.

15. Write a program to illustrate multi level inheritance.

16. Explain graphic programming in Java.

17. Write a note on package.

18. Explain life cycle of thread.

19. Explain one dimensional and two dimensional arrays with example.

20. Differentiate between applets and applications.

SECTION – C

Answer **any three** of the following.   **(3×10=30)**

21. Explain various loops in Java with syntax. Differentiate between while and do-while loop.   **10**

22. a) Write a program to implement any two string operations.

    b) Write a note on command line arguments.   **(5+5=10)**

23. a) Explain exceptional handling with a program.

    b) Explain how to create and use a package.   **(5+5=10)**

24. a) Explain any five tags in html with their functions.

    b) Write a note on interface.   **(5+5=10)**

25. a) Write a note on stream class.

    b) Write an applet program to demonstrate drawing objects.   **(5+5=10)**

_____

Reg. No. ☐☐☐☐☐☐☐☐☐

IV Semester B.C.A.3 Degree Examination, May/June 2018
PROGRAMMING USING JAVA
(Regular and Repeaters)

Time : 3 Hours   Max. Marks : 80

Instructions : 1) **All** Sections are **compulsory**.
                   2) Draw diagrams **wherever** necessary..

SECTION – A

1. Answer **any 10** of the following :   **(10×2=20)**
    a) What is web browser ?
    b) List the tools of JDK.
    c) Illustrate increment operator with an example.
    d) What is method overloading ?
    e) When do we declare a method or class final ?
    f) What is scope of a variable ?
    g) What is an applet ?
    h) What is wrapper class ?
    i) Why do we need the import statement ?
    j) What is a constructor ?
    k) State the special operators of Java.
    l) What is an interface ?

SECTION – B

Answer **any four** of the following :   **(4×5=20)**

2. How Java is strongly associated with the internet ?

3. Explain various looping statements in Java.

4. Explain life cycle of thread with neat diagram.

5. Differentiate between public and friendly access.

6. Write a Java program to implement any five string operations.

7. Explain Java API packages frequently used.

P.T.O.

@mruna

SECTION – C

Answer **any four** of the following :   **(4×10=40)**

8. Explain the classification of Java stream classes with neat diagram.

9. a) Explain the classification of Java statements.

    b) Write a Java program to display right angle triangle of "∗" (stars) using nested for loop.

10. a) Describe the structure of Java program.

    b) Write a Java program to illustrate method overloading.

11. a) Describe different forms of inheritance with examples.

    b) Explain HTML tags and their functions.

12. a) Write a note on visibility control.

    b) Differentiate between Java and C++.

_____

41322/C 220

Reg. No. ☐☐☐☐☐☐☐☐

III Semester B.C.A.4 Degree Examination, November/December 2018
OOPS USING JAVA (Regular)

Time : 3 Hours

Max. Marks : 80

Instructions : *i)* ***All sections are compulsory.***

ii) ***Draw neat diagrams wherever necessary.***

SECTION – A

1. Answer the following questions : **(2×10=20)**

   a) Define AWT.

   b) What is garbage collection ?

   c) What is vector ? List any two methods.

   d) What is multithreading ?

   e) What is super and this keywords ?

   f) What are access modifiers in java ?

   g) What is exception handling ?

   h) What is applet ?

   i) What is typecasting in java ?

   j) Explain the line "Public static void main (String args [ ])'.

SECTION – B

Answer **any four** of the following : **(5×4=20)**

2. Explain the java program structure.

3. What is package ? Write down steps for creating user defined package.

4. Explain applet life cycle with neat diagram.

5. Write a java program to demonstrate at least 5 string methods using scanner class.

6. Explain with File reader and File writer concept.

SECTION – C

Answer **any four** of the following : **(10×4=40)**

7. a) What do you mean by unchecked exception ? Write a program to illustrate try, catch and finally statements.

   b) Write a note on graphics class and methods. **(5+5)**

@mruna

8. a) Explain method overriding with example.

   b) Difference between C++ and java. **(5+5)**

9. Write short note on :

   a) Final keyword

   b) Synchronization in threads

   c) Static method

   d) Wait ( ) and Sleep ( ).

10. Explain with example wrapper classes ? Write a java program to implement wrapper classes and their methods.

11. Explain method overloading with example.

_____

@mruna