



K22U 3586

Reg. No. :

Name :



**Third Semester B.C.A. Degree (CBCSS – OBE – Regular /Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)**

Core Course

3B07BCA : JAVA PROGRAMMING

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer all the questions. **(6x1=6)**

1. Explain the use of 'new' operator with example.
2. What is a constructor ?
3. What is the difference between static method and instance method ?
4. What is an identifier ? Write the syntax to declare and initialize a string identifier.
5. Differentiate between thread and process in Java.
6. Define the keyword 'super'.

SECTION – B

Write short notes on any six of the following questions. **(6x2=12)**

7. Explain the types of casting in Java with example.
8. Explain the contexts where the keyword final is used.
9. Write a short note on applet life cycle.
10. Differentiate between method overloading and method overriding.
11. Explain the decision-making statements in Java with syntax and example.



12. Explain the use of 'this' keyword in Java with an example.
13. Differentiate between byte stream and character stream in Java.
14. What do you mean by nested class? Illustrate with example.

SECTION – C

Answer **any four** of the following question. **(4x3=12)**

15. What is an abstract class ? Illustrate through an example.
16. With the help of program snippet, define the steps to create and import a user defined package in Java.
17. Explain break and continue statements with example.
18. What is inheritance ? Explain different types of inheritance in Java with example.
19. Java Development is best for enterprise applications. Justify the statement.
20. What are the different states in life cycle of thread in Java ?

SECTION – D

Answer **any two** of the following question. **(2x5=10)**

21. What is exception ? How are expectations handled in Java ? Explain with suitable example.
22. Explain input-output streams in Java with example.
23. What is multilevel inheritance ? Write a program to illustrate multilevel inheritance.
24. Write a program to copy the contents of a file to another.



K20U 1937

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**III Semester B.C.A. Degree CBCSS (OBE) – Regular
Examination, November 2020
(2019 Admission Only)
Core Course
3B07 BCA : JAVA PROGRAMMING**

Time : 3 Hours

Max. Marks : 40

PART – A

Short Answer

Answer all questions :

(6×1=6)

1. Expand JDK and JVM.
2. Define Array.
3. What is an interface ?
4. What is the default thread priority in Java ?
5. What is Serialization ?
6. Write a note on creating menus.

PART – B

Short Essay

Answer any 6 questions :

(6×2=12)

7. Write short note on Wrapper Classes.
8. Differentiate Application and Applet Programs.
9. What is the use of keyword ‘Super’ in Java ?
10. Explain the purpose of ‘try’ and ‘catch’ statements.
11. How to create thread in Java ?

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12. Write a note on HTML <Applet> tag.
13. Explain about Filter Streams.
14. How to handle events for the AWT controls Button and CheckBox ?

**PART – C
Essay**

Answer any 4 questions :

(4x3=12)

15. Write a program to check the given String is Palindrome or not.
16. How to create a new package in Java ? Explain with example.
17. Explain about the lifecycle of a Thread.
18. Explain in detail about File Input Stream.
19. Explain about the Structure of an Applet Program.
20. Write a program to display human face (Use Graphic Class Methods).

**PART – D
Long Essay**

Answer any 2 questions :

(2x5=10)

21. Explain about the features of Java.
22. Explain in detail about Method Overloading and Method Overriding with example.
23. How to create User Defined Exceptions in Java ? Explain with Example.
24. Explain in detail about the Layout Managers.

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PART - C

Name :

Essay Answer any 4 questions

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PART - A

Short answer. Answer all questions.

(6x1=6)

1. Define bytecode in Java.
2. What is Java class and Java method ?
3. Write note on interface.
4. What is the use of the keyword ‘throw’ ?
5. What is the advantage of Java applets ?
6. Expand AWT and JDK.

PART - B

Short essay. Answer any 6 questions :

(6x2=12)

7. Write note on Wrapper Classes.
8. Explain about constructors in Java.
9. Explain about method overriding with example.
10. Differentiate finally and finalize.
11. Explain about creating new packages in Java.
12. Explain about nested try statements with example.
13. Write note on html Applet tag.
14. Write short note on layout managers.



PART – C

Essay. Answer **any 4** questions : **(4x3=12)**

15. Define Array. Explain about array declaration and initialization with example.
16. Write a program to reverse the given string.
17. Explain about method overloading with example.
18. Write note on creating threads in Java.
19. Explain in detail about the life cycle of an applet.
20. Explain about creating and handling menus.

PART – D

Long essay. Answer **any 2** questions. **(2x5=10)**

21. Explain in detail about any five string handling methods with example.
22. Explain in detail about file input stream and file output stream.
23. Explain the keywords used in exception handling with example.
24. Explain in detail about any four AWT controls and their event handlers with example.

(Total 8x5=40)