Reg. No. : ....

Name : ....

Third Semester B.C.A. Degree Examination, January 2019
Career Related First Degree Programme Under CBCSS
Computer Applications
Core Course
CP 1344 : PROGRAMMING IN JAVA
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 80

PART – A
(Very Short Answer Type)

Each question carries 1 mark.

(10×1=10 Marks)

1. What are the logical operators in Java ?

2. What is class ?

3. What is the initial name of Java ?

4. How to declare constants in Java ?

5. What is Exception class in Java ?

6. Write a note on URL.

7. Which is the class that is inherited by all java classes ?

8. Expand JDBC.

9. Which is the first method to get executed during the life cycle of an Applet ?

10. Which is the function to insert an image into an applet ?

F – 4260

PART – B

(Short Answer Type)

Answer **any eight** questions. **Each** question carries **2 marks.**

11. Explain 2-Dimensional arrays in Java.

12. Explain the different attributes used in applet tag.

13. Explain how to prevent a class from inheriting its property.

14. Write a note on Thread class.

15. Show an example to implement throw statement in Java.

16. Write a simple Applet to write a message.

17. Why Java programs are secured ?

18. Explain the drawString() function in Graphics package.

19. Write a note on OutputStream.

20. Explain Textfieldclass in Java.

21. What is the difference between the paint and repaint method ?

22. Explain statement interface in JDBC.

PART – C

(Short Essays)

Answer **any six** questions. **Each** question carries **4 marks.**   (6×4=24

23. What is the significance of superkeyword ?

24. Write a note on IO package.

25. Write a note on arrays in Java.

26. Explain the keywords try, catch and finally in Java.

27. Write a complete program to implement event handling.

Explain abstract class in Java.

Write an applet program to implement ActionListener.

. Write a note on java.applet package.

. Explain any four subclasses of Exception class.

PART – D

(Long Essay)

Answer **any two** questions. **Each** question carries **15** marks.   (2×15=30 Marks)

32. Explain the following :

   a) JVM.

   b) String class.

   c) Import statement.

   d) Continue.

   e) Final Keyword.

33. Explain Applet programming.

34. Explain with a program how to retrieve data from a database.

35. Explain features of Java programming.

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Reg. No. : ....

Name : ....

Third Semester B.C.A. Degree Examination, December 2017
Career Related FDP Under CBCSS
Group 2(b) : COMPUTER APPLICATIONS
Core Course CP 1344
Programming in Java
(2014 Admission Onwards)

Time : 3 Hours

Total Marks : 80

SECTION – A

(Very short answer type) (**One** word to maximum of **one** sentences.
Answer **all** questions.)

(10×1=10 Marks)

1. What is the purpose of this keyword ?

2. Expand AWT.

3. Write the syntax of do while loop.

4. What is the use of finally statement.

5. How to declare constants in Java ?

6. What is the size of a double variable in Java ?

7. Which is the method to override when we implement ActionListener interface ?

8. What is a swing ?

9. What is JDBC ?

10. What is the last method to get executed during the life cycle of an Applet.

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D – 3302

SECTION – B

(Short Answer) (Not to exceed one paragraph, answer **any eight** question
Each question carries **two marks**).

11. Define overloaded constructor.

12. Explain Applet tag.

13. Write a note on built-in streams in Java.

14. Explain Automatic type conversion.

15. Why Java programs are secured ?

16. What is an Interface ?

17. What is the purpose of repaint( ) in AWT ?

18. Explain the purpose of statement class in JDBC.

19. Write a simple Applet to write a message.

20. Write a note on ByteStream.

21. Explain the drawstring( ) function in Graphics class.

22. What is the significance of super keyword.

SECTION – C

(Short Essay) (Not to exceed 120 words, answer **any six** questions. **Each** que
carries **four marks**.)   (6×4=2

23. Write a note on IO package.

24. Explain nested try statements in Java.

25. Explain the various integer data types available in Java.

26. Explain packages in Java.

What are Strings ? Explain any 4 string handling function in Java.

Explain the steps to create a thread using runnable interface.

Write a note on java.applet package.

. Write a Frame program to implement ItemListener.

. Explain different Layout Managers.

SECTION – D

Long Essay) (Answer **any two** questions. **Each** question carries **15** marks.)

(2×15=30 Marks)

32. Differentiate between overloading and overriding.

33. Explain features of Java programming.

34. Explain with an example how to write database application in Java.

35. Explain different control structures in Java.

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Reg. No. : ....

Name : ....

Third Semester B.Sc./B.C.A. Degree Examination, October 2019

Career Related FDP under CBCSS

Group 2 (b) – COMPUTER SCIENCE/COMPUTER APPLICATIONS

Core Course

CS1341/CP 1344 PROGRAMMING IN JAVA

(2018 Admission)

Time : 3 Hours　　　　　　　　　　　　　　　　　　Max. Marks : 80

SECTION – A (Very Short Answer type)

One Word to maximum of one sentence. Answer **all** questions

1. What is an object?

2. JDK stands for ――――――――

3. What is a nested class?

4. Which keyword must be used to inherit a class?

5. What is CLASSPATH in Java?

6. Which package contains the classes that are fundamental to the design of the Java programming language?

7. The class at the top of the exception classes hierarchy is called ――――――――

8. Which method of Thread class is used to suspend a thread for a period of time

9. Expand JDBC.

10. Which package provides event classes and listener interfaces for event handling

(10 × 1 = 10 Marks

SECTION – B (Short Answer)

Not to exceed one paragraph, answer any **eight** questions. **Each** question carries **two** mark.

11. Describe the special features of Java.

12. What are the differences between an applet and a standalone Java application?

13. What is the use of finalize() method in java?

14. What is method overloading?

15. Describe the syntax of single inheritance in Java.

16. When do you declare a method abstract?

17. Where did you use finally clause?

18. How will you create a thread using Thread class?

19. Write a note on threads in applets.

20. Briefly explain the Font class.

21. What is the use of drawArc() method? Give syntax.

22. Write a short note on event handling.

(8 × 2 = 16 Marks)

SECTION – C (Short Essay)

Not to exceed **120** words, answer any **six** questions. Each question carries **four** marks.

23. Discuss different primitive data types in Java.

24. Write short note on multidimensional array in Java. How to declare and Initialize a two dimensional array.

25. How to use break and continue statements in Java?

26. What is inheritance and how does it help us create new classes quickly?

27. What are the uses of super keyword in Java? Give example.

28. How to catch more than one exception in Java?

29. Explain run(), sleep(), and start() methods in Thread class.

30. Write a program to display a message in an applet.

31. Explain different layout manager classes in Java.

(6 × 4 = 24 Marks)

SECTION – D (Long Essay)

Answer any **two** questions. **Each** question carries **15** marks.

32. What are the different operators used in Java? Explain each.

33. What are interfaces? How will you define an interface? Explain the mechanism of implementing interfaces.

34. What is an exception? How can you handle an exception in Java?

35. How will you load and display an image in Java?

(2 × 15 = 30 Marks)