UG Department Of Computer Applications

NGM College, Pollachi

17UBC413 – PROGRAMMING IN JAVA

1. What is the range of data type short in Java?

- A. -128 to 127 B. -32768 to 32767
- C. -2147483648 to 2147483647 D. None of the mentioned

2. What is the range of data type byte in Java?

- A. -128 to 127 B. -32768 to 32767
- C. -2147483648 to 2147483647 D. None of the mentioned

3. An expression involving byte, int, and literal numbers is promoted to which of these?

- A. int B. longC. byte D. float

4. Which of these literals can be contained in a data type float variable?

- A. 1.7e-308 B. 3.4e-038 C. 1.7e+308 D. 3.4e-050

5. Which data type value is returned by all transcendental math functions?

- A. int B. floatC. double D. long

6. Which operator is used to invert all the digits in binary representation of a number?

- A. ~ B. >>> C. ^ D.

7. Which right shift operator preserves the sign of the value?

- A. >> B. >>= C.. D.

8. What is the output of relational operators?

- A. Integer B. Boolean C. Characters D. Double

9. What should be expression1 evaluate to in using ternary operator as in this line? expression1 ? expression2 : expression3

- A. Integer
- B. Floating – point numbers
- C. Boolean
- D. None of the mentioned

10. Modulus operator, %, can be applied to which of these?

- A. Integers
- B. Floating – point numbers
- C. Both Integers and floating – point numbers.
- D. None of the mentioned

11. Which of these operators is used to allocate memory to array variable in Java?

- A. malloc
- B. alloc
- C. new
- D. new malloc

12. Which of these is an incorrect array declaration?

- A. int arr[] = new int[5]
- B. int [] arr = new int[5]
- C. int arr[]

  arr = new int[5]
- D. int arr[] = int [5] new

13. What will this code print?

```
int arr[] = new int [5];
```

System.out.print(arr);

- A. 0 B. value stored in arr[0]. C. 00000 D. Garbage value

14. Which of these is an incorrect Statement?

- A. It is necessary to use new operator to initialize an array.
- B. Array can be initialized using comma separated expressions surrounded by curly braces.
- C. Array can be initialized when they are declared.
- D. None of the mentioned

15.Which of these is necessary to specify at time of array initialization?

- A. Row B. Column C. Both Row and Column D. None of the mentioned

16. Which of these class is superclass of String and StringBuffer class?

- A. java.util B. java.lang C. ArrayList D. None of the mentioned

17. Which of these operators can be used to concatenate two or more String objects?

- A. + B. += C. & D. ||

18. Which of these method of class String is used to obtain length of String object?

- A. get() B. Sizeof() C. lengthof() D. length()

19. Which of these method of class String is used to extract a single character from a String object?

- A. CHARAT() B. charat() C. charAt() D. ChatAt()

20. Which of these constructors is used to create an empty String object?

- A. String() B. String(void) C. String(0) D. None of the mentioned

UNIT 3

21. Which of these packages contain classes and interfaces used for input & output operations of a program?

- A. java.util B. java.lang C. java.io D. All of the mentioned

22. Which of these class is not a member class of java.io package?

- A. String B. StringReader

- C. Writer D. File

23. Which of these class is not related to input and output stream in terms of functioning?

- A. File B. Writer C. InputStream D. Reader

24. Which of these is specified by a File object?

- A. a file in disk B. directory path

- C. directory in disk D. None of the mentioned

25. Which of these keywords is used to define interfaces in Java?

- A. interface B. Interface C. intf D. Intf

26. Which of these keywords is used by a class to use an interface defined previously?

- A. import B. Import C. implements

- D. Implements

27. Which of these method can be used to make the main thread to be executed last among all the threads?

- A. stop() B. sleep() C. join()

- D. call()

28. What is the default value of priority variable MIN_PRIORITY AND MAX_PRIORITY?

- A. 0 & 256 B. 0 & 1
- C. 1 & 10 D. 1 & 256

29. Which of these method waits for the thread to treminate?

- A. sleep() B. isAlive()
- C. join() D. stop()

30. Which of these method is used to explicitly set the priority of a thread?

- A. set() B. make()
- C. setPriority() D. makePriority()

31. Which of these functions is called to display the output of an applet?

- A. display() B. print()
- C. displayApplet() D. PrintApplet()

32. Which of these methods can be used to output a sting in an applet?

- A. display() B. print()
- C. drawString() D. transient()

33. What does AWT stands for?

- A. All Window Tools B. All Writing Tools
- C. Abstract Window Toolkit D. Abstract Writing Toolkit

34. Which of these methods is a part of Abstract Window Toolkit (AWT) ?

- A. display() B. print() C. drawString()
- D. transient()

35. Which of these operators can be used to get run time information about an object?

- A. getInfo B. Info C. instanceof
- D. getinfoof

36. When does Exceptions in Java arises in code sequence?

- A. Run Time B. Compilation Time
- C. Can Occur Any Time D. None of the mentioned

37. Which of these keywords is not a part of exception handling?

- A. try B. finally C. thrown D. catch

38. Which of these keywords must be used to monitor for exceptions?

- A. try B. finally C. throw D. catch

39. Which of these keywords is used to manually throw an exception?

- A. try B. finally C. throw D. catch

40. Which of these keywords is used to generate an exception explicitly?

- A. try B. finally C. throw D. catch

41. Which of these is used to perform all input & output operations in Java?

- A. streams B. Variables C. classes

- D. Methods

42. What does AWT stands for?

- A. All Window Tools B. All Writing Tools

- C. Abstract Window Toolkit D. Abstract Writing Toolkit

43. Which of these is a type of stream in Java?

- A. Integer stream B. Short stream

- C. Byte stream D. Long stream

44. Which of these classes are used by Byte streams for input and output operation?

- A. InputStream B. InputOutputStream

- C. Reader D. All of the mentioned

45. Which of these classes are used by character streams for input and output operations?

- A. InputStream B. Writer
- C. ReadStream D. InputOutputStream

46. Which of these class is used to read from byte array?

- A. InputStream. B. BufferedInputStream.
- C. ArrayInputStream. D. ByteArrayInputStream.

47. Which exception is thrown by read() method?

- A. IOException B. InterruptedException
- C. SystemException D. SystemInputException

48. Which of these is used to read a string from the input stream?

- A. get() B. getLine() C. read() D. readLine()

49. Which of these class is used to read characters and strings in Java from console?

- A. BufferedReader B. StringReader
- C. BufferedStreamReader D. InputStreamReader

50. Which of these classes are used by Byte streams for input and output operation?

- A. InputStream B. InputOutputStream
- C. Reader D. All of the mentioned

KEY ANSWERS:

1)B 2)A 3)A 4)B 5)C 6)A 7)A 8) B 9) C 10)C

11)C 12)D 13)D 14)A 15)A 16)B 17)A 18) D 19)D 20)A

21)C 22)A 23)A 24)C 25)A 26)C 27)B 28)C 29) D 30)C

31)B 32)C 33)C 34)B 35)C 36)A 37)C 38)A 39)C 40)C

41)A 42)C 43)C 44)A 45)B 46)D 47)A 48)D 49)A 50)A

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17UBC413 – Object Oriented Programming using JAVA

K3-Level Questions

UNIT:1

1. Compare between C and C++.
2. Inspect i) HotJava ii) Netscape navigator
3. Categorize about Java tokens.
4. List out the different operators used in java

UNIT:2

5. Examine features of for loop used in java.
6. List out Arrays and types of Arrays.
7. Examine Strings and String Buffer Classes.
8. Classify method overloading with example.

UNIT:3

9. Classify Thread Exceptions
10. List short notes on interface.
11. Inspect creating and accessing Packages.
12. Analyze creating and extending the Thread Class.

UNIT:4

13. Inspect how Applets differ from Applications.
14. List out the tools used to run an Applet.
15. Classify the Life Cycle of Applet.
16. Inspect about Graphics class.

UNIT:5

17. Categorize the stream concepts.
18. Inspect how to use file classes in file I/O.
19. Analyze how to handle primitive data types.
20. Inspect the file creationand its types

K4-Level Questions.

UNIT:1

1. Explain Java Features
2. Inspect evaluation of Expressions in java
3. List out different data types used in java
4. Analyze variables used in java

UNIT:2

5. Categorize decision making and branching.
6. Inspect features in java.
7. Dissect about java programming structure.
8. Classify java constants.

UNIT:3

9. List out the Java API Packages.

10. Analyze the Life Cycle of Thread with an example program.

11. Explain Multiple Inheritance

12.Analyze Naming Conventions in packages.

UNIT:4

13. Explain how to manage errors and exceptions.

14. Explain Graphics Class,Lines and Rectangles

15. Inspect Circles and Ellipses ,

16. Explain Drawing Arcs ,Drawing Polygons.

UNIT:5

17. Classify the streams class with their two types.

18. Explain concatenating and buffering files.

19. Explain Random access file with an example

20.Inspect Byte Stream Classes