

Total No. of Printed Pages : 13

402561

Sr. No. :

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A

Paper I.D. No. : 97692.

BCA 6th Sem.

Object Technologies & Programming using Java

Paper : BCA-307

Time : 45 Minutes

Max. Score : 40

Total Questions : 50

Roll No. (in figures) 9408458 (in words) Nine four zero eight four five eight

Name of Exam. Centre JB Knowledge Inst of Tech Centre Code 285

Date of Examination : 17-10-2020

Pooja

(Signature of the Candidate)

Prakash Kumar

(Signature of the Invigilator)

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97692/(A)

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 - (1) -128 to 127
 - (2) -32768 to 32767
 - (3) -2147483648 to 2147483647
 - (4) None of the mentioned
2. Which of these occupy first 0 to 127 in Unicode character set used for characters in Java ?
 - (1) ASCII
 - (2) ISO-LATIN-1
 - (3) None of the mentioned
 - (4) ASCII and ISO-LATIN - 1
3. Which of the below data type doesn't support overloaded methods for +, -, * and / ?
 - (1) int
 - (2) float
 - (3) double
 - (4) BigDecimal
4. Literal can be of which of these data types ?
 - (1) integer
 - (2) float
 - (3) boolean
 - (4) all of the mentioned

5. Which of these is necessary condition for automatic type conversion in Java ?

- (1) The destination type is smaller than source type
- (2) The destination type is larger than source type
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6. What is Truncation in Java ?

- (1) Floating-point value assigned to an integer type
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7. Which of these is an incorrect array declaration ?

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

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- (3) Both Row and Column
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9. Modulus operator, %, can be applied to which of these ?

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(3) continue (4) break
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- (1) break (2) return
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16. Which component is responsible for converting bytecode into machine specific code ?
- (1) JVM (2) JDK
(3) JIT (4) JRE

17. Which of the below is invalid identifier with the main method ?

- (1) public
- (2) static
- (3) private
- (4) final

18. What is the extension of java code files ?

- (1) .class
- (2) .java
- (3) .txt
- (4) .js

19. What is use of interpreter ?

- (1) They convert bytecode to machine language code
- (2) They read high level code and execute them
- (3) They are intermediated between JIT and JVM
- (4) It is a synonym for JIT

20. What is the stored in the object obj in following lines of java code ?

box obj;

- (1) Memory address of allocated memory of object
- (2) NULL
- (3) Any arbitrary pointer
- (4) Garbage

21. Which of the following is a valid declaration of an object of class Box ?
- (1) Box obj = new Boxt();
 - (2) Box obj = new Box;
 - (3) obj = new Boxt();
 - (4) new Box obj;
22. Which of these statement is *incorrect* ?
- (1) Every class must contain a main() method
 - (2) Applets do not require a main() method at all
 - (3) There can be only one main() method in a program
 - (4) main() method must be made public
23. What is the return type of a method that does not return any value ?
- (1) int
 - (2) float
 - (3) void
 - (4) double
24. Which of the following is a method having same name as that of it's class ?
- (1) finalize
 - (2) delete
 - (3) class
 - (4) constructor

25. Which method can be defined only once in a program ?
- (1) main method (2) finalize method
(3) static method (4) private method
26. Which of this statement is *correct* ?
- (1) All object of a class are allotted memory for the all the variables defined in the class
(2) If a function is defined private it can be accessed by object of other class by inheritance
(3) main() method can be made private
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27. Can abstract class have main() function defined inside it ?
- (1) Yes, depending on return type of main()
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(3) No, main must not be defined inside abstract class
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28. Which function is used to perform some action when the object is to be destroyed ?
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29. What is true about constructor ?
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30. Which of the following has the highest memory requirement ?
- (1) Heap
 - (2) Stack
 - (3) JVM
 - (4) Class
31. Which exception is thrown when java is out of memory ?
- (1) MemoryFullException
 - (2) MemoryOutOfBoundsException
 - (3) OutOfMemoryError
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- (1) method overloading
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33. What is the process of defining a method in terms of itself, that is a method that calls itself ?
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34. Which of these is used as a default for a member of a class if no access specifier is used for it ?
- (1) private (2) public
(3) public, within its own package (4) protected
35. Which of this method is given parameter via command line arguments ?
- (1) main() (2) recursive() method
(3) Any method (4) System defined methods
36. Which of these data types is used to store command line arguments ?
- (1) Array (2) Stack
(3) String (4) Integer
37. Which of these packages contains the exception Stack Overflow in Java ?
- (1) java.lang (2) java.util
(3) java.io (4) java.systems

38. Which of this keyword can be used in a subclass to call the constructor of superclass ?
- (1) super (2) this
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49. Which of these classes is *not* included in java.lang ?

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50. Which of these is a super class of wrappers Double & Integer ?

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97692/(B)

SEAT

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Total No. of Printed Pages : 13

Sr. No. :

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

D**Paper I.D. No. : 97692****BCA 6th Sem.****Object Technologies & Programming using Java****Paper : BCA-307**

Time : 45 Minutes

Max. Score : 40

Total Questions : 50

Roll No. (in figures) 9408529 (in words) nine four zero eight five two nineName of Exam. Centre JB Knowledge Park Centre Code 285Date of Examination : 17/10/20William B.

(Signature of the Candidate)

Prakam Kumar

(Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

SEAL

1. **Attempt any 40 questions.**
2. The candidates must return the Question booklet as well as OMR answer-sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means/misbehaviour will be registered against him/her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
4. Question Booklet along with answer key of all the A, B, C & D code will be got uploaded on the University website after the conduct of Examination. In case there is any discrepancy in the Question Booklet/Answer Key, the same may be brought to the notice of the Controller of Examination in writing/through E.Mail within 24 hours of uploading the same on the University Website. Thereafter, no complaint in any case, will be considered.
5. The candidate **MUST NOT** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers **MUST NOT** be ticked in the Question booklet.
6. **There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, crasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.**
7. Use only Black or Blue **BALL POINT PEN** of good quality in the OMR Answer-Sheet.
8. **BEFORE ANSWERING THE QUESTIONS, THE CANDIDATES SHOULD ENSURE THAT THEY HAVE BEEN SUPPLIED CORRECT AND COMPLETE BOOKLET. COMPLAINTS, IF ANY, REGARDING MISPRINTING ETC. WILL NOT BE ENTERTAINED 15 MINUTES AFTER STARTING OF THE EXAMINATION.**

97692/(D)

1. Which exception is thrown when java is out of memory ?
 - (1) MemoryFullException
 - (2) MemoryOutOfBoundsException
 - (3) OutOfMemoryError
 - (4) MemoryError

2. What is the process of defining two or more methods within same class that have same name but different parameters declaration ?
 - (1) method overloading
 - (2) method overriding
 - (3) method hiding
 - (4) none of the mentioned

3. What is the process of defining a method in terms of itself, that is a method that calls itself ?
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41. Which of the following is a valid declaration of an object of class Box ?

(1) Box obj = new Boxt();

(2) Box obj = new Box;

(3) obj = new Boxt();

(4) new Box obj;

42. Which of these statement is *incorrect* ?

(1) Every class must contain a main() method

(2) Applets do not require a main() method at all

(3) There can be only one main() method in a program

(4) main() method must be made public

43. What is the return type of a method that does not return any value ?

(1) int

(2) float

(3) void

(4) double

44. Which of the following is a method having same name as that of it's class ?

(1) finalize

(2) delete

(3) class

(4) constructor

45. Which method can be defined only once in a program ?
- (1) main method (2) finalize method
(3) static method (4) private method
46. Which of this statement is *correct* ?
- (1) All object of a class are allotted memory for the all the variables defined in the class
(2) If a function is defined private it can be accessed by object of other class by inheritance
(3) main() method can be made private
(4) All object of a class are allotted memory for the methods defined in the class
47. Can abstract class have main() function defined inside it ?
- (1) Yes, depending on return type of main()
(2) Yes, always
(3) No, main must not be defined inside abstract class
(4) No, because main() is not abstract function
48. Which function is used to perform some action when the object is to be destroyed ?
- (1) finalize() (2) delete()
(3) main() (4) none of the mentioned

49. What is true about constructor ?

- (1) It can contain return type
- (2) It can take any number of parameters
- (3) It can have any non access modifiers
- (4) Constructor cannot throw an exception

50. Which of the following has the highest memory requirement ?

- (1) Heap
- (2) Stack
- (3) JVM
- (4) Class

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(A)

BCA - 307

Subject Object Technologies +
Programming using Java

Set _____

ANSWER - KEY

1	2	3	4	5	6	7	8	9	10
2	4	4	4	2	1	4	1	3	4
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A. D.

B. C. M. L.

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Prof. P. P. P.

Paper-10: 97692

Set B

BCA - 307

Subject Object Technologies of Programming with Java

Set

ANSWER - KEY

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Set C

Paper- ID: 97692

Object Technologies & Programming
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Subject

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Set: Set C

ANSWER - KEY

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BCA-307
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