



BRAINWARE UNIVERSITY

Term End Examination 2018 - 19

Programme – Bachelor of Arts (Honours) in Multimedia & Web

Course Name - Java

Course Code - BMW302A

(Semester – 3)

Time allotted: 3 Hours

Full Marks : 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group –A

(Multiple Choice Type Question)

10 x 1 = 10

1. *Choose the correct alternative from the following*

(i) The expected signature of an interface method is _____

- | | |
|--------------------|----------------------|
| a. Public Abstract | b. Public Static |
| c. Abstract Public | d. None of the above |

(ii) Which of these keywords must be used to inherit a class?

- | | |
|------------|----------------------|
| a. super | b. this |
| c. extends | d. None of the above |

(iii) Which of the following tool is used to execute java code?

- | | |
|----------|-----------|
| a. Javac | b. Applet |
| c. Java | d. Rmic |

(iv) Jagged array can be implemented by which data type?

- | | |
|-----------|------------------|
| a. int | b. double |
| c. string | d. all the above |

(v) Which of these keywords are used to define an abstract class?

- | | |
|-------------|----------------------|
| a. abst | b. abstract |
| c. Abstract | d. None of the above |

- (vi) Which of these method of Thread class is used to Suspend a thread for period of time?
- a. Sleep()
 - b. Terminate()
 - c. Suspend()
 - d. stop()
- (vii) Which of the following is generated when the source code is successfully compiled?
- a. Output
 - b. Error
 - c. ByteCode
 - d. None of the above
- (viii) Java Thread class resides in _____ package.
- a. Java.rmi
 - b. Java.io
 - c. Java.sql
 - d. Java.util
- (ix) What is the default constructor of the class public class Test { }?
- a. Public Test(void)
 - b. Public void Test()
 - c. Test()
 - d. Public Test()
- (x) 'this' keyword refers to
- a. Current object
 - b. Current method
 - c. Current class
 - d. None of the above

Group – B

(Short Answer Type Questions)

3 x 5 = 15

Answer **any three** from the following

2. Discuss about the static function in Java. 5
3. Write Java code to print the summation of first 10 natural numbers. 5
4. What is function overloading? Exemplify it. 5
5. Write Java code to print the summation of two numbers using awt TextFields and Buttons. 5
6. What is package? What is the relationship between classpath and package? 5

Group – C

(Long Answer Type Questions)

3 x 15 = 45

Answer **any three** from the following

- | | | | |
|-----|-----|--|----|
| 7. | (a) | Write a method to check whether a given string is palindrome or not. | 5 |
| | (b) | Define a Thread. Write java code to create a thread using Java Thread class. | 10 |
| 8. | (a) | What is the utility of run() method in Thread class? | 5 |
| | (b) | Does Java support multiple Inheritance? Justify your answer. | 10 |
| 9. | (a) | Write Java code to print all 3 digit prime numbers. | 7 |
| | (b) | What is the utility of “extends” keyword in Java? | 8 |
| 10. | (a) | How can we declare an Event handler for a button? | 7 |
| | (b) | Write proper Java code to exemplify your answer. | 8 |
| 11. | | Write short note on the following topics. | |
| | (a) | Overloading Vs Overriding | 5 |
| | (b) | Protected Access Qualifier | 5 |
| | (c) | Compile time error Vs Run time error | 5 |
