

Term-End Examination - June, 2018
Diploma in Web Design
DWD-02: PROGRAMMING IN JAVA

Time - 3 hours

Full Mark – 100

Answer all the questions from Group - 'A', any four questions from Group - 'B', any four questions from Group - 'C' and any two questions from Group - 'D'.

Group - 'A'

Mark: 1 × 10= 10

(Answer all the questions)

Q. No. 1 (choose the correct answer)

- (a) A compiler converts the Java program into an intermediate language representation called
(i) bit Code (ii) byte class (iii) bytecode (iv) byte
- (b) Java platform consists of JVM and a package of readymade software components this package is known as _____.
(i) JVM API (ii) JM API (iii) lang (iv) java API
- (c) Which of the following is not a Looping statement _____.
(i) for (ii) while (iii) switch (iv) do-while
- (d) The _____ statement is used inside the switch to terminate a Statement sequence.
(i) jump (ii) break (iii) goto (iv) then
- (e) Which property of Java allows the creation of hierarchical classifications?
(i) interface (ii) robust (iii) inheritance (iv) distributed
- (f) The class at the top of the exception classes hierarchy is called _____.
(i) Common (ii) Throwable (iii) NULL (iv) Catch
- (g) A _____ is java program that can be embedded in a Web page
(i) Applets (ii) browser (iii) package (iv) None of these
- (h) An applet tag is written in body tag of _____.
(i) HTMM (ii) HTTP (iii) HTML (iv) Applet
- (i) Which of the following is not a wrapper class?
(i) Vector (ii) Character (iii) Boolean (iv) Integer
- (j) p=10,q=5 what would be value of r after executing the following statement
if(p>=9 && q<=8)
 r=p+q;
else
 r=p-q;
(i) 15 (ii) 5 (iii) 13 (iv) none of these

Group 'B'

Mark: 5 × 4= 20

Q. No. 2(Answer any four questions each within 50 words)

- a) Name the access specifiers not used with interface and why?
- b) What is the difference between throw and throws?
- c) How we can extract integer, Boolean, Float and double value from string? Write the syntax with example?
- d) Which exception is thrown in zero divide? Give an Example.
- e) What is This Keyword? Explain with example.
- f) Notes on Garbage Collection

Group 'C'

Mark: 10 × 4= 40

Q. No. 3 (Answer any four questions each within 200 words)

- a) Explain the concept of exception handling. What is the use of finally block.
- b) Differentiate between Application program and applet Program.
- c) Write a java program to sort 10 strings in alphabetical order?
- d) Write a simple applet program to display “Odisha State Open University” with background color as black and foreground color as green.
- e) What is the difference between abstract class and interface?
- f) Write a java program to compute GCD and LCM of a number using function.

Group 'D'

Mark: 15 × 2= 30

Q. No-4 (Answer any two questions each within 250 words)

- a) Define Applet. Discuss the Applet life Cycle with proper example.
- b) What is user defined package in java? Write the steps to create a user defined package. WAP to create a package named forest and placed a class Tiger with a method name getDetails(). Create another java program with name Animal and access the getDetails() method of forest package.
- c) What is super keyword and why it is used? Write a java program to find out the employee id, name and salary of an employee using super keyword at proper places?
- d) What are the features of java? Explain in details.