

ALCCS

Time: 3 Hours

JUNE 2016

Max. Marks: 100

PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE:

- Question 1 is compulsory and carries 28 marks. Answer any FOUR questions from the rest. Marks are indicated against each question.
- Parts of a question should be answered at the same place.

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- Q.1** a. Explain basic concepts of object oriented programming.
 b. What is multithreading? How does it improve the performance of Java?
 c. What is synchronization? When do we use it?
 d. How do applets differ from application program?
 e. Describe the functions of the File class.
 f. Write the importance of URL.
 g. Write short note on the event Listeners. (7×4)
- Q.2** a. Describe the applications of object oriented programming technology. (4)
 b. Write a program to compute the sum of the digits of a given integer number. (5)
 c. What are command line arguments? How are they useful? (4)
 d. Explain about the entry controlled and exit controlled loop in java. (5)
- Q.3** a. Write short note on the following:
 (i) Constructors
 (ii) Overriding Methods
 (iii) Nesting of methods (3 x 4)
 b. What is a layout manager? Explain different layout manager's in JAVA. (6)
- Q.4** a. Discuss the different levels of access modifiers available in Java. (8)
 b. What is static import? How is it useful? (5)
 c. What is an Interface? Describe the implementation of interface with an example code. (5)
- Q.5** a. What is the difference between suspending and stopping a thread? (5)
 b. Define Exceptions. Describe multiple catch statement with example. (8)
 c. What is finally block? When and how is it used? Give suitable example. (5)
- Q.6** a. Define Streams. Describe in detail about two types of stream classes. (8)
 b. Discuss the various methods of Applet Skeleton with an example program. (10)
- Q.7** a. Explain in brief, mouse and keyboard Events with an example program. (10)
 b. Explain the life cycle of a Servlet. (5)
 c. Briefly explain about Swing features. (3)