

GOVERNMENT DEGREE COLLEGE GANDERBAL

Assignment for BCA 2nd Semester Regular Batch 2019, Backlog Batch 2016 onwards

Subject: Programming in Java

Course Code: BCA220C1

Marks: 60

Attempt any 03 Questions and each question carries equal weightage.

Question 1:

- a) Explain briefly some of the features of Java Programming language.
- b) Explain the concept and properties of Object Oriented Programming (OOP).

Question 2:

- a) Briefly explain with examples the concept of Method Overloading and Method Overriding in Java.
- b) Differentiate between Abstract Class and an Interface in Java.

Question 3:

- a) Explain public, static, and void keywords in the following statement: `public static void main(String args[])`
- b) Explain the concept of Multithreading in Java? How many ways are there to create threads in Java. Use examples to demonstrate the working of threads.

Question 4:

- a) Write a Java Program to read an array of 100 elements and calculate its average value.
- b) Write a program to copy contents of one text file into another file using Reader and Writer classes.

Instructions:

1. The assignment is to be submitted through google class room having code **ksfrcxb**
2. Students who have not joined the G-classroom can mail assignment on khanasifiqbal7@gmail.com.
3. Last date of assignment submission is 26/06/20.
4. The assignment must be handwritten. (Do not copy share or copy assignments from other students)
5. Students must write page no., roll no., registration no. on the top right corner of each page.
6. A4 size ruled paper with not more than 10 pages converted into a single PDF file using camscanner will be only accepted.
7. While scanning the assignment pages, make sure the images are illuminated and the content is properly visible
8. Students are advised to preserve hard copy of Assignment.
9. Do not copy answers from other students.
10. Assignments should be scanned properly for clear visibility.

11. Title page of assignment must contain

- Name of the candidate.....
- Semester.....
- Category:Fresh/Backlog
- Batch:
- Roll No.....
- Regd no.....
- Subject.....
- Cell no.....
- e-mail address.....
- Date of Submission.....
- Signature of Candidate.....