

GLS UNIVERSITY
BCA (SEM-V)
SUBJECT: 0301502 Advance Java
ASSIGNMENT – 1 (Unit -1 File handling)

A. Fill in the blanks

1. _____ stream helps to convert raw bytes into the basic type of Java.
2. The classes used for Disk File handling are _____ and _____.
3. The Java I/O related classes are available in _____ package.
4. The _____ class is used only to know the details about the file.
5. _____ method returns -1 when end of file is encountered.
6. _____ method of RandomAccessFile will return the current location of the file pointer
7. _____ method flushes the stream.
8. _____ and _____ class is used to read/write an object to/from file.

B. State True or False

1. For the abstract classes, Object cannot be created but references of this type can be declared. (True/False)
2. A stream can be defined as a sequence of data. (True / False)
3. The java.io package contains all the classes required for input and output operations. (True / False)
4. File class can be used to read and write bytes into a file. (True / False)
5. In byte stream, data are accessed as a sequence of bytes. (True / False)
6. Available() method returns total number of remaining bytes that can be read from this input stream without blocking. (True/False)

C. Explain in Detail

1. Explain any five methods of File class.
2. Explain any five methods of InputStream class.
3. Explain any five methods of OutputStream class.
4. Explain FileInputStream class with its structure.
5. Explain FileOutputStream class with its structure.
6. Explain BufferedInputStream class with its structure.
7. Explain BufferedOutput class with its structure.
8. Explain any five methods of DataInputStream class.
9. Explain any five methods of DataOutput Stream class.
10. Explain any five methods of ObjectInputStream class.
11. Explain any five methods of ObjectOutputStream class.

12. Explain RandomAccessFile class

**Question set A and B are Compulsory for each student.
Question Set C need to attempt as follow:**

| Sr. No | Group No. | Questions |
|--------|---|-----------|
| 1. | A01 To A10 B01 TO B10 C01 TO C10 | 1,7,12,5 |
| 2. | A11 TO A20 B11 TO B20 C11 TO C20 | 2,8,11,6 |
| 3. | A21 TO A30 B21 TO B30 C21 TO C30 | 3,9,10,7 |
| 4. | A31 TO A40 B31 TO B40 C31 TO C40 | 4,10,9,8 |
| 5. | A41 TO A50 B41 TO B50 C41 TO C50 | 5,11,8,9 |
| 6. | A51 TO A60 B51 TO B60 C51 TO C60 | 2,7,10,8 |
| 7. | A61 Onwards B61 Onwards C61 Onwards | 6,12,7,10 |
| 8. | A71 To A10 B71 TO B10 C71 TO C10 | 1,7,12,5 |
| 9. | A81 TO A20 B81 TO B20 C81 TO C20 | 2,8,11,6 |
| 10. | A91 TO A30 B91 TO B30 C91 TO C30 | 3,9,10,7 |