

**IDFC-JFS-B2**  
**Subjective Assessment-1**  
( Note: Q.No 1 to 8- 10marks and Q.No 9-20 marks)

1. Difference between Agile Testing and Scrum.
2. Adobe is working on a project to come up with a competing product for Microsoft Word, that provides all the features provided by Microsoft Word and any other features requested by the marketing team. The final product needs to be ready in 10 months of time. Explain this project flow using Agile Methodologies.
3. What is kernel and its usage in UNIX? Explain any 8 commands of UNIX with examples?
4. Mars' gravity is about 38% of Earth's. Write a program that will calculate your weight on Mars.
  - Declare all variables at the top of the class.
  - Initial variables are to be of float type.
  - After making the calculations, assign the result to a new variable, this time of the double type.
  - After assigning the assignment, write the variable double to the console, limiting its length to 4 decimal places.
  - Cast the above variable of double type to a new variable of int type.
  - Cast the above variable of type int to a new variable of type char.
  - Do any math operation on this variable char type and assign the value of this activity to the new variable int type.
  - Each of the above actions should be written to the console, adding some text explaining what has been done
5. Write a Java program of matrix multiplication?
6. The below mentioned points are CRS (Customer Requirement Specification)
  - Customer secured entry
  - Search the products needed
  - Need to add that into my favorites
  - Selected products need to deliver to the customer

For the above-mentioned CRS, first you need to create SRS/FS and write the producers using V-model.

7. Implement the Array list concepts for the questions given below.

Write a Java program,

- A. to trim the capacity of an Array list the current list size.
- B. to increase the size of an Array list.
- C. to replace the second element of an Array List with the specified element.
- D. to print all the elements of an Array List using the position of the elements.

8. Which one is better to implement in Java? extending Thread class or implementing Runnable?
9. Write a java program, the user has created an account , when the user logged in to that account, if the user enter the correct data it should give the message as “Successfully logged in “ or Need to provide the correct data to ring that msg. (Need to get input at runtime).