

**Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur**

**Academic Session 2023-2024**

**Bachelor of Science (B. Sc.) (Semester-IV)**

**COMPUTER SCIENCE Paper-I –Java Programming**


**UNIT TEST on Unit I and II**

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. Explain the following features of Java : 5
  - (i) Platform independent and portable.
  - (ii) Robust and Secure.
- Or
2. Write an application program to convert the given Fahrenheit temperatures to the corresponding Centigrade temperature ( $C = (F-32)/1.8$ ). 5
3. Explain the different types of operators in Java. 5
- Or
4. Explain the structure of a Java Program. 5
5. Write a program in Java to demonstrate Constructor Overloading. 5
- Or
6. Differentiate between method overloading and method overriding. 5
7. Write a program in Java to demonstrate single inheritance. 5
- Or
8. Write a program in Java to find the reverse of digits of given integer number. 5



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**Bachelor of Science (B. Sc.) (Semester-IV)**

**COMPUTER SCIENCE Paper-I Java Programming**

**UNIT TEST MARKS OUT OF 20**

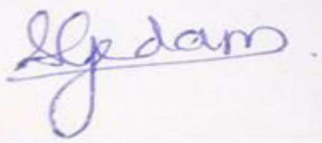
Name of Teacher: Dr. S. R. Gedam

Date:03/03/2024

S.N.	Name of Students	Group	Paper I Test I
1	Akansha A. Lokhande	SCSM	17
2	Akshita P. Mohdikar	SCSM	16
3	AmrutaV Gawande	SCSM	12
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**Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur**

**Academic Session 2023-2024**

**Bachelor of Science (B. Sc.) (Semester-IV)**

**COMPUTER SCIENCE Paper-I Java Programming**

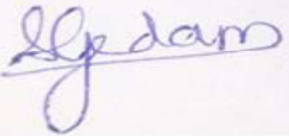
**UNIT TEST on Unit III and IV**

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. What is Event Delegation Model ? What are its basic components ? 5  
Or
2. Explain Layout Managers. 5
3. List the different situations in which 'Action Event' is generated. 5  
Or
4. Write a syntax and example of following graphics class methods : 5  
(i) drawOval ( )  
(ii) drawPolygon ( ).
5. Explain Multithreading. How Java implements its thread model ? 5  
Or
6. Write the syntax of applet tag. Briefly explain its constituent. 5
7. Write an applet that receives three numeric values as input from the user and then displays the largest of the three on the screen. 5  
Or
8. What is a Package ? How will you create user defined package in Java ? 5



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COMPUTER SCIENCE Paper-I – Java Programming

UNIT TEST MARKS OUT OF 20

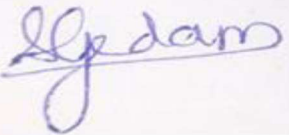
Name of Teacher:Dr. S. R. Gedam

Date:03/04/2024

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**Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur**

**Academic Session 2023-2024**

**Bachelor of Science (B. Sc.) (Semester-IV)**

**COMPUTER SCIENCE Paper-II Linux Operating System**

**UNIT TEST on Unit I and II**

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. List Directory Structure of Linux Operating System. Give purpose of each directory in it. 5

Or

2. Give syntax, purpose and one example of following commands : 5

(i) ls

(ii) mkdir

(iii) stat

(iv) mv

(v) cp

3. What is Shell ? List various shells available in Linux and explain any two. 5

Or

4. (d) Explain following types of file in Linux : 5

(i) User data files

(ii) System data files

(iii) System files.

5. Explain vi editor in brief. 5

Or

6. Why backup is needed ? Explain tar command. 5

7. Explain gzip and gunzip command. 5

Or

8. Write steps to format floppy disk in Linux Operating System. 5



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**COMPUTER SCIENCE Paper-II - Linux Operating System**

**UNIT TEST MARKS OUT OF 20**

Name of Teacher: Dr. J. K. Keche

Date:04/03/2024

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**Academic Session 2023-2024**

**Bachelor of Science (B. Sc.) (Semester-IV)**

**COMPUTER SCIENCE Paper-II - Linux Operating System**

**UNIT TEST on Unit III and IV**

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. Discuss top utility in Linux. 5  
Or
2. Write octal permission for following : 5  
(i) read, write and execute for owner, group and others (i.e. all)  
(ii) execute to all  
(iii) read and write to all  
(iv) write to all  
(v) read and execute to all.
3. Give syntax purpose and example of following commands : 5  
(i) Chown  
(ii) Chgrp.  
Or
4. What is PID ? Discuss PS Command in brief. 5
5. Explain KDE Desktop Environment. 5  
Or
6. What do you mean by communication utility ? Explain write and wall commands. 5
7. Discuss strategies which can be implemented to create more space on Hard Disk. 5  
Or
8. What is X windows system ? Explain how it works.



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