

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

**Academic Session 2019-2020**

**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

Signature of Teacher

Head of Department

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**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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**Academic Session 2019-2020**

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

**COMPUTER SCIENCE Paper-I Java Programming**

**UNIT TEST MARKS**

S.N.	Name of Students (ECSM)	Test marks out of 20 Test I	Test marks out of 20 Test II	Signature
1	Ashfiya M. Khan	17	14	
2	Ashu R. Gawali	10	20	
3	Devyani S. Pranjale	8	20	
4	Dimple P. Ganatra	A	14	
5	Mayuri R. Jatadhar	16	10	
6	Mona M. Mohadikar	15	17	
7	Nupur Soni	10	19	
8	Pallavi P. Baghele	13	A	
9	Ragini R. Waghmare	5	10	
10	Richa N. Kirad	A	5	
11	Sharwari R. Borikar	18	5	
12	Shital G. Thakre	20	17	
13	Shubhangi V. Mandekar	19	5	
14	Smita R. Jawade	11	14	
15	Tisha D. Jejani	A	19	
16	Aditya S. Jogwar	5	6	
17	Jatin D. Thakre	5	19	
18	Mayur Bobde	10	5	
19	Rohit Sharma	20	11	
20	Rushikesh D. Sarode	A	5	
21	Shubham Nimje	20	14	
22	Vijay R. Masram	12	9	
23	Yogesh H. Bhat	20	5	
24	Yashraj Y. Bhambarkr	7	17	
S.N.	Name of Students (PCSM)	Group	P1	
1	Aarti P. Tungar	20	11	

2	Aishwarya V. Khandait	8	13	
3	Anjana G. Singh	7	12	
4	Anushree P. Barahate	A	14	
5	Avanti P. Anay	13	12	
6	Ayushi R. Chotvani	14	6	
7	Bhagyashree A. Borkar	8	7	
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18	Pournima K. Mundley	10	16	
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21	Rani S. Rangari	10	9	
22	Ritika Sahu	A	10	
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25	Sakshi P. Ambolikar	6	9	
26	Sakshi P. Kadwe	8	10	
27	Sakshi R. Ganjare	6	8	
28	Sakshi V. Tawale	5	20	
29	Sandhya K. Dwivedi	12	11	
30	Sayali J. Tamane	12	16	
31	Shivani Nagpure	A	11	
32	Shreya M. Gahankari	7	9	
33	Shreya V. Borikar	9	9	
34	Sneha A. Yadav	7	6	
35	Snehal A. Ghugal	13	8	
36	Upasna Ratani	16	A	
37	Varsha M. Kamatkar	5	10	
38	Yukta D. Hajare	20	14	
39	Aadesh A. Ghanote	17	20	
40	Akshay S. Kokode	15	10	

41	Aniket A. Dhakate	A	9	
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48	Ramesh R. Sarkar	9	11	
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14	Dipti V. Vidya	19	A	
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26	Ketki R. Shende	5	16	
27	Nikesh V. Chavhan	16	5	
28	Aditya T. Shirpure	A	14	
29	Neetu M. Dharmari	16	15	
30	Yashashree D. Masurkar	9	A	
31	Sanket R. Tople	17	18	
32	Rutvik G. Harne	19	7	

Signature of Teacher

Head of Department

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

**Academic Session 2019-2020**

**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. (c) 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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**Academic Session 2019-2020**

**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 :  
(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. 5
3. Give syntax purpose and example of following commands :  
(i) Chown  
(ii) Chgrp. 5  
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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