

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. III ( Semester-VI)  
Session: - 2017 - 2018  
Unit Test I**

**Name of the Teacher: - V.Chainani  
Subject :- Statistics (Paper- II)**

**Date: 10/03/2018  
Batch :- M8-M9(SCSM)**

<b>S.no.</b>	<b>Students Full Name</b>	<b>Unit Test Marks(out of 20)</b>
1	Akanksha N. Deshmukh	A
2	Bharti S. Patle	15
3	Ankita P. Raoke	A
4	Ankita S. Markande	A
5	Deepti P. Kharatkar	8
6	Kalyani D. Muley	8
7	Kalyani D. Kongare	A
8	Mrunal S. Babhare	13
9	Nikhita P. Kadu	8
10	Nikita S. Salunke	15
11	Pallavi S. Kotmakar	11
12	Pooja D. Tekade	11
13	Prachi M. Singh	9
14	Pratha P. Tiwari	16
15	Priyanka B. Gokhe	A
16	Rasika R. Kalmegh	8
17	Ruchika R. Dharmik	13
18	Sakshi A. Pandey	A
19	Sangeeta B. Singh	8
20	Shivan S. Matey	13
21	Shriya S. Ghaiwat	9
22	Sonu P. Umathe	11
23	Sudipti K. Gode	A
24	Tanushree K. Dhawad	6
25	Vaishnavi M. Mhaske	11
26	Vaishnavi S. Kalmegh	15
27	Vijays G. Yenurkar	6
28	Abheejeet V. jumle	A
29	Apekshit P. Gajbhiye	10
30	Bhaves L. Popali	A
31	Pallav M. Tikle	5
32	Pradyumna A. Shembarkar	12
33	Rahul M. Meshram	6
34	Sagar U Prasad	A
35	Swapnil V. Pande	9
36	Aishwarya M. kadu	A
37	Priya R. Pandey	A
38	Richa S. Chandel	A

Ahainani

Signature of Teacher



M. Panale

Head

Head

Department of Statistics  
Shivaji Science College  
Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester—VI Examination 2018**  
**STATISTICS**  
**Unit Test –I**  
**Semester VI Paper—II**

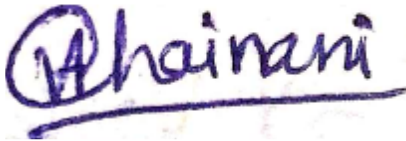
**Time: 45 min]**

**Maximum Marks: 20.**


**Date: 10/03/2018**

**NOTE: All questions carry equal marks**

1. Give complete statistical analysis of variance of two way classified data with one observation per cell.
2. Explain the linear model in analysis of variance of one way classified data with unequal number of entries in classes. Obtain the breakup of total sum of squares.
3. Which basic principles of design of experiments are used in C.R.D.? Carry out complete statistical analysis.
4. What is meant by 'Design of an experiment'? Describe in brief the three principles of designs of experiment.





  
**Head**  
**Head**  
Department of Statistics  
Shivaji Science College  
Congress Nagar, Nagpur.

**Signature of Teacher**

**Shri Shivaji Education Society Amravati's**  
**Science College, Congress Nagar, Nagpur.**  
**Department of STATISTICS**  
**Class :- B. Sc. III ( Semester-VI)**  
**Session: - 2017 - 2018**  
**Unit Test II**

**Name of the Teacher: - V.Chainani**  
**Subject :- Statistics (Paper- II)**

**Date: 20/04/2018**  
**Batch :- M8-M9(SCSM)**

<b>S.no.</b>	<b>Students Full Name</b>	<b>Unit Test Marks(out of 20)</b>
1	Akanksha N. Deshmukh	16
2	Bharti S. Patle	A
3	Ankita P. Raoke	A
4	Ankita S. Markande	10
5	Deepti P. Kharatkar	9
6	Kalyani D. Muley	A
7	Kalyani D. Kongare	10
8	Mrunal S. Babhare	A
9	Nikhita P. Kadu	A
10	Nikita S. Salunke	A
11	Pallavi S. Kotmakar	7
12	Pooja D. Tekade	5
13	Prachi M. Singh	A
14	Pratha P. Tiwari	11
15	Priyanka B. Gokhe	A
16	Rasika R. Kalmegh	12
17	Ruchika R. Dharmik	13
18	Sakshi A. Pandey	5
19	Sangeeta B. Singh	15
20	Shivan S. Matey	11
21	Shriya S. Ghaiwat	15
22	Sonu P. Umathe	16
23	Sudipti K. Gode	5
24	Tanushree K. Dhawad	7
25	Vaishnavi M. Mhaske	A
26	Vaishnavi S. Kalmegh	5
27	Vijays G. Yenurkar	15
28	Abheejeet V. jumle	8
29	Apekshit P. Gajbhiye	7
30	Bhavesh L. Popali	16
31	Pallav M. Tikle	A
32	Pradyumna A. Shembarkar	A
33	Rahul M. Meshram	10
34	Sagar U Prasad	5
35	Swapnil V. Pande	A
36	Aishwarya M. kadu	14
37	Priya R. Pandey	9
38	Richa S. Chandel	5

Ahainani

Signature of Teacher



M. Panale

Head

Head

Department of Statistics  
Shivaji Science College  
Congress Nagar, Nagpur

**Bachelor of Science (B.Sc.) Semester—VI Examination 2018**

**STATISTICS**

**Unit Test –II**

**Semester VI Paper—II**

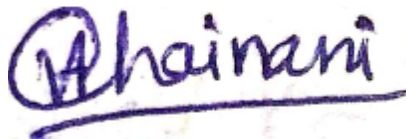
**Time: 45 min]**

**Maximum Marks : 20.**

**Date: 20/04/2018**


**NOTE: All questions carry equal marks**

1. Give a layout of randomized block design with 3 blocks and 4 treatments. State the mathematical model of R.B.D. and describe various terms involved in it.
2. Explain the procedure of testing the significance of the difference between two treatment means in R.B.D
3. Define a linear contrast. When are two such contrasts said to be orthogonal? A  $2^3$  -factorial experiment is arranged in an R.B.D. with  $r$  replicates. Show that in this experiment, the main effects A and B and interaction effects AB and ABC are orthogonal contrasts to each other.
4. State the difference between simple experiments and factorial experiments. Carry out complete analysis of a  $2^2$  -factorial experiment arranged in an R.B.D.



**Signature of Teacher**



  
**Head**  
**Head**  
**Department of Statistics**  
**Shivaji Science College**  
**Congress Nagar, Nagpur.**