

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. III ( Semester-VI)  
Session: - 2019 - 2020  
Unit Test I**

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

**Date: 26/03/2020  
Batch :- M8-M9(SCSM)**

<b>S.no.</b>	<b>Students Full Name</b>	<b>Unit Test Marks(out of 20)</b>
1	ANKUSH D. YEDE	A
2	ASHWINI S. MALHARE	12
3	DIPTI VIVEK VAIDYA	6
4	HARSHITA . KAPSE	A
5	HEMA R. GUPTA	14
6	KETKI R. SHENDE	A
7	KHUSHI R. SHARMA	A
8	MADHURA V. DUBEY	14
9	MANSI B. DOKRIMARE	6
10	NEETU M. DHARMARI	A
11	NITISHA R. PILLEWAN	8
12	PRANJALI . MIRALWAR	A
13	RADHIKA A. TIWARI	6
14	RUCHIKA . GOLAIT	14
15	SAUJANYA . YELMULE	6
16	SNEHA S. IKHAR	15
17	SWARDA S.H KAWARE	A
18	TANUJA D. LILHARE	11
19	UNNATI J. UKINKAR	A
20	AMEYA R. MHAISURKAR	11
21	BHUSHAN G.MESHRAM	7
22	H. B. SHARANAGAT	10
23	MAYANK . RAMTEKKAR	13
24	OMKAR UMESH LONDHE	6
25	PRATIK S. MULEY	A
26	P.D. RAKHADE	10
27	SANKET R. TOPLE	8
28	S.A. DESHPANDE	A
29	SUBODH N. CHAUDHARI	A
30	YOGESH R. WAGHODE	12

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 2020**

**STATISTICS**

**Unit Test –I**

**Semester VI Paper—II**

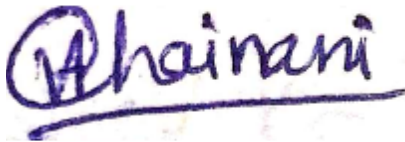
**Time: 45 min]**

**Maximum Marks: 20.**

**Date: 26/03/2020**

**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.
3. Which basic principles of design of experiments are used in C.R.D.? Carry out complete statistical analysis of C.R.D.
4. Describe in brief the three principles of designs of experiment. How are these principles used in C.R.D., R.B.D. and L.S.D.?



**Signature of Teacher**





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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. III ( Semester-VI)  
Session: - 201 - 2020  
Unit Test II**

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

**Date: 28/04/2020  
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	ANKUSH D. YEDE	A
2	ASHWINI S. MALHARE	14
3	DIPTI VIVEK VAIDYA	A
4	HARSHITA . KAPSE	7
5	HEMA R. GUPTA	9
6	KETKI R. SHENDE	5
7	KHUSHI R. SHARMA	A
8	MADHURA V. DUBEY	A
9	MANSI B. DOKRIMARE	10
10	NEETU M. DHARMARI	6
11	NITISHA R. PILLEWAN	14
12	PRANJALI . MIRALWAR	A
13	RADHIKA A. TIWARI	15
14	RUCHIKA . GOLAIT	14
15	SAUJANYA . YELMULE	A
16	SNEHA S. IKHAR	A
17	SWARDA S.H KAWARE	14
18	TANUJA D. LILHARE	7
19	UNNATI J. UKINKAR	6
20	AMEYA R. MHAISURKAR	15
21	BHUSHAN G.MESHRAM	10
22	H. B. SHARANAGAT	7
23	MAYANK . RAMTEKKAR	9
24	OMKAR UMESH LONDHE	14
25	PRATIK S. MULEY	10
26	P.D. RAKHADE	8
27	SANKET R. TOPLE	5
28	S.A. DESHPANDE	11
29	SUBODH N. CHAUDHARI	A
30	YOGESH R. WAGHODE	14

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 2020**

**STATISTICS**

**Unit Test –II**

**Semester VI Paper—II**

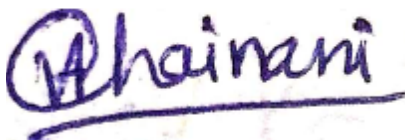
**Time: 45 min]**

**Maximum Marks : 20.**

**Date: 28/04/2020**

**NOTE: All questions carry equal marks**

1. Obtain the expected value of mean sum of squares due to treatment in L.S.D. What are the advantages of Latin Square Design? State its drawbacks.
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.



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