

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. III (Semester-VI)
Session: - 2021 - 2022
Unit Test I**

**Name of the Teacher: - Dr.S.S.Paliwal
Subject :- Statistics (Paper- II)**

**Date: 18/03/2022
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	A. S. MISHRA	A
2	A. VIJAYKUMAR	11
3	B.V. SINDHAMWAR	A
4	CHINAR KURVE	12
5	HARSHA S. UKEY	8
6	J. G. GAYDHANE	A
7	KOMAL P. JOKYANI	9
8	M.S. KHAIRKAR	7
9	M.N. SELOKAR	15
10	PARIDHI A. SINGH	A
11	POOJA S. TELANG	15
12	PREETI RAI	14
13	R.M. GOSWAMI	A
14	RIYA RAI	10
15	RUSHIKA V. TIKOO	15
16	S.V. RAMBHAD	A
17	SHARVARI S. NATU	12
18	S. CHADOKAR	14
20	S.R. BHONDE	10
21	S.G. DANDEKAR	A
22	S.V. UGEMUGE	12
23	V. KALOKAR .	11
24	V.S. KULKARNI	A
25	V. WADSKAR .	13
26	A.C. MESHARAM	15
27	AMAN AGRAWAL	9
28	C. D. MADHAVI	A
29	P.P. BAHARGHARE	14
30	S.S. DONGRE	9
31	SAYABAJ SHEIKH .	10
32	SHIVAM R. KAKDE	A
33	S.A.I. SHEIKH	A

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Signature of Teacher



U. A. Panale

Head

Head
Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur

Bachelor of Science (B.Sc.) Semester—VI Examination 2022

STATISTICS

Unit Test –I

Semester VI Paper—II

Time: 45 min]

Maximum Marks: 20.

Date: 18/03/2022

NOTE: All questions carry equal marks

1. Give complete statistical analysis of variance of one way classified data with one observation per cell.
2. Explain the linear model in analysis of variance of two 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.



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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: - 2021 - 2022
Unit Test II**

**Name of the Teacher: - Dr.S.S.Paliwal
Subject :- Statistics (Paper- II)**

**Date: 26/04/2022
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	A. S. MISHRA	12
2	A. VIJAYKUMAR	12
3	B.V. SINDHAMWAR	15
4	CHINAR KURVE	9
5	HARSHA S. UKEY	13
6	J. G. GAYDHANE	7
7	KOMAL P. JOKYANI	15
8	M.S. KHAIRKAR	16
9	M.N. SELOKAR	12
10	PARIDHI A. SINGH	10
11	POOJA S. TELANG	11
12	PREETI RAI	8
13	R.M. GOSWAMI	10
14	RIYA RAI	13
15	RUSHIKA V. TIKOO	13
16	S.V. RAMBHAD	7
17	SHARVARI S. NATU	9
18	S. CHADOKAR	8
20	S.R. BHONDE	15
21	S.G. DANDEKAR	7
22	S.V. UGEMUGE	16
23	V. KALOKAR .	8
24	V.S. KULKARNI	15
25	V. WADSKAR .	11
26	A.C. MESHRAM	16
27	AMAN AGRAWAL	16
28	C. D. MADHAVI	9
29	P.P. BAHARGHARE	11
30	S.S. DONGRE	11
31	SAYABAJ SHEIKH .	14
32	SHIVAM R. KAKDE	8
33	S.A.I. SHEIKH	14

Shivaji

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Bachelor of Science (B.Sc.) Semester—VI Examination 2022
STATISTICS
Unit Test –II
Semester VI Paper—II

Time: 45 min]

Maximum Marks : 20.

Date: 26/04/2022

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 L.S.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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