Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. III (Semester-VI)
Session: - 2023 - 2024
Unit Test I

Name of the Teacher: - Dr.S.S.Paliwal   **Date: 05/03/2024**
Subject :- Statistics (Paper- II)   **Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	ABHISHEK S NANOTY	A
2	AKSHAYA R IYER	9
3	ANCHAL SUR	A
4	ANJALI JAISWAL	10
5	ARYA G KADU	12
6	ASTHA KADU	16
7	AVANI V ADHAV	11
8	BHAVSH R KADWE	8
9	DARSHAN V DARVEKAR	A
10	DHRUVIKA O GOTMARE	9
11	DIYANKA M RAUT	A
12	EKTA V SANT	11
13	GUNJAN V MOURYA	7
14	HARSHITA S VARADE	A
15	HIMANSHU D RAMTEKE	11
16	ISHIKA S NAIK	10
17	ISHITA S SHRIVASTAVA	8
18	JANHAVI P DIWAKAR	12
20	JAYANT J HALDAR	A
21	KASHISH H BAWANGADE	15
22	MANSI D NANDANWAR	16
23	OM P DORLE	A
24	PARTH S VIRKHARE	7
25	PRANALI D DANDEKAR	A
26	PRANAV R BAGADE	9
27	PRIYA KUMARI PRASAD DEONATH	15
28	PRIYANKA M KHARWAR	12
29	RAJAT B TIWARI	14
30	RIYA R SINGH	15
31	ROHAN K NIMJE	A
32	SANJANA M GHATOLE	14
33	SARVAJEET P MASANWAR	A
34	SEJAL V SURUSE	16
35	SHRADDHA S SANDEL	7

36	SHRUTI R BHAGAT	8
37	SHRUTI S GAIKWAD	16
38	SHUBADA V KABULE	A
39	SUDHANSHU SAKARE	13
40	TRUPTI A MONDHE	8
41	VIDHAN R HEDAOO	A
42	YUNAKSHI P KAROKAR	A

Signature of Teacher

SEAL

Shivaji Science College, Congress Nagar Nagpur

Head

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

Bachelor of Science (B.Sc.) Semester—VI Examination 2024
STATISTICS
Unit Test –I
Semester VI Paper—II

Time : 45 min]   **Maximum Marks : 20**.
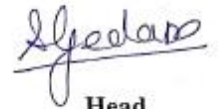
Date: 05/03/2024

NOTE: All questions carry equal marks

1. 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.

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: - 2023 - 2024
Unit Test II

Name of the Teacher: - Dr.S.S.Paliwal   **Date: 01/04/2024**
Subject :- Statistics (Paper- II)   **Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	ABHISHEK S NANOTY	A
2	AKSHAYA R IYER	13
3	ANCHAL SUR	A
4	ANJALI JAISWAL	16
5	ARYA G KADU	A
6	ASTHA KADU	A
7	AVANI V ADHAV	9
8	BHAVSH R KADWE	8
9	DARSHAN V DARVEKAR	A
10	DHRUVIKA O GOTMARE	16
11	DIYANKA M RAUT	A
12	EKTA V SANT	A
13	GUNJAN V MOURYA	13
14	HARSHITA S VARADE	7
15	HIMANSHU D RAMTEKE	A
16	ISHIKA S NAIK	13
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24	PARTH S VIRKHARE	16
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26	PRANAV R BAGADE	14
27	PRIYA KUMARI PRASAD DEONATH	A
28	PRIYANKA M KHARWAR	10
29	RAJAT B TIWARI	A
30	RIYA R SINGH	13
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36	SHRUTI R BHAGAT	12
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39	SUDHANSHU SAKARE	11
40	TRUPTI A MONDHE	8
41	VIDHAN R HEDAOO	A
42	YUNAKSHI P KAROKAR	A

Signature of Teacher

SEAL
Shivaji Science College, Congress Nagar Nagpur

Head

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

Bachelor of Science (B.Sc.) Semester—VI Examination 2024
STATISTICS
Unit Test –II
Semester VI Paper—II

Time : 45 min]   **Maximum Marks : 20.**
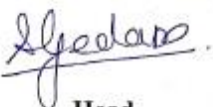
Date: 01/04/2024

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 23 -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 22 -factorial experiment arranged in an R.B.D.

Signature of Teacher

SEAL

Head