

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

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

**Date: 13/03/2024
Batch :- M8-M9(SCSM)**

S.no.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	BANGRE ARPIT MANOJ	A
2	BATWE HRUSHIKESH SANJAY	14
3	BISEN SAGAR ARUN	12
4	KU.BISWAS APARAJITA APURBA	8
5	KU.BHAYDE PRATEEKSHA PRAVIN	14
6	BHENDARKAR KHUSHRANG JAIPRAKASH	15
7	KU.BHUJADE RUTUJA RAJRNDRA	11
8	CHOUHAN SOMAY SATISH	7
9	DEWANGAN MAHANDRA GANESH	A
10	KU.DUDHANKAR RUPALI RAJESH	16
11	FULMALI HITESH SANTOSH	11
12	GAJBHIYE YASH RAJU	A
13	KU GAWANDE AMRUTA VIJAY	A
14	KU GAWANDE NEHA GAJENDRA	A
15	KU GONDANE ISHA DINESH	A
16	KU.GUPTA VAISHNAVI BHARAT	12
17	KU.GUPTA PRINCY ASHOK	9
18	INGLE AJINKYA MAHENDRA	A
19	KU.LICHADE AYUSHI KRISHNA	10
20	KU.LOKHANDE AKANSHA ARVIND	15
21	KU KARANDE ASTHA GANGADHAR	9
22	KHAN FAISAL NAYEEMUDDIN	A
23	KHODE YASH SANJAY	A
24	KU.KUITE ANUSHKA VINOD	13
25	KU.MOHADIKAR AKSHITA PUSHPARAJ	16
26	KUNAGARIKAR ANUJA JAYANT	14
27	KU.PANDEY KAMAL BRIJESH	A
28	KU.PARATE PRANJAL JEEVAN	12
29	KU.RAUT RAKSHA GAJANAN	A
30	KU.SATFALE RAKSHA SANJAY	16

31	KU.SINGALWAR FALGUNI ANIL	7
32	TIWARI SHUBHAM	10
33	TOMAR ATHARVA JITENDRA	A
34	WAGDE ASHLESHA YUVRAJ	16
35	WAGHE SAKSHI SANDIP	9
36	YADAV SEJAL ASHOK	A



Signature of Teacher



Head

Head

Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur.

Bachelor of Science (B.Sc.) Semester—IV Examination 2024

STATISTICS

Unit Test -I

Semester IV Paper—II


Time : 45 min]

Maximum Marks : 20.

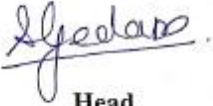
Date: 13/03/2024

NOTE: All questions carry equal marks

1. Explain the following mortality rates stating their uses, merits and demerits:
(i) Infant Mortality rate. (ii) Causes of death rate.
2. Explain the following terms in a complete life table : l_x , dx , px , qx , L_x , T_x , ex , eo
3. (A) Distinguish between stable and stationary population. (B) Distinguish between C.B.R. and G.F.R
4. Explain the construction of following rates stating assumptions, definition, merits and demerits:
(i) Age Specific Fertility Rate (ii) Total Fertility Rate..


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**Shri Shivaji Education Society Amravati's
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Department of STATISTICS
Class :- B. Sc. II (Semester-IV)
Session: - 2023- 2024
Unit Test II**

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

**Date: 03/04/2024
Batch :- M8-M9(SCSM)**

S.no.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	BANGRE ARPIT MANOJ	A
2	BATWE HRUSHIKESH SANJAY	A
3	BISEN SAGAR ARUN	8
4	KU.BISWAS APARAJITA APURBA	10
5	KU.BHAYDE PRATEEKSHA PRAVIN	14
6	BHENDARKAR KHUSHRANG JAIPRAKASH	11
7	KU.BHUJADE RUTUJA RAJRNDRA	7
8	CHOUHAN SOMAY SATISH	A
9	DEWANGAN MAHANDRA GANESH	A
10	KU.DUDHANKAR RUPALI RAJESH	12
11	FULMALI HITESH SANTOSH	A
12	GAJBHIYE YASH RAJU	A
13	KU GAWANDE AMRUTA VIJAY	A
14	KU GAWANDE NEHA GAJENDRA	A
15	KU GONDANE ISHA DINESH	8
16	KU.GUPTA VAISHNAVI BHARAT	11
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21	KU KARANDE ASTHA GANGADHAR	13
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34	WAGDE ASHLESHA YUVRAJ	11
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Shivaji

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


Time : 45 min]

Maximum Marks : 20.

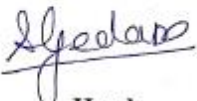
Date: 03/04/2024

NOTE: All questions carry equal marks

1. Define Percentile scores and T-Scores. Explain how these scores are computed for a given frequency distribution of raw scores.
2. Explain z-scores and standard scores. Show that mean and variance of z-scores are 0 and 1 respectively. State the merits and demerits of these scores.
3. Define the terms reliability and validity of a Psychological test. How is the validity of a test obtained experimentally?
4. Explain the method of rational equivalence for estimating the test reliability. Derive Kuder-Richardson's Formula-20.


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