

Shri Shivaji Mahavidyalaya, Barshi
Department of Statistics
Time Table (2023-24)

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
09:40- 01:00	(B.Sc.2) Practical (M.R.M.)		---	---	(B.Sc.2) Practical (M.R.M.)	
10:30- 11:20	(B.Sc.1) (M.R.M.)	(B.Sc.1) (M.R.M.)	(B.Sc.1) (M.R.M.)	(B.Sc.1) (M.R.M.)	---	(B.Sc.1) (M.R.M.)
11:20- 12:10	---	---	---	---	---	---
12:10- 01:00	(B.Sc.3) (M.R.M.)	(B.Sc.3) (M.R.M.)	(B.Sc.3) (M.R.M.)	(B.Sc.3) (M.R.M.)	(B.Sc.3) (M.R.M.)	(B.Sc.3) (M.R.M.)
01:00- 01:50	(B.Sc.2) (M.R.M.)	(B.Sc.2) (M.R.M.)	(B.Sc.2) (M.R.M.)	(B.Sc.2) (M.R.M.)	(B.Sc.2) (M.R.M.)	(B.Sc.2) (M.R.M.)
01:50- 02:40	---	---	---	---	---	---
02:40- 06:00	(B.Sc.1) Practical (M.R.M.)	(B.Sc.1) Practical (M.R.M.)	(B.Sc.3) Practical (M.R.M.) (01:50- 06:00)			

Teacher Name: Mr. Maske M. R.

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Department of Statistics

Work-Load Distribution (2023-24)

Class	Paper No.	Name of the Teacher
B. Sc .I	I	Mr. Maske M.R.
	II	Mr. Maske M.R.
	III	Mr. Maske M.R.
	IV	Mr. Maske M.R.
B. Sc .II	V	Mr. Maske M.R.
	VI	Mr. Maske M.R.
	VII	Mr. Maske M.R.
	VIII	Mr. Maske M.R.
B. Sc .III	IX	Mr. Maske M.R.
	X	Mr. Maske M.R.
	XI	Mr. Maske M.R.
	XII	Mr. Maske M.R.
	XIII	Mr. Maske M.R.
	XIV	Mr. Maske M.R.
	XV	Mr. Maske M.R.
	XVI	Mr. Maske M.R.
	MS-Excel	Mr. Maske M.R.

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SHRI SHIVAJI MAHAVIDYALAYA, BARSHI
Department of Statistics
Annual Planning (2023-24)

Teacher Name: Mr. Maske M. R.

First Term:

Class	Paper	Practical	Month
B.Sc. I	Descriptive Statistics-I Unit-1.1 Nature of Data Unit-1.2 Attribute Unit-2 Measures of Central Tendency Unit-3 Measures of Dispersion	1.1,1.2,1.3, 1.4,1.5,	August 2022
B. Sc. II	Probability Distributions-I Unit-1 Discrete Distributions Unit-2 Continuous Univariate Distributions	Practical No: 1,2,3,4,5,6,7	August 2022
B.Sc. III	Regression Analysis	Practical's	August 2022
B.Sc. I	Unit-4 Moments, Skewness, Kurtosis Paper No-II Probability and Probability Distribution-I Unit-1 Sample Space and Events	1.6,1.7,1.8,1.9	September 2022
B. Sc. II	Unit-3 Continuous Bivariate Distributions Unit-4 Transformations of Continuous Random Variables Paper-IV Statistical Methods Unit-1 Multiple Regression	Practical No: 5,6,7,8,9, 10,11,12,13	September 2022
B.Sc. III	Sampling Techniques	Sampling Practical	September 2022

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B.Sc. I	Unit-2 Probability Unit-3 Conditional Probability Unit-4 Independence of Events	Practical No: 1.8,1.9,1.10	October 2022
B. Sc. II	Unit-2 Multiple and Partial Correlation Unit-3 Sampling Theory	Practical No: 14,15,16,17	October 2022
B.Sc. III	Probability Distribution	Practical's	October 2022
B.Sc. I	Revision		November 2022
B.Sc. II	Unit-4 Statistical Quality Control (SQC) Revision	Practical No: 18,19,20	November 2022
B.Sc. III	Statistical Inference	Practical's	November 2022

Second Term:

Class	Paper	Practical	Month
B.Sc. I	Descriptive Statistics-II Unit-1 Correlation Unit-2 Regression	Practical No: 1.11,1.12,1.13,1.14	January 2023
B. Sc. II	Probability Distribution-II Unit-1 Uniform & Exponential Unit-2 Gamma & Beta Distribution Unit-3 Normal Distribution	Paper III (Practical) 1,2,3,4,5,6	January 2023
B.Sc. III	Probability Theory	—	January 2023
B.Sc. I	Unit-3 Index Number Unit-4 Tests of Index Numbers	Practical No: 1.15,1.16,1.17	February 2023
B. Sc. II	Unit-4 Exact Sampling Distribution Applied Statistics Unit-1 Time Series	Practical No: 7,8,9,10,11,12,13	February 2023
B.Sc. III	Time Series Analysis Statistical Inference-II	Practical's	February 2023

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B.Sc. I	Discrete Probability Distribution Unit-1 Univariate Prob. Distribution Unit-2 Mathematical Expectation Unit-3 Some Standard Prob. Distributions	Practical No: 1.18,1.19,1.20	March-2023
B. Sc. II	Unit-2 Testing of Hypothesis Unit-3 Elements of Demography	Practical No: 14,15,16,17	March-2023
B.Sc. III	Statistical Inference-II Design of Experiment	Practical's	March-2023

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Mr. Maske M. R.

Department of Statistics

S.S.M. Barshi

Date: 30/03/2024

To

The Principal

S.S.M. Barshi.

Sub: Syllabus completion report

R/S

I have satisfactorily completed the prescribed syllabus of B.Sc. I, II & III according to the workload assigned to me in the academic year 2023-2024.

This completion report is given on this 30th day March 2024.

M. R. Maske
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Department of Statistics

B.Sc. III (2023-24)

Add-On Course: MS-Excel

Sr. No.	Seat No.	PRN No	Student Name	Marks
1.	337437	202101082003817	AHER AMAL VAMAN	20
2.	337460	202101082003666	DESHMUKH KRISHNA DHIRODATTA	20
3.	337485	202101082003637	JAGTAP NAMRATA RAVINDRA	20
4.	337490	202101082003652	KALE NIKITA NAVNATH	20
5.	337493	202101082003808	KARADE SAMRUDHI DATTATRAY	20
6.	337499	202101082003952	KHAIRE SARTHAK BALAJI	20
7.	337507	202101082003719	KONDHARE PRASAD PRASHANT	17
8.	337517	202101082003662	LONDHE TRUPTI YUVRAJ	18
9.	337529	202101082005249	MORE RUTUJA RAJENDRA	20
10.	337584	202101082003765	WAGHMARE GANESH SHANKAR	18
11.	337586	202101082003703	YADAV ANIKET ANIL	20
12.	340691	202101082003645	NAIKWADI MADHAVI RANGANATH	16
13.	340695	202101082003823	SURWASE VAISHNAVI RAJENDRA	17
14.	340692	202101082003810	PANDIT SIDDHRATH BHAGWAT	15

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Department of Statistics

Departmental Project (2023-24)

Group-1

Project Name: "Students and Teachers Feedback Analysis".

Sr. No.	Name of the Students	Guide
1.	Mr. Yadav Aniket	Mr. Maske M. R.
2.	Mr. Waghmare Ganesh	
3.	Mr. Kondhare Prasad	
4.	Mr. Khaire Sarthak	
5.	Mr. Deshmukh Krushna	
6.	Mr. Aher Aman	

Group-2

Project Name: "Effect of Social Media On Youth".

Sr. No.	Name of the Students	Guide
1.	Ms. Londhe Trupti Yuvraj	Mr. Maske M. R.
2.	Ms. Karade Samrudhi Dattatray	
3.	Ms. Kale Nikita Navnath	
4.	Ms. Survase Vaishnavi Rajendra	
5.	Ms. Naikwadi Madhavi	

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Group-3

Project Name: "Happiness Status Of Peoples In Barshi Area".

Sr. No.	Name of the Students	Guide
1.	Ms. More Rutuja Rajendra	Mr. Maske M. R.
2.	Ms. Jagtap Namrata Ravindra	

Rutuja
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SHRI SHIVAJI MAHAVIDYALAYA, BARSHI

Department of Statistics

B. Sc. II (Sem-II)

Internal Examination

Marks: 10

Paper: Descriptive Statistics-II

Time: 10:30 – 11:00

Q. 1) Attempt any TWO of the following.

1. Define correlation coefficient and its types.
2. Write any two properties of regression coefficients.
3. Show that correlation coefficient is independent of change of but not on scale.

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Department of Statistics

B. Sc. II (Sem-II)

Internal Examination

Marks: 10

Paper: Discrete Probability Distribution

Time: 10:30 – 11:00

Q. 1) Attempt any TWO of the following.

1. Find mean and variance of one point distribution.
2. Find p.g.f. of Binomial distribution.
3. Find recurrence relation of Poisson distribution.

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B. Sc. II (Sem-IV)

Internal Examination

Marks: 10

Paper: Continuous Probability Distribution

Time: 1:00 – 1:50

Q. 1) Attempt any TWO of the following.

1. If $X \rightarrow U [a, b]$, then find $E(X)$ and $\text{Var}(X)$.
2. If $X \rightarrow G(\alpha, \lambda)$, then find mgf
3. If $X \rightarrow B_1(m, n)$ then find harmonic mean.

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B. Sc. II (Sem-IV)

Internal Examination

Marks: 10

Paper: Statistical Methods-II

Time: 1:00 – 1:50

Q. 1) Attempt any TWO of the following.

1. What is time series and discuss its components.
2. Write procedure of method of simple average.
3. Write procedure of testing equality of two population means when σ^2 is unknown.

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B. Sc. III (Sem-VI)

Internal Examination

Marks: 10

Paper: Statistical Inference-II

Time: 12:10 – 1:00

Q. 1) Attempt any TWO of the following.

1. To find C.I. for normal population mean when σ^2 is known.
2. Define M.P. test and U.M.P. test
3. Define the following terms:
 - a) Type-1 error
 - b) Power of test
 - c) Pivotal quantity
 - d) Confidence Interval

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B. Sc. III (Sem-VI)

Internal Examination

Marks: 10

Paper: Probability Theory

Time: 12:10 – 1:00

Q. 1) Attempt any TWO of the following.

1. Define order statistic and find pdf of first order statistic.
2. If $X \rightarrow \exp(\theta)$, then find $E(X_{(1)})$.
3. State and prove WLLN.

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B. Sc. III (Sem-VI)

Internal Examination

Marks: 10

Paper: Time Series Analysis

Time: 12:10 – 1:00

Q. 1) Attempt any TWO of the following.

1. Define time series and discuss its utility.
2. Write procedure of single exponential smoothing.
3. Discuss procedure of moving average method.

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B. Sc. III (Sem-VI)

Internal Examination

Marks: 10

Paper: Design of Experiment

Time: 12:10 – 1:00

Q. 1) Attempt any TWO of the following.

1. Discuss layout of CRD.
2. What are principles of DOE?
4. Define the following terms:
 - a) Treatments
 - b) Yield
 - c) Experimental error
 - d) Block

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