

SRI VENKATESWARA UNIVERSITY: TIRUPATI
B.A / B.COM / B.SC.DEGREE COURSE
LIFE SKILL COURSE
FIRST YEAR – SECOND SEMESTER
UNDER CBCS W.E.F. 2020-21

ELEMENTARY STATISTICS

Objective: To provide basic understating of general statistical tools and their elementary applications and to create awareness on Indian Statistical System.

Learning outcomes

Unit-I: To understand the concept of Statistics and its merits and demerits. Distinguishing primary and secondary data. Classification, Tabulation and Pictorial representation of data.

Unit - II: To understand the basic nature of data and how a single value describes the entire dataset. Measuring the degree of departure of a distribution from symmetry and reveals the direction of scatterdness of the items.

Unit - III: To understand the spread of the data and to draw conclusions from the comparison of averages.

To understand the concept of correlation and regression and to learn the degree of association between two variables and establishing relationship between the variables.

SYLLABUS

UNIT - I Meaning, scope and limitations of Statistics Collection of data: Primary and Secondary, Classification and Tabulation, Construction of frequency distribution. Graphical Representation: Histogram, Bar, Pie and Frequency polygon. **(8hrs)**

UNIT - II Measures of Central Tendency: Features of good average, Arithmetic Mean, Median, Mode. Empirical relationship between Mean Median and Mode and skewness based on central values. **(8hrs)**

UNIT - III Measures of Dispersion: Range, Quartile Deviation (QD), Mean Deviation (MD), Variance, Standard Deviation (SD), relationship between QD, MD and SD. Familiarization of the concepts relating to Correlation and Linear Regression line. **(8hrs)**

Books for Study:

1. Statistics (Theory, Methods, Application) D C Sancheti, V K Kapoor, Sultan Chand and Sons, New Delhi
2. Statistical Methods, S.P. Gupta, Sultan Chand and Sons, New Delhi
3. Statistics (Theory and Practice) B.N Gupta, Sahitya Bhavan, Agra

Web sites for free download books for Statistics

<https://www.pdfdrive.com/introduction-to-statistics-books.html>

<http://www.freebookcentre.net/SpecialCat/Free-Statistics-Books-Download.html>

<https://bookboon.com/en/statistics-ebooks>

http://onlinestatbook.com/Online_Statistics_Education.pdf

Degree: Arts/Science/Commerce

Program Name: Foundation Course

Course Name: Elementary Statistics

Semester: I/II/III

Hrs/Week: 2

Credits: 2

Co-curricular activities:

Objective is to apply the theoretical concept to real life data which enhances the learning and interpretation ability to the current environment.

CoCA I: (i) Collect primary or secondary data and establish frequency distribution.

(ii) Suitable pictorial/ Graphical representation to the established frequency Distribution

CoCA II: (i) Select the data and then calculate AM, Median and Mode and interpret the Result.

(ii) Calculate the skewness based on central values and interpret the degree of departure of a distribution from symmetry and the direction of scatterness Of the items.

CoCA III: (i) Calculate the dispersion values of a data for a single or double data sets and to draw conclusions from the comparison of averages.

(ii) Select the bivariate data (for example, select marks of any two subjects of your course) and calculate the degree of association and establish the linear relationship and find the forecasting value.

CoCA IV: If there is an internet facility at your college/home, go through the Ministry of Statistics and Program Implementation site www.mospi.gov.in to know about the Indian Statistical System and <https://desap.cgg.gov.in> or www.apdes.in to know about the Andhra Pradesh Directorate of Economics and Statistics (APDES) and its activities.

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FIRST YEAR – SECOND SEMESTER
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ELEMENTARY STATISTICS
MODEL QUESTION PAPER

TIME: 1 ½ hours (90 Min.)

MAX. MARKS: 50
(Total: 4x5=20 Marks)

SECTION-A

Answer any four questions. Each answer carries 5 marks

- 1. Limitations of statistics.**
- 2. Pie diagram.**
- 3. Histogram.**
- 4. Characteristics of a good average.**
- 5. Skewness.**
- 6. Merits of standard deviation.**
- 7. Regression lines.**
- 8. Questionnaire.**

SECTION-B (Total: 3x10=30 Marks)

Answer ONE Questions from each UNIT. Each answer carries 10 marks

UNIT-I

- 9. a) Define Statistics and examine its importance in the measurement of economic activity.**

OR

- b) Explain concepts of classification and tabulation of statistical data.**

UNIT-II

- 10 a) Calculate mean for the following data**

Class Interval:	0-10	10-20	20-30	30-40	40-50	50-60
Frequency :	4	6	10	15	8	7

OR

- b) Calculate mode for the following data**

Monthly wage:	20-30	30-40	40-50	50-60	60-70	70-80	80-90
No. of employees:	28	32	45	60	56	40	20

UNIT-III

- 11 a) Calculate coefficient of quartile deviation from the following data**

Marks:	10	20	30	40	50	60
No. of students:	4	7	15	8	7	2

OR

- b) Calculate standard deviation and coefficient of variation to the following data.**

X:	0-10	10-20	20-30	30-40	40-50	50-60	60-70
F:	6	11	15	28	21	12	7

SRI VENKATESWARA UNIVERSITY

B.A. / B.Com. / B.Sc. DEGREE COURSES LIFE SKILL COURSE

FIRST YEAR – SECOND SEMESTER UNDER CBCS W.E.F. 2020-21

INDIAN CULTURE & SCIENCE

Learning Outcomes:

By successful completion of the course, students will be able to:

1. Understand the evolution of India's culture
2. Analyze the process of modernization of Indian society and culture from past to future
3. Comprehend objective education and evaluate scientific development of India in various spheres
4. Inculcate nationalist and moral fervor and scientific temper

Syllabus:

Unit – I: Unity in Diversity in India: (09 hrs)

Coexistence of various religions since ancient times - Hinduism, Buddhism, Jainism and Atheism, and later Sikhism, Islam and Christianity

The Bhakti (Vishnavite and Saivaite) and Sufi Movements

The concepts of seela, karuna, kshama, maitri, vinaya, santhi and ahimsa Achievements in Literature, Music, Dance, Sculpture and Painting - Craftsmanship in cloth, wood, clay, metal and ornaments

Cultural diversity, Monogamy, Family system, Important seasonal festivals

Unit – II: Social Reforms and Modern Society: (09 hrs)

Reforms by Basaveswara - Raja Rama Mohan Roy - Dayananda Saraswathi - Swamy Vivekananda - Mahatma Gandhi - B. R. Ambedkar - Reforms in Andhra by Vemana, Veerabrahmam, Gurajada, Veeresalingam and Gurram Jashua (only reforms in brief, biographies not needed)

Modern Society: Family unity, Community service, Social Harmony, Civic Sense, Gender Sensitivity, Equality, National Fervor

Unit – III: Science and Technology: ((09 hrs)

Objectivity and Scientific Temper - Education on Scientific lines (Bloom's Taxonomy) - Online Education

Developments in Industry, Agriculture, Medicine, Space, Alternate Energy, Communications, Media through ages

Co-curricular Activities Suggested: (03 hrs)

1. Assignments, Group discussions, Quiz etc
2. Invited Lecture by a local expert
3. Visit to a scientific institutions, local heritage sites, museums, industries etc

Approved by
G. D. Jyothsna &
Dr G. D. Jyothsna Devi

Reference Books:

1. History of India and Culture (Upto 1526 A.D), Telugu Academy
2. History of India and Culture (1526 A.D to 1964), Telugu Academy
3. Basham, A.L (ed), A Cultural History of India
4. Hana S. Noor Al-Deen&J.A.Hendricks, Social Media : Usage and Impact
5. Bipan Chandra, Aditya Mukherjee, Mridula Mukherjee, India After Independence
6. S.K.Thakur, ISRO: History and Acheivements
7. V. Ramakrishna, Social Reform Movement Andhra, Vikas Publications

SRI VENKATESWARA UNIVERSITY

B.A. / B.Com. / B.Sc. DEGREE COURSES

LIFE SKILL COURSE

FIRST YEAR – SECOND SEMESTER

UNDER CBCS W.E.F. 2020-21

INDIAN CULTURE & SCIENCE

Time: 1½ Hour

MODEL QUESTION PAPER

Max.Marks: 50

SECTION-A

I. Answer any **FOUR** Questions:

4x5=20

1. Hinduism
2. Cultural Diversity
3. The Concept of Seetha, Karuna,
4. Importance of Seasonal Festivals
5. Gender Sensitivity
6. Bloom's Taxonomy
7. Civic Sense
8. Dr.B.R.Ambedkar and Dayananda Saraswathi

II. Answer any **THREE** Questions

3X10=30

1. How online Education, Bridge Learning gaps during the present days and justify it?
2. What are the challenges of Scientific Temper among the students?
3. Explain Unity in Diversity in India?
4. Narrate the Bhakti and Sufi Movements?
5. What are the social reforms done by the Telugu Poets?
6. Explain the importance of Community Service and Social Harmony?

Approved by
G. D. Jyothi A.
(Dr G. D. Jyotheeswari Devi)

SRI VENKATESWARA UNIVERSITY B.A.

/ B.Com. / B.Sc. DEGREE COURSES

LIFE SKILL COURSE

FIRST YEAR – SECOND SEMESTER

UNDER CBCS W.E.F. 2020-21

INFORMATION & COMMUNICATION TECHNOLOGY

Semester	Course Code	Course Title	Hours	Credits
II	Life skill Course	INFORMATION & COMMUNICATION TECHNOLOGY	30	2

Objectives:

This course aims at acquainting the students with basic ICT tools which help them in their day to day and life as well as in office and research.

Course outcomes: After completion of the course, student will be able to;

1. Understand the literature of social networks and their properties.
2. Explain which network is suitable for whom.
3. Develop skills to use various social networking sites like twitter, flickr, etc.
4. Learn few GOI digital initiatives in higher education.
5. Apply skills to use online forums, docs, spreadsheets, etc for communication, collaboration and research.
6. Get acquainted with internet threats and security mechanisms.

SYLLABUS:

UNIT-I: (08 hrs)

Fundamentals of Internet: What is Internet?, Internet applications, Internet Addressing – Entering a Web Site Address, URL–Components of URL, Searching the Internet, Browser –Types of Browsers, Introduction to Social Networking: Twitter, Tumblr, LinkedIn, Facebook, flickr, Skype, yahoo, YouTube, WhatsApp .

UNIT-II: (08 hrs)

E-mail: Definition of E-mail -Advantages and Disadvantages –User Ids, Passwords, Email Addresses, Domain Names, Mailers, Message Components, Message Composition, Mail Management.

G-Suite: Google drive, Google documents, Google spread sheets, Google Slides and Google forms.

UNIT-III:(10 hrs)

Overview of Internet security, E-mail threats and secure E-mail, Viruses and antivirus software, Firewalls, Cryptography, Digital signatures, Copyright issues.

What are GOI digital initiatives in higher education? (SWAYAM, SwayamPrabha, National Academic Depository, National Digital Library of India, E-Sodh-Sindhu, Virtual labs, e-acharya, e-Yantra and NPTEL).

RECOMMENDED CO-CURRICULAR ACTIVITIES: (04 hrs)

(Co-curricular activities shall not promote copying from textbook or from others work and shall encourage self/independent and group learning)

1. Assignments(in writing and doing forms on the aspects of syllabus content and outside the syllabus content. Shall be individual and challenging)
2. Student seminars (on topics of the syllabus and related aspects (individual activity))
3. Quiz and Group Discussion
4. Slip Test
5. Try to solve MCQ's available Online.
6. Suggested student hands on activities :
 - a. Create your accounts for the above social networking sites and explore them, establish a video conference using Skype.
 - b. Create an Email account for yourself- Send an email with two attachments to another friend. Group the email addresses use address folder.
 - c. Register for one online course through any of the online learning platforms like NPTEL, SWAYAM, Alison, Codecademy, Coursera. Create a registration form for your college campus placement through Google forms.

Reference Books :

1. In-line/On-line : Fundamentals of the Internet and the World Wide Web, 2/e – by Raymond Greenlaw and Ellen Hepp, Publishers : TMH
2. Internet technology and Web design, ISRD group, TMH.
3. Information Technology – The breaking wave, Dennis P.Curtin, Kim Foley, Kunai Sen and Cathleen Morin, TMH.

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INFORMATION & COMMUNICATION TECHNOLOGY

MODEL QUESTION PAPER

Time: 1 ½ hours (90 Min.)

Marks: 50 marks

PART – A

Answer any Four of the following question.

(4X5=20M)

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	

PART – B

Answer any Three The Questions. Each question carries 10 marks

(3X10= 30M)

9.	
10.	
11.	
12.	
13.	
14.	