INTERNAL ASSIGNMENT 2017 - 2018

Course: B.A Maths & Statistics

Paper: III

Title: Applied Statistics –I Year: III

Section - A

UNIT – 1: Answer the following short questions (each question carries two marks) 5 * 2 = 10

- 1. Explain the Principles of design of experiment
- 2. Explain assignable variation and Chance variation
- 3. Explain Producer risk and Consumer risk
- 4. Explain Artificial variable
- 5. Explain Job Sequencing

Section - B

UNIT – II: Answer the following questions (each question carries Five marks) 2 * 5 = 10

- 1. Construct Control limits for Mean, Range and SD Chart.
- 2. Explain Assignment Algorithm.

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Name of the faculty: Govardhan G

Department: Statistics

INTERNAL ASSIGNMENT 2017 - 2018

Course:-B.A(STATISTICS)

Paper: IV Title: APPLIED STATISTICS-II Year- III.

Section -A

Unit-I:

Answer the following Short answer questions. [each question carries two marks] [5x2=20].

1. Lottery method.

SALAS

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- 2. Proportional allocation.
- 3. Define time series.
- 4. Laspeyre's and Paaschi's method.
- 5. Define demand and supply.

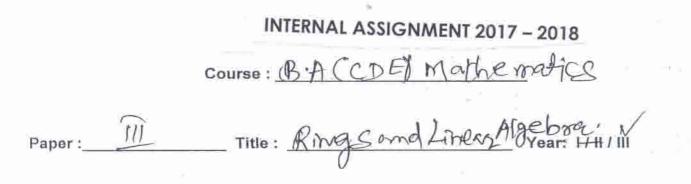
Section-B

Unit-II:

Answer the following questions.[each question carries five marks]. [2x5=10].

- In SRSWOR the sample mean square [s²] is an unbiased estimate of the population mean square [S²].
- Explain ratio to trend method to measure seasonal varieties with merits and demerits.

Name of the faculty: k. venkata ramana. Department: Statistics.



Section – A

UNIT - I : Answer the following short questions (each question carries two marks) 5x2=10

Section - B

UNIT – II : Answer the following Questions (each question carries Five marks) 2x5=10

1. Sate and poole that fundamental theorem of homomorphism 2. Solve the system norther of by Using Cramer's Rule 2x-3ytty3=8} by Using Cramer's Rule 2x-3ytty3=8} Name of the Faculty: V. Venukateshin

Dept. Of Mathematics

INTERNAL ASSIGNMENT 2017 - 2018

B.A MATHS III YEAR NUMERICAL ANALYSIS PAPER-IV (PGRRCDE)

Marks: 20

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<u>PART-A</u> Answer all questions

 $5 \ge 2 = 10$

1. Find a root of $x^2 + x - 1 = 0$ using Regula Falsi method correct to up to one decimal place.

2. Explain Lagrage's interpolating polynomial.

3. Explain Gauss-Seidel iteration method.

4. Explain Bisection method.

5. Difine Runge-Kutta fourth order method

PART-B Answer all questions

 $2 \ge 5 = 20$

Explain Newton-Raphson method and use it to find a real root of equation x³ - 3x + 1 = 0.

8. find the polynomial f(x), for the following data

X:	1	2	3	4	5	6
y:	1	8	27	64	125	216

by using Newton's forward Interpolation method.

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(1)
$$L_{2}^{2} (\operatorname{osall}_{3}^{2})$$

 $(2)^{-1} \left[\frac{1}{25 - 3} + \frac{1}{45} - \frac{5}{5 - 9} \right]$
(3) solve dx adv $x = 1 + \frac{2t}{5}$

3) solve
$$\frac{dx}{dt^2} = 3\frac{dx}{dt} + 2x = 1 - e^t x(0) = 1$$
, $x(0) = 0$.

(4) Find The seal numbers A and Bit

$$A + iB = \frac{1}{(1-2i)(2+3i)}$$

BA (Maths & Stats) III YEAR ANNUAL EXAMINATIONS MARCH/APRIL - 2018

INTERNAL ASSIGNMENT

SUB: Applied Mathematics

Paper IV : Differential Geometry

Section - A

UNIT – I : Answer the following questions (each question carries two marks) 5x2=10

- 1. Define Osculating plane
- 2. Define Evolutes
- 3. Write First fundamental Form
- 4. Define Asumptotics
- 5. Define Torsion

Section - B

UNIT – II : Answer the following Questions (each question carries five marks) 2x5=10

- 1. Write Serret Frenet Formula
- 2. State Euler's theorem and Rodrigues Formula

(Maths & Stats) III YEAR ANNUAL EXAMINATIONS MARCH/APRIL - 2018

INTERNAL ASSIGNMENT

Sub: ECONOMICS

Paper – III : INDIAN ECONOMY

Section - A

UNIT – I : Answer the following questions (each question carries two marks) 5x2=10

- 1. PCI (per capital Income)
- 2. L.P.G.

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- 3. Micro Finance
- 4. FDI (Foreign Direct Investment)
- 5. Demographic features

Section - B

- UNIT II : Answer the following Questions (each question carries five marks) 2x5=10
 - Discuss the objectives of Sustainable Development and what are the methods of measuring sustainable Development ?
 - 2. Discuss the sources and importance of Institutional agricultural credit

. (Maths & Stats) III YEAR ANNUAL EXAMINATIONS MARCH/APRIL - 2018

INTERNAL ASSIGNMENT

Sub: ECONOMICS

Paper – IV : PUBLIC FINANCE & I.T.

Section - A

UNIT - I : Answer the following questions (each question carries two marks) 5x2=10

- 1. Public Finance
- 2. Public Revenue
- 3. Terms of Trade
- 4. Public goods
- 5. Balance of payments

Section - B

UNIT - II : Answer the following Questions (each question carries five marks) 2x5=10

- 1. Discuss critically the theory of comparative cost ?
- 2. Explain the concept of the balance of payment ?