uniformly.

SEMESTER-II		CODE: MPY –C214	PAPER TITLE: STATISTICS IN PSYCHOLOGY	
Credit	**Time**	**Internal Assessment**	**End Semester Examination**	**Total Marks**
05	03 Hours	20+10=30 Marks	70 Marks	30+70=100 Marks

LEARNING OUTCOMES:
1. Choose appropriate parametric and non-parametric statistical techniques for data analysis
2. Demonstrate skills of calculating various parametric and non-parametric statistics
3. Learn normal probability curve and its relevance in statistical reasoning

UNIT-I	Introduction	- Nature of Data, - Nature of Measurement, - Levels of Measurement, - Measures of Central Tendency - Mean, Median and Mode
UNIT-II	Measures of variability	- NPC- Characteristics, - Applications of Normal Probability Curve, - Average Deviation, - Quartile, - Standard Deviation
UNIT-III	Parametric Statistics	- Significance of difference between means- CR and 't' test (Correlated & Uncorrelated). - Analysis of variance-one way and two way. - Post-hoc comparison test-Duncon & Scheffe.
UNIT-IV	Non-Parametric Statistics	- Chi-Square Test, - Sign Test, - Median Test, - Mann-Whitney U Test, - Difference between parametric and non-parametric statistics.
UNIT-V	Correlation Methods	- Concept and Significance, - Product Moment Correlation (Ungrouped Data), - Rank Difference Correlation, - Standard Error of Estimate,

Books Recommended:
1. एच के कपिल (2021) **सांख्यिकी के मूल तत्त्व (सामाजिक विज्ञानो में)** श्री विनोद पुस्तक मंदिर
2. मुहम्मद सुलेमान (2016) मनोविज्ञान, शिक्षा एवं अन्य सामाजिक विज्ञानों में सांख्यिकी मोतीलाल बनारसीदास ISBN-13: 978-8120827677
3. Biswal Bhabagrahi and Pramod Chandra Dash (2006) **Statistics in Education and Psychology** Dominant Publishers & Distributors ISBN-13: 978 -8178884097
4. Henry E.Garrett (2005) Statistics In Psychology & Education Paragon International Publishers ISBN-13: 978-8189253004
5. Bruce M. King and Edward W. Minium (2011)Statistical Reasoning in the Behavioral Sciences. Wiley. ISBN-13 : 978-8126531141
6. S. Siegal (1988). **Non-Parametric Statistics for Behavioural Sciences.** McGraw Hill. ISBN-13: 978-0070573574
7. S.A. Haslam and C. McGarty (2003). **Research Methods and Statistics in Psychology.** Sage Publication. ISBN-13: 978-0761942931
8. D. Howitt and D. Cramer (2011). **An Introduction to Statistics in Psychology.** Pearson Education. ISBN-13: 978-0273734307
9. J.P. Guilford and Benjamin Fruchter (1978). **Fundamental Statistics in Psychology and Education.** McGraw Hill. ISBN-13: 978-0070251502

Pattern of Theory Question Paper: The theory paper will consist of two sections. Section-A will be of 30 marks in which 10 short answer type questions will be asked and the student will have choice to answer any five questions, each question will carry 06 marks. The Section-B shall be of 40 marks and will contain 08 questions of long answer type and the student will have a choice to answer any four questions. Each question will carry

BoS 21/5/2022