Get Latest Pharma Private/ Govt. Job updates | Download B. Pharma/ D. Pharma University Exam Papers | Previous Pharmacist/ DI/ GPAT/ NIPER Papers | Pharma News Updates | D. Pharma Notes | Pharmacy College Informations | Pharma Industry Updates

Printed Pages: 01 Visit: https://pharmacyindia.co.in Sub Code:BP-801T

Paper Id: 231442 Roll No.

https://pharmacyindia.co.in/

B PHARM

(SEM VIII) THEORY EXAMINATION 2022-23 BIOSTATISTICS AND RESEARCH METHODOLOGY

Time: 3 Hours Total Marks: 75

Note: Attempt all Sections.

https://pharmacyindia.co.in/

SECTION A

1. Attempt all questions in brief.

 $10 \times 2 = 20$

a. Null hypothesis.

https://pharmacyindia.co.in/

- b. Define Karl Pearson's coefficient of correlation.
- c. Confidence interval.
- d. Write the applications of nonparametric tests.
- e. Define degrees of freedom.
- f. Define one-tailed and two-tailed tests. https://pharmacyindia.co.in/
- g. What is Plagiarism?
- h. Define the Power of a study.
- i. Standard error of the mean and its significance?
- j. Report writing in the research study.

https://pharmacyindia.co.in/

SECTION B

2. Attempt any two parts of the following:

 $2 \times 10 = 20$

- a. Definehypothesis? What are the different types of hypothesis? Explain how you will formulate a hypothesis with a suitable example.
 https://pharmacyindia.co.in/
- b. Explain the types and advantages of factorial design in formulation development.
- c. Describe the different measures of central tendency. Calculate the mean and standard deviation for the given data on the mid-arm circumference(cm) of 16 children –14, 12, 13, 10, 11, 13, 14, 12, 11, 10, 13, 12, 11, 10, 14

https://pharmacyindia.co.in/

SECTION C

3. Attempt any *five* parts of the following:

 $7 \times 5 = 35$

- a. Classify different types of data; explain any three measures of dispersion with examples.
- b. Discuss the hypothesis testing of parametric data.
- c. Explain types of correlation and correlation coefficient. Give suitable examples.
- d. Explain ANOVA and write its applications. https://pharmacyindia.co.in/
- e. Define Plagiarism in Research? How to remove Plagiarism in a Research Paper?
- f. What are non-parametric tests? Explain the chi-square test-Goodness of fit test.
- g. Discuss the applications of EXCEL and SPSS programs in statistical analysis.