JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2024

PhD-I Semester (PMS)

COURSE CODE (CREDITS): 1ØP1NGE201 (3) 18P1WGF101   MAX. MARKS: 25

COURSE NAME: Research Methodologies

COURSE INSTRUCTORS: Dr. Ragini Raj Singh   MAX. TIME: 2 Hours

Note: *(a) All questions are compulsory.*

(b) The candidate is allowed to make Suitable numeric assumptions wherever required

for solving problems

Q.No	Question	Marks
Q1	(a) Discuss all the important characteristics of scientific method. (b) What are merits and demerits of induction and deduction?	3 + 2 = 5
Q2	(a) What are the parameters which define the success of editing of data? (b) What are the objectives of classification of data? According to you what must be the essentials of quality classification.	3 + 2 = 5
Q3	(a) Research report must contain some necessary aspects. Discuss all of them with their importance. (b) How to draft a research report?	3 + 2 = 5
Q4	(a) There is a specific flow in terms of generalized measurement system, what it is and discuss its components also. (b) Direct and indirect methods are being used in measurements, explain both with suitable examples.	3 + 2 = 5
Q5	(a) Explain in detail static and dynamic characteristics of a measuring instrument. (b) What is calibration of measuring instruments? Discuss two methods of calibration.	3 + 2 = 5