

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2023

Ph.D.-I Semester (All branches)

COURSE CODE (CREDITS): 18P1WGE101 (3)

MAX. MARKS: 25

COURSE NAME: RESEARCH METHODOLOGIES INCL QUANTITATIVE METDS & COMP APPLS

COURSE INSTRUCTORS: Dr Amit S, Deler, Ranjith, Atul

MAX. TIME: 1 Hour

---

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

*(b) Marks are indicated against each question in square brackets.*

*(c) The candidate is allowed to make suitable assumptions wherever required for solving problems*

---

Q. 1 What is research? What is the core purpose and objective of conducting research? How does it contribute to advancing knowledge in various fields of study? (5)

Q. 2 What are essential criteria or considerations while selecting research objectives? Discuss in detail. (5)

Q. Provide an example for a qualitative research and explain why quantitative methods are unsuitable for the same. (5)

Q.4 What are the key characteristics and advantages of an exploratory research design, and how can it be effectively used to gather preliminary insights and information in a research study? (5)

Q. 5 What are the key characteristics and limitations of non-probability sampling designs, and how can researchers address potential sources of bias and increase the credibility of their research findings when using such sampling methods? (5)