

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2024

M.Sc.-II Semester (BT)

COURSE CODE (CREDITS):20MS1BT216 (3)

MAX. MARKS: 15

COURSE NAME: Research Methodology and Scientific Communications

COURSE INSTRUCTORS: Dr. Gopal Singh Bisht

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 numeric assumptions wherever required for solving problems*

Q1. Explain the purpose of formulating a research problem? Provide consideration of selecting a good research problem along with checklist for testing the feasibility of the research problems. [5]

Q2. a) It is always a good idea to keep an eye on retraction of scientific paper. Justify it. [1.5]

b) How is the impact factor of a scientific journal calculated? Comment, "Impact factor is not a true criterion for judging research paper quality". [1.5]

Q3. What are the tools used for effective literature search? Discuss, why it is necessary to document literature search? [3]

Q4. Explain/Answer the following questions.

a) Cardinal sins of research [2]

b) Subjective vs. objective thinking [1]

c) RSS feed and Mesh terms [1]