

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- MARCH-2023

COURSE CODE (CREDITS): 20MSIBT216 (2)

MAX. MARKS: 15

COURSE NAME: Research Methodology and Scientific Communications

COURSE INSTRUCTORS: Dr. Gopal Singh Bisht

MAX. TIME: 1 Hour

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*Note: All questions are compulsory. Marks are indicated against each question in square brackets.*

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Q1. Study the case and answer the following questions. [3]

Professor Lee is writing a proposal for a research grant, and the deadline for the proposal submission is two days from now. To complete the background section of the proposal, Lee copies a few isolated sentences of a journal paper written by another author. The copied sentences consist of brief, factual, one-sentence summaries of earlier articles closely related to the proposal, descriptions of basic concepts from textbooks, and definitions of standard mathematical notations. None of these ideas is due to the other author. Lee adds a one-sentence summary of the journal paper and cites it.

- 1) Does the copying of a few isolated sentences in this case constitute plagiarism?
- 2) By citing the journal paper, has Lee given proper credit to the other author?

Q2.A) Explain all the steps for conducting effective literature search. Why it is important to document literature search? [2.5]

B) It's always a good idea to keep an eye on retractions of scientific journals. Justify it. [1.5]

C) Explain how H index and I-10 index of a researcher is calculated. [1]

Q3. A) What is the importance of innovators lab note book? Who is the owner of lab note book? How it should be written. [2]

B) Impact factor is not a true criterion for judging quality of research Paper. Comment on it. [2]

C) Why scientific misconduct occurs? What are its consequences? Suggest methods to prevent academic research misconduct. [3]