


Name:			
Enrolment No:			
UPES End Semester Examination, December 2023			
Course: Scientific Writing		Semester: 3rd	
Program: M.Sc.(N&D)M.Sc.(MICRO)		Time : 03 hrs.	
Course Code: HSCC8007		Max. Marks: 100	
Instructions:			
SECTION A (20Qx1.5M=30Marks)			
S. No.		Marks	CO
Q 1	What is the primary purpose of scientific writing?	1.5	CO1
Q 2	How is a research article different from a review article?	1.5	CO3
Q 3	What are the key components of an abstract in a research paper?	1.5	CO4
Q 4	How can you maintain clarity and precision in scientific writing?	1.5	CO1
Q 5	What is the role of visuals in scientific articles?	1.5	CO5
Q 6	Why is proper referencing and citation crucial in scientific writing?	1.5	CO5
Q 7	What are the fundamental qualities of a well-structured research paper?	1.5	CO1
Q 8	How should you structure the introduction section in a research article?	1.5	CO1
Q 9	Define research ethics and its significance in scientific research.	1.5	CO2
Q 10	Describe potential ethical concerns in animal research.	1.5	CO4
Q 11	Explain the concepts of data fabrication and falsification in research misconduct.	1.5	CO1
Q 12	How can researchers address conflicts of interest in their work?	1.5	CO5
Q 13	Analyze the importance of research transparency and reproducibility.	1.5	CO2
Q 14	How can researchers protect the privacy and confidentiality of participants in their studies?	1.5	CO3
Q 15	What strategies can authors employ to avoid accidental plagiarism?	1.5	CO1
Q 16	Explain the difference between paraphrasing and plagiarism.	1.5	CO1
Q 17	What are the consequences of plagiarism in academic and professional settings?	1.5	CO1
Q 18	How should authors respond to reviewer comments and critiques?	1.5	CO1
Q 19	Describe the role of preprint servers in disseminating research findings.	1.5	CO3
Q 20	How can researchers effectively engage with the public and peers on social media platforms?	1.5	CO4
SECTION B (4Qx5M= 20 Marks)			
Q 1	What are the essential qualities of an effective title for a scientific research paper, and how does it influence the reader's understanding of the paper's topic?	5	CO1
Q 2	What are the ethical and practical implications of referencing and citing sources correctly, and what citation styles are commonly used in scientific writing?	5	CO1

Q 3	Explain the ethical responsibilities of researchers in ensuring the privacy and confidentiality of participants, and the strategies employed to protect sensitive information in research.	5	CO2
Q 4	Discuss the ethical implications of self-plagiarism, and differentiate between self-plagiarism in a single document and across multiple publications.	5	CO3
SECTION-C (2Qx15M=30 Marks)			
Q 1	Explain the concept of plagiarism and its various forms, providing real-world examples of each to illustrate the differences. How do you handle self-plagiarism, and what strategies can researchers employ to avoid it in their work?	15	CO4
Q 2	Discuss the significance of peer review in the publication process and the ethical responsibilities of authors and reviewers in this process. What are the steps involved in responding to reviewer comments and critiques, and how can authors effectively address constructive feedback?	15	CO2
SECTION-D (2Qx10M=20 Marks)			
Q 1	Explain the role of hashtags and keywords in promoting scientific content on social media. How can researchers effectively engage with the public and peers on social media platforms? Discuss the potential risks of misinformation and pseudoscience on social media.	10	CO1
Q 2	How does effective paraphrasing contribute to avoiding plagiarism, and what techniques can students and researchers employ to paraphrase sources correctly?	10	CO5