


<b>Name:</b>			
<b>Enrolment No:</b>			
<b>UPES</b> <b>End Semester Examination, December 2024</b>			
<b>Course: Scientific Writing</b> <b>Program: MSc-Micro &amp; ND</b> <b>Course Code: HSCC8007</b>		<b>Semester: III</b> <b>Duration: 3 Hours</b> <b>Max. Marks: 100</b>	
<b>S. No.</b>	<b>Section A</b>  <b>Short answer questions/ MCQ/T&amp;F</b> <b>(20Qx1.5M= 30 Marks)</b> <b>Attempt all questions</b>	<b>Marks</b>	<b>COs</b>
<b>Q 1</b>	A results section should include raw data to allow for transparency. (True/False)	<b>1.5</b>	<b>CO1</b>
<b>Q 2</b>	Authors should avoid unnecessary qualifiers in scientific writing. (True/False)	<b>1.5</b>	<b>CO1</b>
<b>Q 3</b>	Reviewers must maintain confidentiality throughout the review process. (True/False)	<b>1.5</b>	<b>CO1</b>
<b>Q 4</b>	The materials and methods section should be detailed enough for another researcher to replicate the study. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Q 5</b>	A paper's title should include specific keywords for easier retrieval. (True/False)	<b>1.5</b>	<b>CO2</b>
<b>Q 6</b>	It is ethical to modify study data to align with anticipated outcomes. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Q 7</b>	An ethical author must confirm accuracy for every part of the paper. (True/False)	<b>1.5</b>	<b>CO1</b>
<b>Q 8</b>	An introduction should start with a broad background of the research topic. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Q 9</b>	Reference lists should only include sources that support the study's conclusion. (True/False)	<b>1.5</b>	<b>CO2</b>
<b>Q 10</b>	Grammarly is a recommended tool for checking plagiarism in scientific writing. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Q 11</b>	Ghost authorship occurs when someone's name is not included in the work they contributed to. (True/False)	<b>1.5</b>	<b>CO1</b>
<b>Q 12</b>	Editors are responsible for checking submitted work for plagiarism. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Q 13</b>	Honorary authorship is ethical if granted to a person with high academic standing. (True/False)	<b>1.5</b>	<b>CO1</b>
<b>Q 14</b>	Authors should disclose any conflicts of interest related to their study. (True/False)	<b>1.5</b>	<b>CO1</b>

<b>Q 15</b>	It is unnecessary to cite widely known scientific methods. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Q 16</b>	The discussion section should include theoretical implications and future research suggestions. (True/False)	<b>1.5</b>	<b>CO2</b>
<b>Q 17</b>	Reviewing scholarly publications is generally an unpaid service. (True/False)	<b>1.5</b>	<b>CO2</b>
<b>Q 18</b>	Proofreading is not essential since spell-check will catch all errors. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Q 19</b>	Research should prioritize advancing knowledge over individual career progression. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Q 20</b>	The title of a research paper should be as vague as possible to attract a broad readership. (True/False)	<b>1.5</b>	<b>CO3</b>
<b>Section B</b> <b>(4Qx5M=20 Marks)</b> <b>Attempt any four</b>			
<b>Q 1</b>	Why is it necessary to use plagiarism detection software, and what are some common tools for this purpose?	<b>5</b>	<b>CO1</b>
<b>Q 2</b>	Describe the purpose and structure of an effective introduction section in a research paper.	<b>5</b>	<b>CO3</b>
<b>Q 3</b>	Explain segmented publication and why it is considered unethical in research publication.	<b>5</b>	<b>CO2</b>
<b>Q 4</b>	What are some common mistakes to avoid when writing the discussion and conclusion sections of a research paper?	<b>5</b>	<b>CO3</b>
<b>Q 5</b>	Discuss the importance of conflict of interest disclosures in scientific publications.	<b>5</b>	<b>CO1</b>
<b>Section C</b> <b>(2Qx15M=30 Marks)</b> <b>Attempt any two</b>			
<b>Q 1</b>	Discuss the role of reviewers in the scientific publication process. Describe the ethical responsibilities of reviewers and the potential issues that may arise if these responsibilities are not followed.	<b>15</b>	<b>CO3</b>
<b>Q 2</b>	Explain the significance of maintaining data integrity and good record-keeping in scientific research. How can a lack of these practices affect the reproducibility and credibility of scientific findings?	<b>15</b>	<b>CO1</b>
<b>Q 3</b>	Describe the components of an effective abstract and title in scientific writing. How do these components influence the accessibility and visibility of research work in academic databases?	<b>15</b>	<b>CO2</b>
<b>Section D</b> <b>(2Qx10M=20 Marks)</b> <b>Attempt any two</b>			

<b>Q 1</b>	Explain the concept of ghost authorship, guest authorship, and honorary authorship. Why are these types of authorship considered unethical, and how do they impact the scientific record?	<b>10</b>	<b>CO3</b>
<b>Q 2</b>	Discuss the role of editors and reviewers in maintaining confidentiality throughout the publication process. Why is confidentiality crucial, and what are the potential risks if it is not upheld?	<b>10</b>	<b>CO2</b>
<b>Q 3</b>	Explain the ethical implications of segmented publication. How can researchers present their findings from large studies without compromising research integrity?	<b>10</b>	<b>CO1</b>