


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
Course: Medical Writing Program: M.SC (CR) Course Code: HSCC 8005		Semester: IIIrd Time : 03 hrs. Max. Marks: 100	
Instructions:			
Q.No	Section A MCQs/Short answer questions/True &False	(20x1.5= 30 Marks)	COs
Q	Statement of question (each question carries 1.5 marks)		CO
1.	A _____ is a complete list of sources consulted about a topic, but not necessarily cited in your work.  a) Reference list b) Bibliography c) Citation d) None of the above	1.5	CO1
2.	In order to pursue the scientific or medical research, which of the following is priorly required?  a) Developing a research design b) Formulating a research question c) Deciding about the data analysis procedure d) Formulating a research hypothesis	1.5	CO1
3.	The format of thesis in medical writing is the same as in  a) Writing of Seminar representation b) Preparation of research paper/article c) A research dissertation d) Presenting a workshop/conference paper	1.5	CO1
4.	What is the difference between a research proposal and progress report?	1.5	CO2
5.	The main aim of the scientific method in the research field is to _____  a) Improve data interpretation b) Confirm triangulation c) Introduce new variables d) Eliminate spurious relations	1.5	CO1
6.	The process of peer review always ensures that a scientific paper is correct. a) True b) False	1.5	CO3

7.	The main purpose of a "References" section in a scientific paper:  a) is to acknowledge your colleagues who gave you advice. b) is to present other papers that the reader might want to consult. c) is to provide a list of scientists who have repeated your research. d) is to acknowledge research and concepts upon which your work builds	1.5	CO2
8.	The _____ is the set of instructions that are followed while conducting an experiment	1.5	CO2
9.	You want to directly copy the words of the author from one of your sources, what must you do? a) Use quotation marks around it and cite it properly b) Go ahead and include it on your paper, no one will know the difference c) Just rearrange the words and hope no one will find out d) None of the above	1.5	CO3
10.	Secondary referencing is not recommended for academic writing UNLESS  a) When the original work is out of print b) Unavailable through usual sources c) Not available in English d) All of above	1.5	CO3
11.	_____ is a free reference manager and academic social network that can help you organize your research, collaborate with others online, and discover the latest research.  a) Mendeley b) Turnitin c) Citation maker d) None of the above	1.5	CO2
12.	State True or False: "A strong research proposal needs to have statistically significant data supporting the conclusion of the entire study."  a) True b) False	1.5	CO3
13.	How to judge the depth of any research?  a) By research title b) By research duration c) By research objectives d) By total expenditure on research	1.5	CO2
14.	A research problem is feasible only when  a) It has utility and relevance b) It is new and adds something to knowledge	1.5	CO3

	c) It is researchable d) All of the above		
15.	Circle graphs are used to show a) How is one part related to other parts? b) How various sections share in the whole? c) How is one whole related to another whole? d) How are various parts related to the whole?	1.5	CO4
16.	Authenticity of a medical research finding is its  a) Validity b) Objectivity c) Originality d) All of the above	1.5	CO4
17.	It allows you to add article to your Mendeley reference library directly from any supported website.  a) Citation plugin b) Web importer c) Mendeley desktop d) Reference manager	1.5	CO3
18.	Mention three key traits of a good power-point presentation?	1.5	CO4
19.	What is the significance of a control sample in an experimental setup?	1.5	CO4
20.	What is the main aim of interdisciplinary research?  a) To over simplify the problem of research b) To bring out the holistic approach to research c) To create a new trend in research methodology d) To reduce the emphasis on a single subject in the research domain	1.5	CO4
	Section B	(4x5=20 Marks)	CO
Q	Statement of question (each question carries 5 marks)		
1.	a) What is a hypothesis? How does it help in testing the outline of research problem? b) What is the overall aim of the “peer review” of a research article submitted to a journal for publication?	3+2	CO1
2.	a) What is plagiarism? Explain with relevant examples b) Compare between “complete” and “accidental” plagiarism.	3+2	CO2
3.	a) What is a proposal? Name two funding agencies that issue financial support for research being conducted at Universities? b) What is the significance of : (i) Future prospects, and (ii) Societal relevance in a research proposal?	3+2	CO3

4.	a) What is Mendeley. b) Briefly explain the key features and applications of the software	3+2	CO4
	Section C	(2x15=30 Marks)	
Q	Statement of question (Case studies) (each question carries 15 marks)		CO
1.	<p>Medical writing is the activity of producing scientific documentation by a specialized writer. The medical writer typically is not one of the scientists or doctors who performed the research. A medical writer does not necessarily have to be a medical person by qualification however some degree of familiarity with medical terms is preferable. A medical writer does not work in isolation, rather works in a team environment. Doctors, people who conducted the research, statisticians, regulatory professionals and other subject matter experts work hand in hand with medical writers to produce documents that are of highest quality and meet all the applicable regulatory requirements.</p> <p>In the context of above statement, answer the following questions:</p> <p>a) What is the role of a medical writer in a pharmaceutical industry? Justify your answer with relevant examples.</p> <p>b) Compare between Regulatory and Educational medical writing. Explain the two with relevant examples</p> <p>c) Describe the contents of following documents: i) Medical journalism ii) Medico-marketing iii) Regulatory documents</p> <p>d) List the documents needed to write a clinical study report (CSR).</p>	15  (2+4+6+3)	CO1
2.	<p>A pharmacopeia in its modern technical sense, is a book containing directions for the identification of compound medicines and published by the authority of a government or a medical or pharmaceutical society.</p> <p>Give the key highlights of monographs in Indian pharmacopoeia on :</p> <p>a) Biotechnology products b) Vaccines for human use c) Herbs and herbal products</p>	15  (5+5+5)	CO3
	Section D	(2x10=20 Marks)	
Q	Statement of question (each question carries 10 marks)		CO
1.	a) Compare Endnote with Mendeley with respect to access, online storage, web plugin and browser extensions b) Compare Graph Pad with SPSS with respect to data analysis	5+5	CO4
2.	a) What is Turnitin? Give two alternative softwares that can be used in place of Turnitin. b) List a few academic databases helpful in pharmaceutical and medical science research. What do you understand by "Impact factor".	4+4+2	CO2

	c) Compare between "i10-index" and "h-index"		
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