Enrolment No:



Duration: 3 Hours

UPES

End Semester Examination, December 2023

Course: Research Methodology and Research Ethics Semester: V

Program: Integrated (B.Sc.) - (M.Sc.) Clinical Research

Integrated (B.Sc.) - (M.Sc.) Nutrition and Dietetics

Course Code: HSCC3017 Max. Marks: 100

Instructions:

1. This question paper consists of four sections.

2. All sections are compulsory.

3. Attempt all questions.

S. No.	Section A	Marks	COs
	Short answer questions/ MCQ/T&F (20Qx1.5M= 30 Marks)		
Q1	State any THREE essential characteristics of research.	1.5	CO1
Q2	List any THREE purposes of carrying out pure research.	1.5	CO1
Q3	Define exploratory research.	1.5	CO1
Q4	Discuss THREE purposes of carrying out descriptive research.	1.5	CO1
Q5	Define action research.	1.5	CO1
Q6	Peer review can best be summarized as A. a process for evaluating quality of journal. B. a process by which independent scientists evaluate the technical merit of scientific research papers. C. a process by which a scientist's friends can give him or her advice. D. a method of typesetting in publishing.	1.5	CO1
Q7	One of the main purposes for including a "Materials and Methods" section in a paper is A. to advertise scientific products.	1.5	CO1

	B. to demonstrate that your methods are superior to other		
	scientists' methods.		
	C. to allow other scientists to reproduce your findings.		
	D. for no reason, most journals do not require this section.		
Q8	The main purpose of a "References" section in a scientific	1.5	CO1
	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.		
Q9	Often, one of the best places to start reading an article	1.5	CO1
	is		
	A. in the "Abstract" section.		
	B. at a random spot in the middle of the article.		
	C. in the "Materials and Methods" section.		
	D. in the "References" section.		
Q10	Which of the following is not considered plagiarism?	1.5	CO2
	A. Make use of the work of another and mispresent it as		
	your own.		
	B. Drawing content from the work of another without		
	acknowledging the source.		
	C. Paraphrasing too close to the original text.		
	D. Drawing content from another work and adapting it		
	with due acknowledgement.		
Q11	List any THREE graphical methods of studying relationships	1.5	CO3
0.1.0	among variables.		G0.4
Q12	List any THREE modeling methods of studying relationships	1.5	CO3
0.15	among variables.		G0.4
Q13	Define dependent and independent variables.	1.5	CO3
Q14	State any TWO applications of regression analysis.	1.5	CO3
Q15	Identify the type of relationship between the variables (X and	1.5	CO3
	Y) from the scatter plot given below.		

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Q16	List any TH	IREE hy	pothesis tes	sting n	nethods.			1.5	CO3
Q17	Define discrete and continuous variables.							1.5	CO3
Q18	Explain in brief distribution function for continuous random variable.							1.5	CO3
Q19								1.5	CO3
Q20	Explain in b	rief Kar	l Pearson's	coeffi	cient of c	orrelation.		1.5	CO3
01	D.	TOTA (12)			=20 Mar			5	CO1
	Discuss any FIVE applications of action research.							_	('())
Q1									
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