

M.Sc. Sem.-3 Examination

501

C. E. & A. R. T.

November-2025

Time : 2-30 Hours]

[Max. Marks : 70

Q1A	Name different parts of research papers. What is keyword? Explain in detail about selection and utilization of keywords.	7 Mark
Q1B	What is the structure of "result and discussion" section of research paper? Explain how to write it in better way.	7 Mark
OR		
Q1A	List out different reference styles. Name reference management tools and explain any three.	7 Mark
Q1B	What is the importance of presentations? Explain its types and key skills.	7 Mark
OR		
Q2A	Write a note on hypothesis testing and types of errors.	7 Mark
Q2B	What is the best statistical test to see if there is a significant difference in the Mean reduction of depression scores among the three drug groups? Justify your choice and describe in detail how this test works.	7 Mark
OR		
Q2A	What is data visualisation? Why is it important? Give a note on different data visualisation methods.	7 Mark
Q2B	What is the most appropriate statistical test to determine if there is a significant relationship between education level and preferred news source? Explain why this test is suitable and outline the main steps to perform it.	7 Mark
OR		
Q3A	Explain the cross-cultural issues in infertility counseling and how cultural beliefs and values influence patient perception and treatment decisions.	7 Mark
Q3B	Explain the basics of counseling in the context of infertility management. Discuss the goals and techniques used in counseling infertile couples.	7 Mark
OR		
Q3A	Explain the role and responsibilities of a counselor while counseling infertile couples undergoing ART procedures.	7 Mark
Q3B	Describe the process of psychological evaluation of an infertile couple and explain its importance in planning counseling interventions.	7 Mark
OR		
Q4A	Describe the role of counseling in donor and recipient programs, including donor insemination, egg donation, and embryo donation, with ethical considerations.	7 Mark
Q4B	Explain the importance and techniques of sexual counseling for couples facing infertility-related sexual dysfunctions.	7 Mark
OR		
Q4A	Write short notes on genetic counseling of infertile patients and its clinical importance in ART.	7 Mark

Q4B	Discuss the impact of assisted reproductive technology (ART) on children and the counseling considerations associated with it.	7 Mark
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Q 5	Answer the following questions (Any Seven)	14 Marks
1.	Define counselling.	
2.	Mention any two common psychological reactions to infertility.	
3.	Briefly explain the difference between a population and a sample in the context of a research study.	
4.	Define evidence-based counseling.	
5.	Differentiate between an independent variable and a dependent variable.	
6.	Mention any two ethical principles applicable in infertility counseling.	
7.	Mention one psychological concern related to ART-conceived children.	
8.	Mention any two aims of sexual counseling in infertile couples.	
9.	Define Biostatistics.	
10.	What is the counselor's role in genetic risk communication?	
11.	Name any two counseling techniques used in donor programs.	
12.	Here is the citation of a research article in APA format "Motie, P. (2020, December). Expression of IDI in Dhatura plant. Biochime." What is the name of the article and name of the journal from this?	
13.	What is "errata"? What is the importance of it?	
14.	What is DOI number of a paper? Which reference style is most used in biological research?	

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