[AHS 0321]   **MARCH 2021**   Sub. Code: 2254
(AUGUST 2020 EXAM SESSION)
B.Sc. MEDICAL SOCIOLOGY
SECOND YEAR (Regulations 2014-2015)
PAPER IV – SOCIAL RESEARCH
Q.P. Code : 802254

Time: Three hours   Answer ALL Questions   Maximum: 100 Marks

I. Elaborate on: (3 x 10 = 30)

1. Define research? Explain the steps involved in research process?

2. Nutritional status of children based on their socio economic classes is given below. Check whether there is any association by using a suitable statistical test.
    (Reference table value = 5.99)

Socio economic class	Nutritional status of children		
	Malnourished	Normal	Total
High	12	38	50
Middle	10	50	60
Low	30	60	90
Total	52	148	200

3. Write in detail about types of report writing.

II. Write notes on: (8 x 5 = 40)

1. Give brief description of any two graphical methods of data presentation.
2. Vital statistics and health statistics
3. What are the different types of experimental setting?
4. Level of significance.
5. Check list for data error correction.
6. Characteristics of Frequency Distribution
7. Limitations of Statistics.
8. In a clinical trial to see the effect of improvement in hemoglobin among anemic children, the following data were obtaine Calculat e the Median and interpret your result?

HB level	4-6	6-8	8-10	10-12	12-14
No of patients	2	3	15	20	10

III. Short answers on: (10 x 3 = 30)

1. Confounding.
2. Plagiarism.
3. Types of hospital statistics.
4. Standard deviance.
5. Replicated or interpenetrating sampling.
6. Content Validity.
7. Type 1 erro
8. Unequal class intervals.
9. Properties of good estimato
10. Snow-ball sampling.

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