Class Test # 4 SEQ

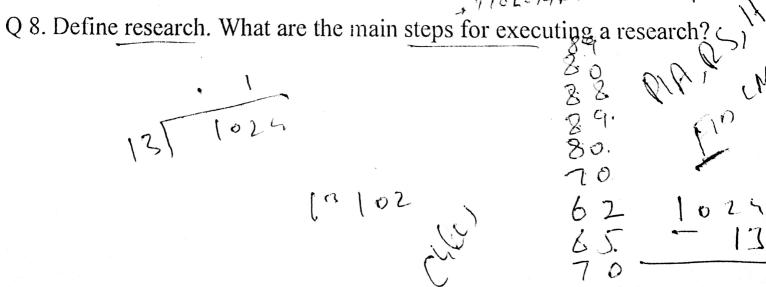### ANMC-4th Yr. MBBS. 2017

- Attempt all questions
- Each question carry 10 marks ($8 \times 10 = 80$) [time = 60 min]

Q1. What is data? Explain different types of data with examples. Also explain how they can be presented graphically

Q2. What is sampling and what are its different techniques?

Q3. Calculate the mean. Median, mode and standard deviation of the following data 80, 70, 62, 65, 70, 78, 80, 78, 85, 89, 88, 80, 89

Q4. Out of a group of 100 bankers, 20 had heart attack, as compare to 15 people from a group of 100 employees from other professions. Do you think working in banks had increased risk for heart attack?

Q5. What are different epidemiological studies, what is a descriptive study? and how it is conducted.

Q 6. What are the characters of case control studies?
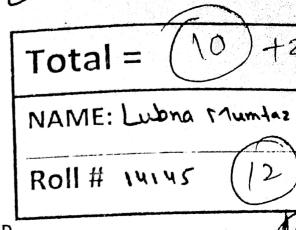
Q7. How will you conduct randomized control trial?

Q 8. Define research. What are the main steps for executing a research?

Total = (10) +2

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ANMC-2017-MBBS 4th Yr.

Department of Community Medicine

INSTRUCTIONS:
- ATTEMPT ALL QUESTIONS
- ONLY TICK (✓) ONE BEST OPTION IN MCQS
- CUTTING / OVERWRITING WILL NOT BE CONSIDERED

[MCQ] (2x10=20); Time= 15 min

1. In a community survey, data was collected regarding the age of the students in age group 12 to 24 year. Which of the following is valid graphic presentation for this data:-
   - a. Simple bar chart
   - b. Multiple bar chart
   - c. Component bar chart
   - d. Histogram
   - e. Pie chart

2. A marketing company conducted a survey of 200 housewives about a new contraceptive. The level of confidence chosen was 90%. The margin of error associated with the 90% confidence interval will be:-
   - a. 50%
   - b. 10%
   - c. 5%
   - d. 2%
   - e. 0.05%

3. Population of a village comprised of Hindus, Muslims, Sikhs, Christian and Jains. We want to take a sample from this village to study the eating habits of this population. The best method of sampling would be:
   - a. Simple random sample
   - b. Systematic random sample.
   - c. Stratified random sample
   - d. Non-random sample.
   - e. Quota sampling

4. A clinician wanted to trace the contacts of a case of AIDs. Which of the following sampling techniques does the clinician should use for taking the sample for this research:
   - a. Snowball
   - b. Convenience
   - c. Random sampling
   - d. Purposive
   - e. Quota