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MPH FIRST YEAR DEGREE EXAMINATIONS: NOVEMBER, 2024

BIOSTATISTICS DATA MANAGEMENT AND DEMOGRAPHY

Time: 3 Hours

Max Marks: 70

Note: Answer all questions

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 10 = 20

1. Outline the steps involved in hypothesis testing. How do you determine the appropriate test for a specific study?
2. What is demography? Explain various features of demographic dividend those exist in global and Indian economy by giving examples.

Write a short note on the following:

6 X 5 = 30

3. What do you understand by analysis of variance and when it is used?
4. What are the aims and objectives of the National Family Health Survey?
5. How do probability sampling and non-probability sampling differ?
6. What types of graphs can be used to display nominal or ordinal observations? Discrete or continuous observations.
7. Explain the concept of causation and how it differs from correlation.
8. What are the implications of population aging on public health policy?

Write briefly on the following:

10 X 2 = 20

9. What is conditional probability distribution?
10. Explain the net reproductive rate.
11. What is Age-sex pyramid?
12. What is a confidence interval?
13. How is doubling time calculated?
14. What is the use of Concatenate function?
15. Define stratified random sampling.
16. What is data validation?
17. Explain Merge and Append with example.
18. What are the advantages and disadvantages of qualitative vs. quantitative research methods?
