Q.P. CODE: 9590

Your answers should be specific to the questions asked.
Draw neatly labelled diagrams wherever necessary.

Answer All The Questions   **10 X 10 = 100 Marks**

1. Write about different phases of clinical trial.

2. Define biostatistics. Explain about its importance in medical research in detail.

3. Write a note on Hypothesis.

4. Write a note on Analysis of Variance (ANOVA).

5. Write a note on selection of Research problem.

6. Write a note on frequency polygon.

7. Write a note on sample bias.

8. Calculate the 't' value of following data: systolic blood pressure of 9 people before and after hypotensive medication:
   BP before medication:
   Sr no: (a) 122, (b) 121, (c) 120, (d) 115 (e) 126 (f) 130, (g) 120 (h) 125 (i) 128
   BP after medication:
   Sr no: (a) 120, (b) 118, (c) 115, (d) 110 (e) 122 (f) 130, (g) 116 (h) 124 (i) 125
   (tabulated t value = 2.31)

9. What is blinding? Describe its importance.

10. Define research design, describe cross over design.

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