

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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