

[LO 3002]

MAY 2019

Sub. Code: 3002

**M.D. (HOMOEOPATHY) DEGREE EXAMINATION**

**PART – I**

**COMMON TO ALL BRANCHES**

**PAPER - II**

**RESEARCH METHODOLOGY AND BIO-STATISTICS**

*Q.P. Code : 443002*

**Time: Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Write in detail about evolution of biomedical ethics and its principles in biomedical research.
2. Calculate the arithmetic mean, median, mode and standard deviation from the following on serum albumin values in gm/ltr of blood of 10 patients admitted in a hospital. The values are 42, 41, 39, 42, 37, 41, 39, 35, 45 and 39. The mean haemoglobin values in gm% of these patients are 12 with a standard deviation of 1.4. compare the variability of serum albumin values with that of haemoglobin values.

**II. Write notes on:**

**(10 x 6 = 60)**

1. What is CCH and its functions?
2. Explain the guidelines of ICMR.
3. Clinical trials.
4. Presentation of data.
5. Demography.
6. Central tendencies.
7. Skewness and kurtosis.
8. Types of error.
9. ANOVA.
10. Binomial distribution.

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