
Total number of printed pages-3

34 (2) RMBI 2.5

2019

**RESEARCH METHODOLOGY AND
BIostatISTICS**

Full Marks : 80

Time : Three hours

***The figures in the margin indicate
full marks for the questions.***

1. Short Answer Type Questions : $2 \times 10 = 20$
 - (a) Define Research Problem.
 - (b) What is Sampling?
 - (c) Define measurement in Research.
 - (d) What do you mean by Central tendency?
 - (e) Define Hypothesis.
 - (f) What do you mean by Independent and Dependent variables?
 - (g) Write *any two* basic principles of graphical representation of data.

Contd.

- (h) What is ANOVA?
- (i) Write *any two* objectives of Research.
- (j) Mention *any two* features for good research design.

2. Short Essay Type Questions : **(any eight)**
8×5=40

- (i) Write the different criteria for good research.
- (ii) Write the differences between questionnaire and schedules.
- (iii) Write briefly about the procedures of sampling.
- (iv) Write the characteristics of Statistics.
- (v) Write briefly about the application of Biostatistics.
- (vi) What are the procedures of hypothesis testing?
- (vii) Write briefly about computer application in research.
- (viii) Write the different techniques of developing measurement tools.

- (ix) What are the needs for measures of central tendencies?
- (x) Write briefly about probability sampling technique.

3. Essay Type Questions : **(any two)**
2×10=20

- (i) What do you mean by Research Design? Write briefly about the different types of Research Design with suitable examples.
- (ii) What do you mean by Tabulation of Data? Write briefly about frequency polygon and probability curve.
- (iii) What are the different methods of data collection? Write *any two* methods of data collection in details.
- (iv) Define Mean, Median and Mode. Write a comparative study on mean, median and mode.