

S.No. of Question paper: 9870
Unique Paper Code :2163010009
Name of the Paper :Research Methodology
Name of the Course :Botany
Semester :VII

Duration: 2 Hours

Maximum Marks: 60 marks

(Write your Roll no. on the top immediately on the receipt of this question paper)

Instructions for Candidates

1. Attempt Four questions in all , including Question 1, which is compulsory.
2. Attempt all parts of every question together.

Q.1 (a) Give appropriate term/method for the following (any five) (1X5=5)

- i) The overall framework and structure for conducting the research refers to.....
- ii) Software to check plagiarism.....
- iii) Quota sampling is asampling method Citation method that specifies numbers within the text corresponding to numbered entries in the reference list.....
- iv) Statistical analysis software.....
- v) A comprehensive overview of previously published research work on a specific topic.....
- vi) Database to search earlier published research articles in a specific area of interest.....

(b) Define (1X5=5)

- i) Biopiracy
- ii) Independent Variable
- iii) Research Design
- iv) Research Grants
- v) Geographical Indication

c) Match the following (any five): (1X5=5)

- | | |
|-------------------|----------------------------------|
| i) PubMed | a) APA |
| ii) Basmati rice | b) Reference Management Software |
| iii) Infringement | c) Patent |
| iv) DBT | d) Fellowships |
| v) Citation | e) Search engine |
| vi) Mendeley | f) Copyright |

Q2. Differentiate between the following (any three):

(5X3=15)

- i) Trademark and Copyright
- ii) Correlation and Regression
- iii) Probability Sampling and Non-probability Sampling
- iv) Research Method and Research Methodology

Q3. Write short notes on the following (any three):

(5X3=15)

- i) Bibliography
- ii) Data Collection methods
- iii) t-test
- iv) Data Acquisition

Q4. (a) Define Quantitative research and Qualitative research. Discuss the characteristics, advantages, and limitations of any one with examples. (8)

(b) What is a Review paper? Discuss the important steps involved in writing an effective review article. (7)

Q5. (a) Define Research ethics. Discuss the common ethical issues observed in technical writing. (8)

(b) Describe the various methods of data collection, both primary and secondary used in scientific and social research. (7)

Q6. What is the general structure of dissertation? Discuss about its purpose, key characteristics and significance in Academic Research. (15)