

**FINAL B.A.M.S. (2017 COURSE) : WINTER 2021**  
**SUBJECT : RESEARCH METHODOLOGY AND MEDICAL STATISTICS**

Day : Friday  
Date : 14-01-2022

Time : 2:00 P.M. TO 4:00 P.M.  
Max. Marks : 40

W-2021-16862

**N.B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Use of non-programmable **CALCULATOR** is allowed.
- 4) Answer to both the sections should be written in **SEPARATE** answer book.

**SECTION – I**

- Q.1** Describe role of Pramanas as research tool. (10)
- Q.2** Write in details principles of ethics in biomedical research. (06)
- Q.3** Write short notes on **ANY TWO** of the following : (08)
- a) Hypothesis and state example
  - b) Details of Scientific writing
  - c) Need of research in Ayurved

**SECTION – II**

- Q.4** Write down properties of normal probability curve. (06)
- Q.5** Calculate SD for blood glucose control as determined by H<sub>b</sub>A<sub>1c</sub> levels in Type II Diabetes patients after being treated with Vasant Kusumakar Rasa for 9 months (04)  
5.6, 5.8, 6.1, 6.5, 7, 5.9, 6.2, 8.1, 7.5.
- Q.6** Write short notes on **ANY TWO** of the following : (06)
- a) Pie diagram
  - b) Range
  - c) t-test

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