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03705

Fourth B.A.M.S. (2012)/(2017) Examination, Summer - 2023
(Phase - III)
RESEARCH METHODOLOGY AND MEDICAL STATISTICS

Total Duration : 2 Hours

Total Marks : 44

Instructions :
1) Use black ball point pen only.
2) Do not write anything on the **blank portion** of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
3) All questions are **compulsory**.
4) The number to the **right** indicates **full marks**.
5) Draw diagrams **wherever necessary**.
6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
7) Use a common answer book for all sections.

SECTION - "A" (24 Marks)

(Research Methodology)

1. लघुत्तरी प्रश्न (पाच पैकी कोणतेही चार) :   [4 × 4 = 16]
   Short answer question (any four out of five) :

   a) मूलभुत (प्युअर) व उपयोजित (अप्लाइड) रिसर्च वर्णन करा.
      Explain Pure and Applied Research.

   b) शास्त्रीय लेखनाची तत्वे लिहा.
      Explain the concepts of scientific writing.

   c) डेटा मायनिंग मध्ये आय.टी.चे महत्व लिहा.
      Write the importance of IT in Data Mining.

   d) "निरीक्षणात्मक संशोधन" थोडक्यात लिहा.
      Write in brief about Observational Research.

   e) आयुर्वेदिय संहितांमधून संशोधनाचे पुरावे वर्णन करा.
      Write about the Evidence of Research in Ayurvedic Classics.

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2. दीर्घोत्तरी प्रश्न :   [1 × 8 = 8]
   Long answer question

   a) अनुसंधान प्रक्रियेतील मुद्दे त्यांच्या महत्त्वासह वर्णन करा.
       Describe the Steps in Research Process with their importance.

                                    OR

   b) संशोधनामधील नितीमत्तेची (इथिक्स) संकल्पना व महत्त्व स्पष्ट करा.
       Describe the concept and importance of Ethics in Research.

SECTION - "B" (20 Marks)
(Medical Statistics)

3. लघुत्तरी प्रश्न (चार पैकी कोणतेही तीन) :   [3 × 4 = 12]
   Short answer question (**any three** out of four) :

   a) नॉर्मल डिस्ट्रीब्युशन कर्व थोडक्यात वर्णन करा.
       Write short note on Normal Distribution Curve.

   b) पॉप्युलेशन, सॅम्पल, व्हेरीएबल ची व्याख्या सोदाहरण लिहा.
       Define Population, Sample and Variable with examples.

   c) डेटा सादरीकरणाच्या ग्राफीकल पद्धती लिहा.
       Write down the graphical method of Data Presentation.

   d) वैद्यकीय सांख्यिकीची व्याख्या व महत्त्व लिहा.
       Write down the definition and importance of Medical Statistics.

4. दीर्घोत्तरी प्रश्न (दोन पैकी कोणतेही एक) :   [1 × 8 = 8]
   Long answer question (**any one** out of two) :

   a) व्हेरीअबीलीटीची व्याख्या, प्रकार वर्णन करुन 'रेंज' व 'स्टँडर्ड डेव्हिएशन' वर्णन करा.
       Define Variability and write down its types and explain Range and Standard
       Deviation.

                                    OR

   b) प्रोबॅबिलिटीची व्याख्या व सिद्धांत वर्णन करा.
       Define Probability and describe various laws of Probability.

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