Fourth B.A.M.S. (2012) (2017) Examination, Summer - 2024 Phase - II
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 answerbook 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)   हायपोथेसिस बाबत लिहा.

          Describe Hypothesis.

     b)   अनुमान प्रमाणाचे संशोधनातील महत्व लिहा.

          Importance of Anuman Praman in research.

     c)   थोडक्यात लिहा. ''पबमेड''

          Short note on "Pubmed".

     d)   संशोधन संप्रेषणाच्या पद्धती लिहा.

          Write methods of communication of Research.

     e)   बायोइन्फार्मॅटिक्स बाबत लिहा.

          Write on Bioinformatics.

2. दिर्घोत्तरी प्रश्न :   [1 × 8 = 8]

Long answer question :

a) आयुर्वेद शास्त्रातील संशोधन संबंधी इतिहासाचे सोदाहरण वर्णन करा.

Write in brief about historical research background in Ayurveda with evidences.

OR

b) संशोधनाची व्याख्या लिहून संशोधनाचे प्रकार सविस्तर वर्णन करा.

Define Research and describe types of research in details.

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) पॉप्युलेशन
   Population

b) नॉर्मल डिस्ट्रिब्युशन
   Normal Distribution

c) आधार सामग्री
   Data

d) मध्यक
   Median

4. दिर्घोत्तरी प्रश्न :   [1 × 8 = 8]

Long answer question :

a) सांख्यिकीचे अनुसंधानामध्ये महत्व स्पष्ट करा.

Explain importance of statistics in Medical Research.

OR

b) मपदंड आधारित आणि मापदंड विरहित चाचण्या स्पष्ट करा.

Explain Parametric and Non Parametric tests.

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