[Total No. of Pages : 2]   **03705**

Fourth B.A.M.S. (2012)Examination, Summer - 2021
RESEARCH METHODOLOGY AND MEDICAL STATISTICS

Total Duration : 2 Hours   Total Marks : 44

Instructions :
1) Use **blue/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.
8) Use a simple calculator.

SECTION - "A" (24 Marks)
(Research Methodology)

1. लघुत्तरी प्रश्न (पाचपैकी कोणतेही चार) :   [4 × 4 = 16]
   Short answer question (**any four** out of five) :
   a) आयुर्वेदामध्ये संशोधनाची आवश्यकता लिहा.
      Write need of Research in Ayurved.
   b) संशोधनामध्ये इथिक्स संकल्पना व त्याचे महत्व लिहा.
      Write concept and importance of ethics in Research.
   c) शास्त्रीय लिखाणा विषयी लिहा.
      Write about scientific writing.
   d) संशोधनाच्या प्रकार विषयी लिहा.
      Write about the types of Research.
   e) आयुर्वेदात आढळणाऱ्या संशोधन दाखल्यां विषयी लिहा.
      Write about evidences of Research in Ayurvedic classics.

2.   दीर्घोत्तरी प्रश्न :   [1 × 8 = 8]

Long answer question :

a)   संशोधन प्रक्रिया सविस्तर वर्णन करा.

Describe research process in detail.

OR

b)   संशोधनामध्ये प्रमाण माध्यम सविस्तर वर्णन करा.

Describe role of pramanas as research tools.

SECTION - "B" (20 Marks)

(Medical Statistics)

3.   लघुत्तरी प्रश्न (चारपैकी कोणतेही तीन) :   [3 × 4 = 12]

Short answer question (any three out of four) :

a)   वैद्यकीय सांख्यिकीचे महत्व लिहा.

Write importance of medical statistics.

b)   स्टॅन्डर्ड एरर विषयी लिहा.

Write about standard error.

c)   डेटा सादरीकरण विषयी लिहा.

Write about the presentation of Data.

d)   मेडियन सोदाहरण वर्णन करा.

Describe median with example.

4.   दीर्घोत्तरी प्रश्न :   [1 × 8 = 8]

Long answer question :

a)   'लॉज ऑफ प्रोब्याबिलिटी' सविस्तर वर्णन करा.

Describe the 'Laws of Probability' in detail.

OR

b)   नॉन पॅरामेट्रिक टेस्ट सविस्तर वर्णन करा.

Describe the non-parametric tests in detail.

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