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03705

Fourth B.A.M.S. (2012)/(2017) Examination, Winter - 2022
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.

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) संशोधनात इथिक्स ची संकल्पना व महत्व लिहा.
State concept and importance of ethics in research.
- b) आयटी मधील डाटा मायनिंगचे महत्व लिहा.
Importance of IT in data mining.
- c) इंटरव्हेशनल संशोधन वर्णन करा.
Describe Interventional Research.
- d) पबमेड व धारा विषयी माहिती लिहा.
Describe PubMed & DHARA.
- e) Qualitative व Quantitative Research व्याख्या व फरक थोडक्यात लिहा.
Write definition & difference between Qualitative & Quantitative Research.

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[1 × 8 = 8]

2. दिर्घोत्तरी प्रश्न :

Long answer question :

- a) आयुर्वेदिक प्रमाणांची नावे लिहून संशोधनामध्ये त्याचा कसा उपयोग होतो ते स्पष्ट करा.
Name & describe Pramana as a tool of research in Ayurveda.

किंवा/OR

- b) अनुसंधान प्रक्रियेमधील प्रत्येक टप्पा महत्वासह स्पष्ट करा.

Elaborate importance of each steps in Research process.

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) अर्थिमेटिक सरासरी, मेडियन व मोड लिहा.
Describe Arithmetic Mean, Median & Mode.
- b) पर्संटायल - टिप्पणी लिहा.
Write short note on Percentile.
- c) स्टॅंडर्ड डेव्हिएशन.
Standard Deviation.
- d) उदाहरणासह हायपोथेसीस ची व्याख्या लिहा.
Define Hypothesis with example.

4. दिर्घोत्तरी प्रश्न :

[1 × 8 = 8]

Long answer question :

- a) अॅब्सोल्यूट मेजर्स ऑफ वेरियाबिलिटी व रिलेटिव मेजर्स ऑफ वेरियाबिलिटीचे प्रकार वर्णन करा.
Write down types of Absolute measures of Variability & types of Relative Measure of Variability.

किंवा/OR

- b) डेटा सादरीकरणाच्या पद्धती सविस्तर लिहा.
Explain different methods of data presentation in Detail.

