2020

FOOD AND NUTRITION (Honours)

Paper Code : XIII - A & B

(Health Statistics and Computer Application)

(New Syllabus)

Full Marks : 50   Time : Two Hours

Important Instructions
for Multiple Choice Question (MCQ)

- Write Subject Name and Code, Registration number, Session and Roll number in the space provided on the Answer Script.

  Example : Such as for Paper III-A (MCQ) and III-B (Descriptive).

  Subject Code : III | A | & | B

  Subject Name :

- Candidates are required to attempt all questions (MCQ). Below each question, four alternatives are given [i.e. (A), (B), (C), (D)]. Only one of these alternatives is 'CORRECT' answer. The candidate has to write the Correct Alternative [i.e. (A)/(B)/(C)/(D)] against each Question No. in the Answer Script.

  Example — If alternative A of 1 is correct, then write :
      1. — A

- There is no negative marking for wrong answer.

মাল্টিপল চয়েস প্রশ্নের (MCQ) জন্য জরুরী নির্দেশাবলী

- উত্তরপত্রে নির্দেশিত স্থানে বিষয়ের (Subject) নাম এবং কোড, রেজিস্ট্রেশন নম্বর, সেশন এবং রোল নম্বর লিখতে হবে।

  উদাহরণ — যেমন Paper III-A (MCQ) এবং III-B (Descriptive)।

  Subject Code : | III | A | & | B |

  Subject Name : | |

- পরীক্ষার্থীদের সবগুলি প্রশ্নের (MCQ) উত্তর দিতে হবে। প্রতিটি প্রশ্নে চারটি করে সম্ভাব্য উত্তর, যথাক্রমে (A), (B), (C) এবং (D) করে দেওয়া আছে। পরীক্ষার্থীকে তার উত্তরের স্বপক্ষে (A) / (B) / (C) / (D) সঠিক বিকল্পটিকে প্রশ্ন নম্বর উল্লেখসহ উত্তরপত্রে লিখতে হবে।

  উদাহরণ — যদি 1 নম্বর প্রশ্নের সঠিক উত্তর **A** হয় তবে লিখতে হবে :

  1. — **A**

- ভুল উত্তরের জন্য কোন নেগেটিভ মার্কিং নেই।

Paper Code : XIII - A

Full Marks : 14   Time : Twenty Minutes

Choose the correct answer.

Each question carries 1 mark.

Instruction to students for Page Limitation

For all MCQs, students should answer within 1 page of an A4 paper; for each four marks (04) question : Max. 1 page of an A4 paper (including figure / diagram, if any) and for 10 marks (10) question : Max. 2½ page of an A4 paper (including figure / diagram, if any), should be used.

1. The word 'statistik' in German means —

    (A) Calculation

    (B) "Of the state"

    (C) Maths

    (D) Classification

2. The application of statistical methods in biology is called —

    (A) Statistics in biology

    (B) Statistic in vivo

    (C) Biostatistics

    (D) All of the above

3. Number of fruits in a tree is a —

    (A) Qualitative variables

    (B) Discrete variable

    (C) Absolute variables

    (D) Continuous variables

4. Variables whose values cannot be expressed numerically are called —

    (A) Quantitative variables

    (B) Qualitative variables

    (C) Absolute variables

    (D) Continuous variables

5. Quantitative variables that have only fixed or finite values are called —

(A) Discrete variable

(B) Absolute variables

(C) Continuous variables

(D) None of the above

6. Flower color is a —

(A) Quantitative variables

(B) Qualitative variables

(C) Absolute variables

(D) Continuous variables

7. If two variables, x and y, have a very strong linear relationship, then —

(A) There is evidence that x causes a change in y

(B) There is evidence that y causes a change in x

(C) There may or may not be any causal relationship between x and y

(D) None of the above

8. In a tabular presentation, the summary and presentation of data with different non-overlapping classes are defined as —

(A) Frequency distribution

(B) Chronological distribution

(C) Ordinal distribution

(D) Nominal distribution

9. Which of the following software is self-replicating and causes damage to files and system?

(A) Viruses

(B) Trojan horses

(C) Bots

(D) Worms

10. In a computer keyboard the 'Alt', 'Ctrl', 'Shift', 'Del' & 'Insert' keys are known as —

(A) Standard keys

(B) Function keys

(C) Navigation keys

(D) Special purpose keys

11. An independent t-test can be used to assess which of the following?

(A) It assesses differences between two groups of participants

(B) It assesses goodness of fit

(C) It assesses relationships between two interval data

(D) None of the above

12. Computers process data under the control of sets of instructions termed as —

(A) Computer programs

(B) Computer data

(C) Computer buses

(D) Computer instructions

13. All Operating Systems get their total memory initialized from —

(A) CPU

(B) BIOS

(C) ROM

(D) RAM

14. Which of the following is not a hardware?

(A) Network Switch

(B) CPU

(C) Firewall

(D) Router

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2020

FOOD AND NUTRITION (Honours)

Paper Code : XIII - B

(Health Statistics and Computer Application)

(New Syllabus)

Full Marks : 36   Time : One Hour Forty Minutes

The figures in the margin indicate full marks.

1. Answer any *four* of the following :   4×4=16

   (a) Mention the 'good' characteristics of sampling.   4

   (b) Write down the importance of statistic in the field of biology.   4

   (c) What do you mean by frequency distribution?   4

   (d) Compare the alternative hypothesis against the null hypothesis.   4

   (e) Write a short note on RAM.   4

   (f) Write a brief note on different components and functions of the internet.   4

   (g) Write briefly on the input device involved in computer.   4

2. Answer any *two* of the following :   10×2=20

   (a) Briefly describe the method of data collection. Write briefly on the criteria of unbiased data sampling.   7+3=10

   (b) Write short notes on :

       (i) histogram, (ii) bar diagram, (iii) pie diagram, and (iv) polygram.   2½×4=10

   (c) Calculate the probability of getting 'head' 3 times when a coin is tossed for 5 times. What are the characteristics of Poisson distribution?   5+5=10

   (d) Write briefly on computer virus. What does "updating anti-virus programs" mean? What do you mean by software piracy?   5+2+3=10

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