

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
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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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