2020

ZOOLOGY (Honours)

Paper Code : ZHT - III - A & B

[New Syllabus]

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।

Full Marks : 10   Time : Thirty Minutes

Choose the correct answer.

Answer *all* the following questions,
each question carries 1 mark.

1. Chegu is a name of —

    (A) Indigenous cow breed

    (B) Exotic cow breed

    (C) Indigenous goat breed

    (D) Exotic goat breed

2. Which is *not* a viral disease of poultry?

    (A) Egg drop syndrome

    (B) Swollen head syndrome

    (C) Newcastle disease

    (D) Necrotic enteritis

3. Nosema, a disease of silk moth is caused by —

    (A) Bacterial infection

    (B) Parasitic infection

    (C) Viral infection

    (D) Fungal infection

4. *Antheraea assamensis* is the scientific name of —

   (A) Muga silk moth

   (B) Eri silk moth

   (C) Tasar silk moth

   (D) Mulberry silk moth

5. An example of *ex-situ* conservation is —

   (A) National Park

   (B) Wild life Sanctuary

   (C) Botanical Garden

   (D) Biosphere Reserve

6. The term biodiversity refers to the —

   (A) Totality of genes of a region

   (B) Totality of species of a region

   (C) Totality of ecosystems of a region

   (D) All of the above

7. In India, the Asiatic Lion is found in —

   (A) Sunderbans

   (B) Gir National Park

   (C) Kaziranga National Park

   (D) Jaldapara National Park

8. The first national park to be established in India is —

   (A) Gir

   (B) Sunderbans

   (C) Nilgiri

   (D) Jim Corbett

9. *Apis dorsata* is called —

   (A) Little bee

   (B) Indian bee

   (C) European bee

   (D) Rock bee

10. Which of the following is an example of homology and similarity tool?

   (A) BLAST

   (B) RasMol

   (C) EMBOSS

   (D) PROSPECT

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Full Marks : 40   Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Write your answer within one page for the questions carrying 4 marks each and within three pages for the questions carrying 12 marks each.

Unit - 1

(Applied Zoology)

1. Answer any *two* questions :   2×4=8

   (a) Write a short note on mango pest.

   (b) Write a note on fish diseases caused by bacteria.

   (c) What are mulberry and non-mulberry silk moths? Write about silk gland with diagram.   2+2=4

   (d) Write a short note on pearl culture?

2. Answer any *one* question :   12×1=10

   (a) What is induced breeding? Describe the process of induced breeding of major carps.   2+10=12

   (b) Write an essay on integrated pest management.   12

   (c) Write on the life history, damage and control measures of *Leptocorisa acuta*.   4+4+4=12

Unit - 2

(Conservation Biology and Wild life, Biostatistics and Bioinformatics)

3. Answer any *two* questions :   2×4=8

   (a) What do you mean by conservation?

   (b) Write a short note on sampling.

   (c) Write a short note on biodiversity hot spot in India.

   (d) Define variance and standard error.   2+2=4

4. Answer any *one* question :   12×1=12

   (a) Describe the mean, median and mode with their advantages and disadvantages.   4+4+4=12

   (b) Define wild life. Describe the importance of wildlife. Add a note on cause of wildlife depletion.   2+4+6=12

   (c) Write an essay on project tiger in India.   12

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