

XI M.Sc. (Wildlife Science) National Entrance Test

8th April, 2007

Time : 2 Hours

Max Marks : 100

1. This paper consists of the following four sections. Candidates should answer all the sections:

Section	Subject	Max. Marks	Time Allotted
I	General Knowledge	10	2 Hours
II	General Science	20	
III	Optional Paper (Life Science/Forestry/ Agricultural Sciences/ Veterinary Science)	30	
IV	Essays	40	

2. Sections I, II, & IV are common for all candidates. In the Optional Paper (Section III), candidates are required to answer questions on any one of the subjects opted by them. The subjects are: Life Sciences, Forestry, Agricultural Science and Veterinary Science.
3. Candidates should first answer the objective type questions (Section I, II & III) on the question paper itself and return it to the Invigilator. All questions in section I, II, & III carry equal marks. In Section IV candidates are required to attempt any 2 essays carrying equal marks. Two separate answer books will be provided for essays (Section IV).
4. For the multiple choice objective type questions (Section I, II & III), write the alphabets in capital representing the correct answer in the blank bracket provide on the right hand side. No marks will be awarded for more than one answer and overwriting. Candidates can change answer by simple cutting.
5. Write your Name and Roll Number where indicated.
6. Maintain strict silence during the examination.

XI M.Sc. (Wildlife Science) National Entrance Test

8th April, 2007

Section II: General Science

Max. Marks: 20

1. Curdling of Milk is brought about by
- A *Saccharomyces*
 - B all yeasts
 - C *Lactobacillus*
 - D *Streptococcus*
- []
2. Photosynthesis is
- A endothermic process
 - B exothermic process
 - C thermo-dynamic process
 - D catabolic process
- []
3. Which of these elements are very useful in photosynthesis:
- A Cu, Co, Fe
 - B Cu, Mo, Zn
 - C Mg, Co, Mn
 - D Mg, Fe, Co, Mn
- []
4. What percentage of energy is transferred from one tropic level to another?
- A 10%
 - B 1%
 - C 0.1%
 - D 0.01%
- []
5. Which of these does not have radial symmetry?
- A Hydra
 - B Star Fish
 - C Spider
 - D Jelly Fish (*Aurelia*)
- []
6. Which of the following logic gates is a universal gate?
- A OR
 - B NOT
 - C AND
 - D NAND
- []

General Science

7. A telescope has an objective lens of focal length of 200cm and an eye piece of focal length 2cm. If this telescope is used to see a 50m tall building at a distance of 2 km, what is the height of the image formed by the objective lens?
- A 5 cm
 - B 10 cm
 - C 1 cm
 - D 2 cm
- []
8. A radioactive material has a half life of 10 days, what fraction of the material would remain after 30 days.
- A 0.5
 - B 0.25
 - C 0.125
 - D 0.33
- []
9. If a charged particle enters perpendicularly in the uniform magnetic field then
- A Energy and momentum, both remains constant
 - B Energy remains constant but momentum changes
 - C Both energy and momentum changes
 - D Energy changes but momentum remains constant
- []
10. Which of these is NOT an inelastic collision?
- A A man jumping on a cart
 - B Bullet embedded in a block
 - C Collision of two glass balls
 - D None of these
- []
11. Which one of the following metals corrodes readily in moist air?
- A Lead
 - B Aluminum
 - C Nickel
 - D Iron
- []
12. Which of the following is ferrous alloy?
- A Invar
 - B Solder
 - C Magnalium
 - D Type-Material
- []

General Science

13. A solution of SO_2 in water reacts with H_2S precipitating sulphur. Here SO_2 acts as a/an
- A Oxidizing agent
 - B Reducing agent
 - C Acid
 - D Catalyst
- []
14. When the first ionization energies are plotted against atomic numbers, the peaks are occupied by
- A Alkali metals
 - B Halogens
 - C Noble gases
 - D Transition elements
- []
15. Gammaxine is
- A DDT
 - B Benzenhexachloride (BHC)
 - C Chloral
 - D Hexacholorobenzene
- []
- 16 The main source of aromatic compound is
- A Wood
 - B Coal tar
 - C Coal gas
 - D Petroleum
- []
- 17 Sequence of food materials consumed during starvation is
- A Carbohydrates - fats - proteins
 - B Carbohydrates – protiens – fats
 - C Protien – fat – carbohydrates
 - D Fat – protien – carbohydrates
- []
- 18 Ozone depletion is due to
- A PAN
 - B CO_2
 - C Solar Radiations
 - D CFCs
- []
19. Which of the following is not a fish?
- A Silver fish
 - B Gold fish
 - C Sucker fish
 - D Flying fish
- []

20 At equator the diameter of earth is:

- A 1,755 km
- B 3,755 km
- C 6,755 km
- D 12,755 km

[]

