

IX M.Sc. (Wildlife Science) National Entrance Test
20 April 2003

SECTION II : GENERAL SCIENCE

Max. Marks:20

1. One can measure the velocity at which different stars or nebulae are approaching or receding by using
A. Barnauli's principle
B. Theory of relativity
C. Doppler's effect
D. Theory of gravity ()
2. The chief energy currency of a living cell is
A. Adenosine Triphosphate
B. Adenosine Diphosphate
C. Oxygen
D. Nitrogen ()
3. The complete set of chromosomes of an organism with associated genes is called
A. Chromosome group
B. Genotype
C. Phenotype
D. Genome ()
4. The self regenerating cells in the marrow of the long bones that give rise, by differentiation and division, RBCs and WBCs is called
A. Stem cells
B. Adipose tissue
C. Thallus
D. Stoma ()
5. Which of the following is a steroid?
A. Cholesterol
B. Keratin
C. Cellulose
D. Myosin ()

6. A lethal bioweapon is
- Pneumonia
 - FMD
 - Amoebiasis
 - Anthrax
- ()
7. Pasteurization is a process for killing germs in milk whereby milk is heated at
- 62°C for 30 minutes
 - 62°C for 10 minutes
 - 100°C for 30 minutes
 - 200°C
- ()
8. The gas that dominates the earth's atmosphere is
- N₂
 - O₂
 - H₂
 - CO₂
- ()
9. Chemicals released, usually in minute amounts, by one animal, that are detected by, and act as a signal to other members of the same species is called
- Harmones
 - Enzymes
 - Pheromones
 - Saliva
- ()
10. Light with the shortest wavelength is
- Violet
 - Red
 - Yellow
 - Green
- ()
11. Which of the following is an oxidation reaction?
- $\text{Fe}^{+++} + e \rightarrow \text{Fe}^{++}$
 - $\text{Cu}^{++} + e \rightarrow \text{Cu}^{+}$
 - $\text{Fe}^{++} \rightarrow \text{Fe}^{+++} + e^{-}$
 - $\text{Sn}^{++++} + 2e \rightarrow \text{Sn}^{++}$
- ()

12. The spherical shape of the droplets is due to
A. Surface tension
B. Viscosity
C. Large gravitational force
D. None
()
13. Find the odd one out
A. Ringworm
B. Hookworm
C. Roundworm
D. Tapeworm
()
14. Which of the following has the highest electrical conductivity?
A. Diamond
B. Silver
C. Graphite
D. Wood
()
15. In the electric bulb, the gas used is
A. Nitrogen
B. Hydrogen
C. Oxygen
D. Inert gas
()
16. Vitamin K deficiency brings about
A. Anaemia
B. Disturbed blood coagulation
C. Reduced metabolism
D. Formation of brown pigment
()
17. In the long-sighted eye
A. Light rays converge in front of retina
B. Light rays converge in the macula lutea
C. Light rays converge behind the retina
D. The cornea is defective
()

18. Acid rain is caused by pollution of environment by
- A. Carbon dioxide and Nitrogen
 - B. Carbon monoxide and Carbon dioxide
 - C. Ozone and Carbon dioxide
 - D. Nitrous oxide and Sulphur dioxide
- []
19. "Dancing deer" of Manipur is also known as
- A. Hangul
 - B. Sangai
 - C. Chiru
 - D. Barasingha
- []
20. A woman's voice is shriller than a man's due to
- A. Higher frequency
 - B. Higher amplitude
 - C. Lower frequency
 - D. Weak vocal chords
- []
