



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 subject 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.

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Section III: Optional Subject – Veterinary Science

Max. Marks: 30

1. Needle teeth are present in:
- A Young one of Equines
 - B Young one of Swine
 - C Young one of Ovine
 - D Young one of Caprine []
2. For controlling ectoparasites in growing calves, spraying may be done with melathione solution of strength
- A 0.2%
 - B 0.3%
 - C 0.4%
 - D 0.5% []
3. For every liter of milk production, a dairy cow needs:
- A 1 litre of water
 - B 3 litre of water
 - C 5 litre of water
 - D 7 litre of water []
4. The % homozygosity in progenies produced from mating of half sib is:
- A 25%
 - B 12.5%
 - C 1.25%
 - D 50% []
5. The best age for spaying a bitch:
- A 4-6 months
 - B 1 year
 - C 1.5 years
 - D 2 years []

6. The following is an example of synthetic absorbable suture material.
- A Cotton
 - B Cargile
 - C Vicryl
 - D Chromic catgut []
7. Hypersensitivity to streptococcal protein is believed to be one of the most common causes of:
- A Glomerulonephritis
 - B Pyelonephritis
 - C Interstitial nephritis
 - D Urolithiasis []
8. William's reticular grunt test is used in:
- A TRP
 - B DH
 - C Vagus indigestion
 - D Abomasal displacement []
9. Virulence of a bacterium is:
- A Capacity of causing disease
 - B Pathogenicity
 - C Degree of pathogenicity
 - D Resistance []
10. *Boophilus microplus* is a:
- A One host tick
 - B Two host tick
 - C Three host tick
 - D None of the above []
11. The parasite causing venereal disease and abortions in bovines is:
- A *Trypanosoma equiperdum*
 - B *Babesia bigemina*
 - C *Tritrichomonas foetus*
 - D All of the above []
12. Which of the following is not found in DNA?
- A Thymine
 - B Cytosine
 - C Uracil
 - D Guanine []

13. Testosterone is secreted by
- A Sertoli cell
 - B Leydig cell
 - C Spermatozoa
 - D Seminiferous tubule
- []
14. 'Rickets' is caused due to deficiency of
- A Calcium
 - B Iodine
 - C Zinc
 - D Manganese
- []
15. Freemartin is an infertile female always accompanied with other foetus
- A Male
 - B Female
 - C Both of the above
 - D None of the above
- []
16. Air borne microorganism may cause
- A Anthrax
 - B Brucellosis
 - C Both of the above
 - D None of the above
- []
17. Kyasanur forest disease virus is spread by
- A Ixodid tick
 - B Mosquito
 - C Both of the above
 - D None of the above
- []
18. Bottle jaw condition is usually seen in parasitic infection such as
- A Fascioliasis
 - B Ancylostomiasis
 - C Both of the above
 - D None of the above
- []
19. Q-fever caused by
- A Coxiella burnetii
 - B R. quintana
 - C R. rickettsii
 - D None of the above
- []

- 20 Disease transmitted from animal to man and *vice versa* are known as
- A Contagious disease
 - B Zoonotic disease
 - C Infectious disease
 - D None of the above []
21. Polymerase Chain Reaction (PCR) was invented by
- A H.G. Khorana
 - B Karry Mullis
 - C Watson and Crick
 - D Johannsen []
- 22 Hormones required for maintenance of pregnancy is
- A Estrogen
 - B Prostaglandin
 - C Progesterone
 - D Coritsol []
23. The larval form of *Taenia solium* is
- A Cysticercoide
 - B Coenurus
 - C Cysticercus cellulose
 - D Cercocystis []
- 24 Even toed hoofed animals come under the order
- A Perissodactyla
 - B Artiodactyla
 - C Homeodactyla
 - D None of the above []
25. Which one of the following is a natural anti-oxidant?
- A Selenium
 - B Vitamin E
 - C Vitamin C
 - D All of the above []
26. Aflatoxicosis is caused by
- A Bacteria
 - B Protozoa
 - C Helminthes
 - D Fungi []

Veterinary Science

- 27 Which of the major metabolic process ensure glucose supply to brain tissue of cat?
- A Enzymtic digestion of carbohydrates and subsequent absorption of glucose
 - B Gluconeogenesis from volatile fatty acids
 - C Gluconeogenesis from amino acid
 - D Beta oxidation of long chain fatty acids []
- 28 Deficiency of thiamin is associated with
- A Milk fever
 - B Grass tetany
 - C Ketosis
 - D Poleoencephalitis []
- 29 Pollurum disease is seen in
- A Felids
 - B Canids
 - C Birds
 - D Proboscids []
- 30 Os penis is characteristic of
- A Bovids
 - B Canids
 - C Felids
 - D Suids []


