

1713

8

(b) How is diabetes mellitus different from diabetes insipidus?

(c) Inflammatory Bowel Disease (IBD)

(d) Osteoporosis

(e) Dengue

(5×3=15)

DSE

(1000)

[This question paper contains 8 printed pages.]

09.01.24(M)

Your Roll No.....

Sr. No. of Question Paper : 1713

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Unique Paper Code : 2233012003

Name of the Paper : DSE-3, Medical Zoology

Name of the Course : B.Sc. (H) Zoology, (NEP)

Semester : III (DSE-3)

Duration : 3 Hours

Maximum Marks : 90

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions in all including question No. 1, which is compulsory.

1. (a) Define the following :

(2×5=10)

(i) Epidemiology

(ii) Tetany

P.T.O.

1713

2

(iii) Metastasis

(iv) Merozoites

(v) Thrombosis

(b) Distinguish between : (2×4=8)

(i) Primary host and secondary host

(ii) Benign tumours and malignant tumours

(iii) Parasitism and symbiosis

(iv) Incidence and Prevalence

(c) State True or False. (1×4=4)

(i) Culex is the vector of Dengue virus.

1713

7

4. (a) Write a short note on carcinogens. (5)

(b) Describe staging and grading in cancer. (10)

5. (a) Describe iron deficiency Anaemia (5)

(b) What is the causative organism of tuberculosis?

Explain diagnosis and treatment of the tuberculosis disease. (10)

6. What are the different diseases which come under cardiovascular diseases (CVD)? Explain three of them. (15)

7. Write short note on **any three** of the following :

(a) Cretinism.

P.T.O.

1713

6

(B) Protein

(C) Fat

(D) Carbohydrate

2. (a) What are the differences between acromegaly and gigantism? (3)

(b) How is parasitism different from symbiosis and commensalism? (3)

(c) Enlist three nutritional deficiencies along with their treatments. (9)

3. What are the clinical manifestations of *Wuchereria bancrofti* infection? How is it transmitted, diagnosed and treated? (15)

1713

3

(ii) Cushing's syndrome is caused by low levels of hormone cortisol.

(iii) The SARS virus is a DMA virus.

(iv) *Myxovirus parotiditis* is causative agent for mumps.

(d) Fill in the blanks : (1×4=4)

(i) In TNM staging of cancer, N and M stands for _____ & _____, respectively.

(ii) Pellagra is related to thy deficiency of _____.

(iii) _____ is commonly, known as the giant Asian intestinal fluke.

P.T.O.

(iv) MMR is related to the vaccination of _____ .

(e) Choose the correct options : (1×4=4)

(i) HIV is thought to have originated from-

(A) Dogs

(B) Chimpanzees

(C) Deer

(D) Goat

(ii) Which one is caused by bacterial infection-

(A) Mumps

(B) Cholera

(C) Addison's disease

(D) Influenza

(iii) For malaria parasite man is the-

(A) Intermediate host

(B) Definitive host

(C) Accidental host

(D) Sexual host

(iv) Marasmus is caused due to deficiency of-

(A) Vitamin A