



K24U 0754

Reg. No. : .....

Name : .....

**IV Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/  
Improvement) Examination, April 2024  
(2019 to 2022 Admissions)  
COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY  
4C04 ZLG : Medical Zoology**

Time : 3 Hours

Max. Marks : 32

**Instruction :** Give illustrations and figures *wherever* necessary.

- I. Essay questions. Answer **any two**. (2×6=12)
- 1) Describe the life history and pathogenicity of *Ancylostoma duodenale*.  
Add a note on prophylaxis of the disease.
  - 2) Give an account of the causative organism, symptoms, diagnosis and prophylaxis of any three viral diseases.
  - 3) Describe how lifestyle affects our health, citing examples.
  - 4) Describe karyotype and clinical symptoms of any four syndromes.
- II. Short essay questions. Answer **any two**. (2×3=6)
- 5) Briefly describe autoimmune disorders.
  - 6) Briefly describe the symptoms and prophylaxis of amoebiasis.
  - 7) What are the characteristics of cancer cells ?
- III. Short answer questions. Answer **any six**. (6×2=12)
- 8) Enlist the causative factors for neurofibromatosis.
  - 9) Differentiate cell mediated and humoral immune response.
  - 10) What is criss cross inheritance ? Cite an example.
  - 11) What are the applications of EEG ?
  - 12) Differentiate nutritional disorders and metabolic disorders.
  - 13) What is the causative factor of mycosis ?
  - 14) Identify the factors leading to Alzheimer's disease and mention any two symptoms.
  - 15) What are the environmental factors triggering hypertension ?

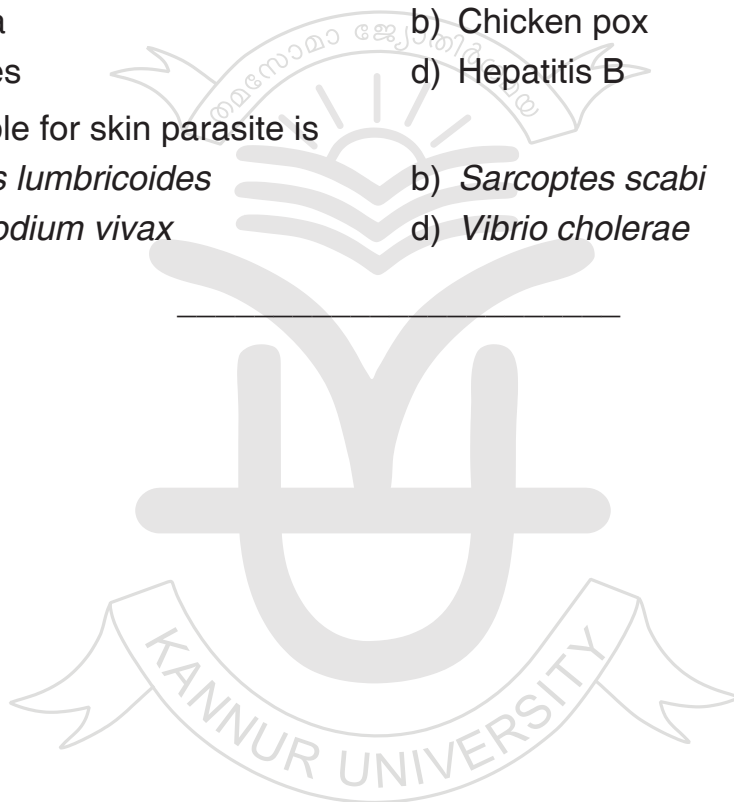
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IV. Multiple choice questions. Answer **all**.

(4×0.5=2)

- 16) Atherosclerosis is
- a) Lifestyle disease
  - b) Allergic disease
  - c) Communicable disease
  - d) STD
- 17) Trophozoite is a stage in the life cycle of
- a) *Ascaris lumbricoides*
  - b) *Plasmodium vivax*
  - c) *Entamoeba histolytica*
  - d) *Wucheraria bancrofti*
- 18) Which of the following diseases is transmitted through blood transfusion?
- a) Malaria
  - b) Chicken pox
  - c) Measles
  - d) Hepatitis B
- 19) An example for skin parasite is
- a) *Ascaris lumbricoides*
  - b) *Sarcoptes scabi*
  - c) *Plasmodium vivax*
  - d) *Vibrio cholerae*





K23U 1150

Reg. No. : .....

Name : .....

IV Semester B.Sc. Degree (CBCSS – OBE-Regular/Supplementary/  
Improvement) Examination, April 2023

(2019 Admission Onwards)

COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY

4C04 ZLG : Medical Zoology

Time : 3 Hours

Max. Marks : 32

**Instruction :** Give illustrations and figures wherever necessary.

I. Essay questions. Answer **any two**. (2×6=12)

- 1) Write an essay on the life cycle and pathogenicity of *Entamoeba histolytica*.
- 2) Give an account on the life cycle and pathogenicity of *Ancylostoma duodenale*.
- 3) Describe the structural and numerical aberrations of chromosomes.
- 4) Explain autosomal recessive disorders.

II. Short essay questions. Answer **any two**.

Write short notes on :

(2×3=6)

- 5) Write the name of the causative agent, symptoms, diagnosis and prophylaxis of AIDS.
- 6) Explain Alzheimer's disease as a multifactorial trait.
- 7) Differentiate between humoral and cell mediated immune response.

III. Short answer questions. Answer **any six**.

(6×2=12)

- 8) Zoonotic disease. Example.
- 9) Contact inhibition.
- 10) Amniocentesis.

P.T.O.

K23U 1150



- 11) Laboratory diagnosis of typhoid.
- 12) Define BMI. How can BMI be calculated ?
- 13) Rejection of graft.
- 14) Carcinogen. Examples.
- 15) EEG.

IV. Multiple choice questions. Answer **all**.

(4×0.5=2)

- 16) \_\_\_\_\_ is a fungal disease.  
(Chickenpox, Mycosis, Rabies, Typhoid)
  - 17) Normal blood pressure of man is \_\_\_\_\_  
(80/60, 120/80, 140/90, 80/120)
  - 18) Study of cancer is called \_\_\_\_\_  
(Conchology, Oncology, Chronology, Caricology)
  - 19) Which of the following is not a characteristic of cancer cells ?  
(Anchorage dependence, Metastasis, Invasiveness, Loss of contact inhibition)
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