

UNDERGRADUATE (C.B.C.S.S.) EXAMINATION, OCTOBER 2015**Fifth Semester**

Open Course—HUMAN GENETICS, NUTRITION, COMMUNITY HEALTH AND
SANITATION

(Offered by the Board of Studies—Zoology)

[2013 Admissions]

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. Define Sewage.
2. What is the cause of Docon's syndrome ?
3. Distinguish between Phenotype and Genotype.
4. What is fetoscopy ?
5. List the advantages of Membrane filtration.
6. Name two faecal bacteria.
7. What is Salmonellosis ?
8. Define criss-cross inheritance.
9. What is Euthenics ?
10. What do you mean by gene therapy ?

(10 × 1 = 10)

Part B

Answer any eight questions.

Each question carries 2 marks.

11. What is psychoneuro-immunology ?
12. What are the reasons of food spoilage ?
13. Differentiate between Coagulation and Flocculation.
14. What do you mean by primary treatment of waste ?
15. Enumerate the causes of heptospirosis.
16. Give two examples of sex linked inheritance in Man.
17. What is AIDS ? What are the symptoms ?

Turn over

18. List the principles behind Rodent control.
19. What is Drug Abuse ?
20. Name two food-borne diseases in man. Add a note on the symptoms.
21. What are the symptoms of chikungunya ?
22. What is polygenic inheritance ?

(8 × 2 = 16)

Part C

*Answer any six questions.
Each question carries 4 marks.*

23. Explain the causes of hypokinetic diseases.
24. Give an account on Vermicomposting.
25. How can we control modern life style diseases ?
26. Give an account on water soluble vitamins.
27. What is Human Genome Project ? Explain.
28. Add a note on cardiovascular diseases and the reasons.
29. Give a brief account on the causes of human infertility.
30. Briefly describe the types and causes of cancer.
31. Explain the types of Yoga and write notes on its significance.

(6 × 4 = 24)

Part D

*Answer any two questions.
Each question carries 15 marks.*

32. Explain the concept of multiple allele with special reference to blood group inheritance in man.
33. Write an essay on water borne diseases and their control measures.
34. Give an account on the emerging pathogens and the diseases caused.
35. Write an essay on the process and applications of DNA finger printing.

(2 × 15 = 30)