



K25U 0302

Reg. No. : .....

Name : .....

**Sixth Semester B.Sc. Degree (C.B.C.S.S. – OBE – Regular/Supplementary/  
Improvement) Examination, April 2025**

**(2020 to 2022 Admissions)**

**CORE COURSE IN LIFE SCIENCES (ZOOLOGY) AND COMPUTATIONAL  
BIOLOGY**

**6B14 ZCB : Health and Immunoinformatics**

Time : 3 Hours

Max. Marks : 40



**PART – A**

Write about **each** of the following in **2** or **3** sentences. **Each** question carries  
**1** mark :

**(6×1=6)**

1. Hematopoiesis.
2. EHR.
3. Informatics.
4. Biomedicine.
5. Innate immunity.
6. Immunoproteomics.

**PART – B**

Write about **any six** of the following. **Each** question carries **2** marks :

**(6×2=12)**

7. What are the properties of antigen ?
8. State the importance of HMIS.
9. Information system in medicine.

**P.T.O.**



10. List out the building blocks of healthcare informatics.
11. Epitope mapping.
12. What is IPD ?
13. MHC.
14. Principles of immunoinformatics.

PART – C

Write short essay on **any four** of the following. **Each** question carries **3** marks :

**(4×3=12)**

15. Write about B cell epitope prediction method.
16. Explain the web resources for immunoinformatics.
17. Discuss briefly on cells of immune system.
18. Give a brief account on characteristics of EHR.
19. What is unified modeling language ?
20. Write the use of information in health.

PART – D

Write essay on **any two** of the following. **Each** question carries **5** marks :

**(2×5=10)**

21. Explain the different classes of immunoglobulin.
  22. Describe the methods involved in peptide modeling.
  23. Elaborate on telemedicine.
  24. Illustrate the modeling methodologies in healthcare system.
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