

2023
B.A./B.Sc.
Fourth Semester
SKILL ENHANCEMENT COURSE – 2
ZOOLOGY
Course Code: ZOS 4.11
(Medical Diagnostics)

Total Mark: 35
Time: 2 hours

Pass Mark: 14

Answer five questions, taking one from each unit.

UNIT-I

1. Explain the steps taken in the preparation of a blood smear. What are the common characteristics observed in normal blood smear? Explain with diagrams. 2+4+1=7
2. Write notes on the following: 3½×2= 7
 - (a) Method on preparation of platelet count using haemocytometer and its significance.
 - (b) Erythrocyte sedimentation rate (E.S.R).

UNIT-II

3. Write on the physical characteristics of urine. Explain briefly on the factors affecting the composition of urine. 4+3=7
4. Define urinalysis? Name the types of examination in routine urinalysis. What are the abnormal diagnosis and contraindications of a urine test? 1+2+4=7

UNIT-III

5. What causes diabetes? State the differences between diabetes type I and type II. Explain the symptoms, diagnosis, treatment, and prevention of diabetes. 2+1+4=7

6. Write notes on the following: 3½×2= 7
(a) Glucometer with chart
(b) Primary hypertension

UNIT-IV

7. Write briefly on the types, causes, diagnosis, and treatment of TB. 7
8. Explain in detail on the types and treatments of hepatitis. 3½+3½=7

UNIT-V

9. What are the characteristics of a malignant tumour? Explain the types of malignant tumours with examples. State four approaches of treating cancer. 1+4+2=7
10. Write short notes on the following: 3½×2= 7
(a) Working principles of X-ray and its application in clinical diagnosis.
(b) MRI.
-