

Roll No. ....

Total No. of Questions : 9]  
(2033)

[Total No. of Printed Pages : 4

**UG (CBCS) IInd Year Annual Examination**

**3117**

**B.Sc. ZOOLOGY**

(Medical Diagnostics)

(SEC-I)

Paper : ZOOL 203 TH

**Time : 3 Hours]**

**[Maximum Marks : 70**

*Note :-* Attempt *five* questions in all, selecting *one* question from each Section. Question No. **1** in Section-A is compulsory.

**Section-A**

**(Compulsory Question)**

1. (A) Fill in the blanks :

(i) ..... are phagocytic cells and develop into macrophages.

(ii) Platelets are formed from ..... type of cells.

**CA-317**

( 1 )

Turn Over

- (iii) Tuberculosis disease is caused by .....
- (iv) ..... is the site for the formation of urine.
- (v) ..... is a rare form of hepatitis.
- (vi) Uterine fibroid is ..... tumour.
- (vii) ..... blood cells develop in the site other than the bone marrow.
- (viii) What does 'MRI' stands for ..... ?
- (ix) Cancer of a lymphocytes is called .....
- (x) Gestational diabetes occur during .....  
 $1 \times 10 = 10$

(B) Describe briefly :

(i) Write a note on diabetic diet.

(ii) What is metastasis ?  $2 \times 2 = 4$

### Section-B

2. (a) Describe in detail the examination of peripheral blood film for differential leucocyte count.
- (b) Discuss principle, various methods used for the determination of Erythrocyte Sedimentation Rate. 7,7
- 3 Discuss in detail about blood plasma and formed elements in the blood. 14

### Section-C

- 4 Discuss in detail abnormal constituents of urine. 14
5. Explain the types of hypertension, their symptoms, causes of risk factors and complications. 14

### Section-D

6. Define Hepatitis. Discuss different types of hepatitis, their cause, symptoms, diagnosis and control of hepatitis. 14
- 7 (a) Write notes on DOTS, FDC and risk factors of TB.
- (b) What is Glucometer ? What are different characteristics of glucometer. 7,7

### Section-E

8. (a) What are Tumours ? Discuss the various types of benign tumours.
- (b) Give an account on prevention and treatment of cancer. 7,7
9. (a) Explain MRI and its applications.
- (b) Write note on CT scan. 7,7