

### SECTION-B

**Note:** Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 Explain the Structure of nerve cell with the help of a neat labelled diagram.
- Q.12 Explain the structure and function of liver in brief.
- Q.13 Write down the functions of thyroid gland.
- Q.14 Explain the physiology of Respiration.
- Q.15 Write down the functions of Pancreas.
- Q.16 Differentiate between RNA and DNA.
- Q.17 Draw a well Labelled diagram of human heart .
- Q.18 Name and briefly describe the various parts of female reproductive system.

### SECTION-C

**Note:** Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 (I) Explain the process of digestions in Small Intestine
- (II) Write a short note on Dialysis.
- Q.20 Explain the Chromosomal theory of Inheritance and also explain how Sex determination is done in birds and bees.

No. of Printed Pages : 2

Roll No. ....

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(Level 3)

**2nd Sem. / Medical Imag. Tech.**

**Subject : Applied Biology-II**

Time : 2 Hrs.

M.M. : 50

### SECTION-A

**Note:** Very Short Answer Type Questions. All Questions are Compulsory. (10x1=10)

- Q.1 Thyroid gland is \_\_\_\_\_.
- Q.2 Name any one endocrine gland in human body.
- Q.3 The wind Pipe is also Called \_\_\_\_\_.
- Q.4 \_\_\_\_\_ is the longest cell of human body.
- Q.5 Human heart is \_\_\_\_\_ Chambered.
- Q.6 DNA is \_\_\_\_\_ stranded .
- Q.7 Cerebellum is a part of \_\_\_\_\_.
- Q.8 Items is \_\_\_\_\_ Shaped.
- Q.9 Define Chromosomes.
- Q.10 Define Nephron .

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