

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. 6x5=30

- Q.11 Draw a well labeled diagram of kidney.
- Q.12 Write a brief note on chromosomal theory of inheritance.
- Q.13 What is DNA fingerprinting?
- Q.14 Write a note on blood grouping.
- Q.15 Give the functions of pituitary gland.
- Q.16 Write a short note on Thalassemia.
- Q.17 Enumerate the functions of liver.
- Q.18 Write a short note on menstrual cycle.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. 1x10=10

- Q.19 Write in detail about cardiac vascular system.
- Q.20 Explain Respiratory system & its mechanism with neat & clean diagram.

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Roll No.

**Level 3 / 2nd. Sem. / DVOC
Medical Imaging 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 Expand CNS.
- Q.2 What are neurotransmitters?
- Q.3 Give the importance of DNA.
- Q.4 Give one function of Pancreas.
- Q.5 Name any two important endocrine glands.
- Q.6 Define transcription.
- Q.7 Name any two chromosomal disorders in humans.
- Q.8 Name the cardiac muscles of heart.
- Q.9 What is sex determination?
- Q.10 Name the tests comes under liver function test.