

### SECTION-B

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

- Q.11 Outline the physiology of digestion.
- Q.12 How autonomic nervous system does differ from peripheral nervous system?
- Q.13 Name and discuss the role of adrenal hormones.
- Q.14 Interpret the terms  
a) central dogma                      b) Artificial respiration
- Q.15 Summarize various renal function tests along with their significance.
- Q.16 Describe the terms  
a) Pleiotropy                              b) DNA fingerprinting
- Q.17 Hemophilia is a sex linked inheritance Infer the statement.
- Q.18 Discuss the different parts of male reproductive system.

### SECTION-C

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

- Q.19 Explain the structure and physiology of human heart.
- Q.20 Discuss in detail about the gene expression and regulation.

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### DVOC (Level 3) Sem II Medical Imaging Technology Subject : Applied biology II

Time : 2 Hrs.

M.M. : 50

### SECTION-A

Note: Very short answer type questions . Attempt all ten question (10x1=10)

- Q.1 Define genetics.
- Q.2 Sugar levels in blood are controlled by endocrine gland named as \_\_\_\_\_.
- Q.3 Spermatogenesis takes place \_\_\_\_\_ in male reproductive system.
- Q.4 Define vital capacity of lungs.
- Q.5 Color blindness is \_\_\_\_\_ type of inheritance.
- Q.6 Give the full form of ACTH
- Q.7 Define a genetic code.
- Q.8 \_\_\_\_\_ the term for an allele that is not expressed in a heterozygote.
- Q.9 EEG is carried out to monitor \_\_\_\_\_
- Q.10 Give the names of different part of stomach.