

- Q.29 Explain metabolic rate.
Q.30 Name the enzymes of GIT & their uses.
Q.31 Name two cell organelles and give their function.
Q.32 Describe structure of nephron.
Q.33 Draw a well labelled diagram of kidney.
Q.34 Explain role of liver in digestion.
Q.35 Explain different volume of respiration.

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1st. Sem. Branch: DMLT
Sub : Anatomy & Physiology-I

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- .Q.1 Cell membrane is _____
a) Semi permeable b) Permeable
c) Selectively permeable d) Impermeable
- Q.2 Nervous tissue is not found in
a) Brain b) Spinal cord
c) Tendons d) Nerves
- Q.3 Which of the following is not the function of skin?
a) Calcium production b) Protection
c) Excretion of wastes d) Temp. regulation
- Q.4 Which bone is the longest and strongest bone in the human body?
a) Cranium b) Femur
c) Tibia d) Radius
- Q.5 Where does most of the digestive process take place?
a) Small intestine b) Large intestine
c) Stomach d) All of the above
- Q.6 How does the food move through your digestive tract?
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SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain water soluble vitamins their source uses and deficiency disease.
- Q.37 Draw a well labelled diagram of digestive system of man and explain the role of stomach in digestion.
- Q.38 A) Explain mechanism of respiration.
B) Explain the formation of urine.

- a) By gravity
b) By wavelike muscle contraction
c) By cilia
d) By chemical absorption
- Q.7 Which of the following are parts of human respiratory system?
a) Trachea b) Diaphragm
c) Lungs d) All of these
- Q.8 The total number of alveoli present in the human lungs is estimated to be around _____.
a) 1 billion b) 800 million
c) 500 million d) 1500 million
- Q.9 All of the following belong to the urinary system except?
a) Urethra b) Ureter
c) Prostate d) Bladder
- Q.10 Which of the following vitamins cannot be produced by our body?
a) Vitamin A b) Vitamin K
c) Vitamin C d) All of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Golgi apparatus is called power house of the cell. (T/F)
- Q.12 Regulation of the body temperature is one of the main function of the _____. (2)

- Q.13 Cardiac muscle is an _____ Muscle.
Q.14 During respiration _____ is taken in and _____ is given out.
Q.15 _____ is the reservoir of urine.
Q.16 Ball and socket joint is a type of _____.
Q.17 _____ is stored in the gall bladder.
Q.18 Saliva is alkaline in nature. T/F
Q.19 Accessary organs of digestion do not help in the process of digestion. T/F
Q.20 The female urethra is short as compared to the male urethra. (T/F)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Give the functions of epithelial tissue.
Q.22 Draw the diagram of skin.
Q.23 Differentiate between exoskeleton and endoskeleton.
Q.24 Classify joints.
Q.25 Name the various tissue. Explain anyone.
Q.26 Distinguish between extracellular digestion and intracellular digestion.
Q.27 Draw a labelled diagram of respiratory system.
Q.28 Give the composition of urine. (3)