



RAN-2103000205021054

T.Y.B.Sc. (Sem. - V) Examination October - 2025

Bioscience (Microbiology) - (OLD) : BS - 504 Medical Physiology

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Figures to the right indicate full marks
- (3) Draw neat & clean diagram wherever necessary

Seat No.:

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Student's Signature

Q. 1 Multiple choice questions:

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1. Digestion of protein is necessary due to _____
 - a. Proteins are not absorbed as such
 - b. Proteins are large molecules
 - c. Proteins have complex structure
 - d. Proteins are made up of amino acids
2. An example of digestive juice is _____
 - a. Sputum
 - b. Sweat
 - c. Saliva
 - d. All
3. _____ secrete the testosterone
 - a. Sertoli cells
 - b. Cells of germinal epithelium
 - c. Interstitial cells
 - d. Secondary spermatocytes
4. Largest gland in our body is _____
 - a. Salivary gland
 - b. Thyroid gland
 - c. Liver
 - d. Pancreas
5. Structural & function unit of kidney is _____
 - a. Hepatic lobules
 - b. Renal pelvis
 - c. Renal medulla
 - d. Nephron
6. Colon is present in _____
 - a. Small intestine
 - b. Large intestine
 - c. Stomach
 - d. All
7. A tubular structure carries urine from kidney to the bladder is _____
 - a) Uterus
 - b) Urethra
 - c) Ureter
 - d) All
8. Difference between endocrine and exocrine glands is that
 - a) endocrine glands release hormones, exocrine glands release waste
 - b) endocrine glands are interconnected, exocrine glands are totally independent
 - c) endocrine glands are formed by epithelial tissue, exocrine glands are connective tissues primarily
 - d) endocrine glands are ductless, exocrine glands release secretions into ducts or at the surface of the body

- Q. 2 (A) Short answer question** **04**
1. Give any two examples of tropical hormone.
 2. Give the full form of FSH. LH
 3. Enlist the cells of gastric gland.
 4. What constitute the renal corpuscles?
- (B) Write short notes. (Any Two)** **10**
1. Mechanism of hormone action.
 2. Wall of alimentary tract.
 3. Function of Liver.
- Q. 3 Answer of the following.** **14**
1. Draw a neat and labelled diagram of histology of Small intestine.
 2. Describe in brief physiological aspects of Kidney.
- OR**
- Q. 3 Answer the following.** **14**
1. Draw neat & labelled diagram of Liver.
 2. Describe in brief exocrine & endocrine activity of pancreas.
- Q. 4** Describe in brief microscopic organization & physiological aspects of Suprarenal gland. **14**
- OR**
- Q. 4 Answer the following.** **14**
1. Write a note on - Microscopic organization of Adrenal gland.
 2. Describe in brief physiological aspects of hypophysis.
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