

Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous)

Affiliated to Saurashtra University, Rajkot

SEMESTER END EXAMINATION NOVEMBER – 2016**B.Voc. Medical Laboratory and Molecular Diagnostics Technology****MLMDT 1.1 – FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY***Duration of Exam – 3 hrs**Semester – I**Max. Marks – 70***Que. 1 Objective Type Questions 20**

1. Mention the cells and proteins present in Areolar connective tissue.
2. What is acetabulum and glenoid cavity ?
3. What is Leucopoiesis ?
4. What is an anticoagulant ? Give examples.
5. Define Cardiac Output.
6. What is function of Diaphragm.
7. Describe location of Heart.
8. Define Vital capacity.
9. What is deglutition?
10. Mention composition of bile juice.
11. What are Cortical and Juxtamedullary Nephrons ?
12. What is uricotelism ?
13. Mention names of meninges.
14. What are dorsal and ventral horns ?
15. Give full forms of : ACTH, TCT
16. What are otoliths ?
17. What do you mean by sarcomere ?
18. Which is a non fatigable muscle ?
19. What are accessory reproductive glands in male ?
20. What is morulla ?

Que. 2 A Answer in brief (Any3) 6

1. Give names and number of facial bones.
2. Write names of any four blood clotting factors.
3. Differentiate systemic and pulmonary circulation.
4. Differentiate between internal and external respiration.
5. Discuss the functions of stomach.
6. Draw the LS of Kidney.

Que. 2 B Answer in brief (Any 3) 9

1. Explain phagocytosis.
2. Discuss types of epithelial tissues in brief.
3. Note on ECG.
4. Note on different regions of Pharynx.
5. Explain pancreatic digestion of proteins.
6. Describe role of skin as excretory organ.

Que. 2 C Answer in detail (Any 2) 10

1. Write a detailed note on Composition of Blood.
2. Explain significance of cavities of body.
3. Describe Internal and External Anatomy of Heart.
4. Brief Note on Transport of Gases in respiratory system.
5. Explain the layers of GI tract

Que. 3 A Answer in brief (Any3) 6

1. What are different layers of eye ?
2. Write main properties of Sympathetic nervous system.
3. What are components of A band ?
4. What is menarche and dysmenorrhea ?
5. Explain TV, FRC and MRV
6. Explain pectoral girdle.

Que. 3 B Answer in brief (Any 3) 9

1. Write differences between polarization, depolarization and repolarization of neuron.
2. Explain pituitary hormones.
3. Explain in brief external genitalia of female.
4. Describe pre ovulation events in an ovary.
5. Explain acid base balance.
6. Write a note on inner ear.

Que. 3 C Answer in detail (Any 2) 10

1. Discuss the mechanism of urine formation.
 2. Write a note on brain anatomy.
 3. Discuss the senses of smell and taste.
 4. Describe the characteristics of skeletal muscle.
 5. Discuss male reproductive system in detail.
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