



PG – 522

**III Semester B.Sc. – M.Sc. (Integrated Course) Degree  
Examination, Dec. 2017/Jan. 2018  
(CBCS)  
BIOLOGICAL SCIENCES  
IBS 302 : Animal Anatomy and Physiology**

Time : 3 Hours

Max. Marks : 70

***Instruction : Illustrate wherever necessary.***

**PART – A**

Write short answer **any ten** of the following :

**(10×2=20)**

- a) Liver
- b) Eye
- c) Nephron
- d) Vitamins
- e) Spleen
- f) Nails
- g) Nutritional disorders
- h) Synaptic junction
- i) Feathers
- j) Integument
- k) Tissue respiration
- l) Synaptic Junction.

**PART – B**

Write short notes on **any four** of the following :

**(4×5=20)**

1. Structure and functions of Pancrease.
2. Respiratory pigments and transport of CO<sub>2</sub>.
3. Sliding filament mechanism of muscle contraction.

**P.T.O.**



4. Theories of conduction of nerve impulse.
5. Absorption and assimilation of carbohydrates.
6. Mechanisms of amoeboid and ciliary movements.
7. Digestion of lipids.
8. Structure and function of lungs.

PART – C

Answer **any two** of the following :

**(2×15=30)**

9. Integument derivatives of Mammalian skin.
  10. Types of circulation, composition and functions of blood.
  11. Mechanism of Excitation and Relaxation in muscle contraction.
  12. Different excretory patterns in Vertebrates.
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