

SSR Degree and PG College (Autonomous)

Department of Zoology

Sem-III Important Questions

Long questions.

- 1.Explain the digestion and absorption of carbohydrates, proteins, lipids.
- 2.Write biological significance of carbohydrates, proteins, lipids.
- 3.Explain Neural and chemical control of respiration.
- 4.Explain the structure of human heart with neat labelled diagram.
- 5.describe cardiac cycle. Explain systole diastole, heart beat and cardiac output.
- 6.what is homeostasis.
- 7.Explain the process of urine formation. Write in detail about ultrafiltration, reabsorption, secretion.
8. What is osmoregulation. Explain osmoregulation in fresh water, brakish water, and marine animals.
- 9.Describe ultrastructure of skeletal muscle.

Explain sliding filament theory.

- 10.Explain structure of neurons . Describe transmission of nerves impulse.
- 11.Explain sensory organs.
- 12Describe the structure and function of pituitary gland.
- 13.Explain structure and function of thyroid gland.
- 14.Explain about pavlov experiment.
- 15.Explain about biological rithms.
- 16what is social behaviour in insects.

SHORT QUESTIONS

- 1.Explain role of gastrointestinal hormones in digestion.
- 2.write about respiratory pigments.
- 3.Explain about tachycardia and bradycardia.
- 4.explain about blood clotting mechanisms.
- 5.Differentiate between ureotelic,uricotelic,and ammonotelic animals with examples.

- 6.Explain role of ADH and RAAS in osmoregulation.
- 7.Explain stenohaline and euryhaline animals.
- 8.Describe skeletal , smooth, cardiac muscle.
- 9.Explain about hormonal control of menstrual cycle.
- 10.write about adrenal and pancreas.