

**DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY**  
**SEM-II INTERNAL – II EXAMINATION**  
**PAPER-2 HUMAN ANATOMY**  
**QUESTION BANK**

---

**I. MULTIPLE CHOICE QUESTIONS**

**1. The nervous system is structurally divided into**

- A) Voluntary and involuntary
- B) Central and peripheral
- C) Somatic and autonomic
- D) Sympathetic and parasympathetic

**Answer: B**

**2. The functional unit of nervous system is**

- A) Neuroglia
- B) Neuron
- C) Synapse
- D) Axon

**Answer: B**

**3. Neuroglial cells function mainly to**

- A) Conduct impulses
- B) Protect and support neurons
- C) Produce hormones
- D) Store memories

**Answer: B**

**4. The brain and spinal cord together form the**

- A) Peripheral nervous system
- B) Autonomic nervous system
- C) Central nervous system
- D) Somatic nervous system

**Answer: C**

**5. The outer covering of brain is called**

- A) Myelin
- B) Meninges
- C) Cortex
- D) Medulla

**Answer: B**

**6. Number of cranial nerves is**

- A) 10 pairs
- B) 11 pairs
- C) 12 pairs

D) 31 pairs

**Answer: C**

**7. Spinal nerves are**

A) Sensory

B) Motor

C) Mixed

D) Autonomic

**Answer: C**

**8. The autonomic nervous system controls**

A) Voluntary muscles

B) Conscious activities

C) Involuntary activities

D) Skeletal movements

**Answer: C**

**9. Sympathetic nervous system is associated with**

A) Rest and digest

B) Fight or flight

C) Sleep

D) Digestion

**Answer: B**

**10. Parasympathetic nervous system mainly causes**

A) Increased heart rate

B) Bronchodilation

C) Pupil dilation

D) Decreased heart rate

**Answer: D**

**11. The colored part of eye is**

A) Retina

B) Sclera

C) Iris

D) Cornea

**Answer: C**

**12. The lens of eye is made up of**

A) Muscle fibers

B) Elastic connective tissue

C) Cartilage

D) Bone

**Answer: B**

**13. Rods and cones are present in**

A) Cornea

B) Iris

C) Retina

D) Lens

**Answer: C**

**14. The middle ear contains**

A) Cochlea

B) Semicircular canals

C) Ossicles

D) Auditory nerve

**Answer: C**

**15. The organ of hearing is**

A) Cochlea

B) Tympanic membrane

C) Eustachian tube

D) Vestibule

**Answer: A**

**16. Hypothalamus connects nervous system with**

A) Thyroid gland

B) Adrenal gland

C) Pituitary gland

D) Pineal gland

**Answer: C**

**17. Pituitary gland is known as**

A) Emergency gland

B) Master gland

C) Digestive gland

D) Sex gland

**Answer: B**

**18. Hormone regulating metabolism is**

A) Insulin

B) Thyroxine

C) Cortisol

D) Adrenaline

**Answer: B**

**19. Parathyroid hormone regulates**

A) Sodium balance

B) Calcium metabolism

C) Blood glucose

D) Water balance

**Answer: B**

**20. Adrenaline is secreted by**

A) Adrenal cortex

B) Adrenal medulla

C) Thyroid

D) Pituitary

**Answer: B**

**21. Gonads in males are**

A) Ovaries

B) Testes

C) Prostate

D) Seminal vesicles

**Answer: B**

**22. Gonads in females are**

A) Testes

B) Adrenals

C) Ovaries

D) Uterus

**Answer: C**

**23. Insulin is secreted by**

A) Liver

B) Thyroid

C) Pancreas

D) Pituitary

**Answer: C**

**24. Tympanic membrane is also called**

A) Oval window

B) Ear drum

C) Round window

D) Cochlea

**Answer: B**

**25. Balance of body is maintained by**

A) Cochlea

B) Ossicles

C) Semicircular canals

D) Auditory nerve

**Answer: C**

## **II. FILL IN THE BLANKS**

**1. The structural unit of nervous system is \_\_\_\_\_.**

**Answer: Neuron**

**2. CNS consists of brain and \_\_\_\_\_.**

**Answer: Spinal cord**

**3. The protective membranes of brain are called \_\_\_\_\_.**

**Answer: Meninges**

**4. Cranial nerves arise from the \_\_\_\_\_.**

**Answer:** Brain

**5. Spinal nerves arise from the \_\_\_\_\_.**

**Answer:** Spinal cord

**6. The nervous tissue consists of neurons and \_\_\_\_\_.**

**Answer:** Neuroglia

**7. Autonomic nervous system controls \_\_\_\_\_ actions.**

**Answer:** Involuntary

**8. Sympathetic nervous system prepares body for \_\_\_\_\_ response.**

**Answer:** Fight or flight

**9. Parasympathetic nervous system promotes \_\_\_\_\_ activities.**

**Answer:** Rest and digestion

**10. The longest nerve in the body is \_\_\_\_\_ nerve.**

**Answer:** Sciatic

**11. The white part of eye is called \_\_\_\_\_.**

**Answer:** Sclera

**12. Light-sensitive layer of eye is \_\_\_\_\_.**

**Answer:** Retina

**13. Bones of middle ear are called \_\_\_\_\_.**

**Answer:** Ossicles

**14. The tube connecting middle ear to pharynx is \_\_\_\_\_.**

**Answer:** Eustachian tube

**15. Semicircular canals are concerned with \_\_\_\_\_.**

**Answer:** Balance

**16. Hypothalamus regulates \_\_\_\_\_ gland.**

**Answer:** Pituitary

**17. Pituitary gland is located at the base of \_\_\_\_\_.**

**Answer:** Brain

**18. Thyroxine hormone contains \_\_\_\_\_.**

**Answer:** Iodine

**19. Parathyroid hormone maintains \_\_\_\_\_ level in blood.**

**Answer:** Calcium

**20. Adrenal glands are located above the \_\_\_\_\_.**

**Answer:** Kidneys

**21. Adrenaline is also called \_\_\_\_\_ hormone.**

**Answer:** Emergency

**22. Male sex hormone is \_\_\_\_\_.**

**Answer:** Testosterone

**23. Female sex hormone estrogen is secreted by \_\_\_\_\_.**

**Answer:** Ovaries

**24. Insulin regulates \_\_\_\_\_ level in blood.**

**Answer:** Glucose

**25. Endocrine glands are \_\_\_\_\_ ductless glands.**

**Answer:** Ductless

### **III. Descriptive Questions**

1. Describe the organization of the nervous system (structural and functional classification)
2. Write anatomy of central nervous system (brain, spinal cord)
3. Describe the anatomy of Peripheral nervous system (cranial nerves and spinal nerves)
4. Describe the anatomy of eye (external and accessory structures; internal structures)
5. Describe the anatomy of the ear (external, middle and internal ear)