

CHAPTER – 2: Structural Organisation in Animals

- 1. Which tissue type is responsible for covering body surfaces and lining cavities?**
 - a) Epithelial**
 - b) Connective**
 - c) Muscle**
 - d) Nervous**
- 2. What is the main function of connective tissue?**
 - a) Movement**
 - b) Support and binding**
 - c) Covering surfaces**
 - d) Sensory reception**
- 3. Which type of epithelial tissue is found in the skin?**
 - a) Simple cuboidal**
 - b) Stratified squamous**
 - c) Simple columnar**
 - d) Pseudostratified**
- 4. What is the primary role of muscle tissue?**
 - a) Protection**
 - b) Support**
 - c) Contraction and movement**
 - d) Sensory input**

Which type of connective tissue stores fat?

- a) Adipose tissue**
 - b) Cartilage**
 - c) Bone**
 - d) Blood**
- 6. Which type of muscle tissue is involuntary and found in the walls of internal organs?**

- a) **Skeletal muscle**
 - b) **Cardiac muscle**
 - c) **Smooth muscle**
 - d) **Striated muscle**
7. Which connective tissue acts as a shock absorber and provides flexibility?
- a) **Cartilage**
 - b) **Bone**
 - c) **Adipose tissue**
 - d) **Blood**
8. What is the function of the nervous tissue?
- a) **Protection**
 - b) **Movement**
 - c) **Transmission of impulses**
 - d) **Storage**
9. Which of the following is a type of connective tissue?
- a) **Epithelium**
 - b) **Muscle**
 - c) **Blood**
 - d) **Nerve**
10. What type of connective tissue is composed of cells surrounded by a fluid matrix?
- a) **Bone**
 - b) **Cartilage**
 - c) **Blood**
 - d) **Adipose**
11. Which type of epithelial tissue is specialized for absorption?
- a) **Simple squamous**
 - b) **Simple cuboidal**
 - c) **Simple columnar**

- d) Stratified squamous
12. What is the primary characteristic of stratified epithelial tissue?
- a) Single layer of cells
 - b) Multiple layers of cells
 - c) Columnar shape
 - d) Cuboidal shape
13. Which type of muscle tissue is found in the heart?
- a) Skeletal muscle
 - b) Smooth muscle
 - c) Cardiac muscle
 - d) Striated muscle
14. Which type of connective tissue is most abundant in the body and provides structural support?
- a) Loose connective tissue
 - b) Dense connective tissue
 - c) Cartilage
 - d) Blood
15. What type of connective tissue is found in tendons and ligaments?
- a) Loose connective tissue
 - b) Dense regular connective tissue
 - c) Adipose tissue
 - d) Cartilage
16. Which epithelial tissue type is found lining the digestive tract?
- a) Simple squamous
 - b) Simple columnar
 - c) Stratified squamous
 - d) Transitional
17. What is the primary function of ciliated epithelial cells?
- a) Absorption

- b) Protection**
- c) Movement of materials**
- d) Sensory reception**

18. Which type of connective tissue provides a framework for organs such as the spleen and lymph nodes?

- a) Adipose tissue**
- b) Reticular connective tissue**
- c) Dense connective tissue**
- d) Cartilage**

19. What is the main characteristic of cardiac muscle tissue?

- a) Voluntary control**
- b) Striated and branched**
- c) Non-striated**
- d) Spindle-shaped cells**

20. Which type of epithelial tissue is involved in secretion and absorption in glands?

- a) Simple columnar**
- b) Stratified cuboidal**
- c) Simple squamous**
- d) Transitional**

21. What type of connective tissue has a gel-like matrix and provides flexible support?

- a) Bone**
- b) Adipose tissue**
- c) Cartilage**
- d) Blood**

22. Which type of muscle tissue is striated and voluntary?

- a) Smooth muscle**
- b) Cardiac muscle**

- c) Skeletal muscle
 - d) Non-striated muscle
- 23. Which connective tissue type is responsible for binding and supporting other tissues?**
- a) Loose connective tissue
 - b) Blood
 - c) Nervous tissue
 - d) Muscle tissue
- 24. Which type of epithelial tissue is adapted for protection in areas subject to abrasion?**
- a) Simple squamous
 - b) Simple columnar
 - c) Stratified squamous
 - d) Pseudostratified columnar
- 25. What type of connective tissue forms tendons and ligaments?**
- a) Dense irregular connective tissue
 - b) Dense regular connective tissue
 - c) Cartilage
 - d) Blood
- 26. Which type of epithelial tissue is found in the urinary bladder?**
- a) Simple columnar
 - b) Transitional
 - c) Simple squamous
 - d) Stratified cuboidal
- 27. What is the primary function of smooth muscle tissue?**
- a) Voluntary movement
 - b) Contraction and movement of internal organs
 - c) Pumping blood
 - d) Providing structural support

28. Which type of connective tissue is specialized for storing nutrients and insulating the body?

- a) Bone**
- b) Adipose tissue**
- c) Cartilage**
- d) Blood**

29. Which type of epithelial tissue is characterized by cells with varying heights and nuclei at different levels?

- a) Simple cuboidal**
- b) Stratified squamous**
- c) Pseudostratified columnar**
- d) Simple columnar**

30. Which type of connective tissue is found in the dermis of the skin?

- a) Loose connective tissue**
- b) Dense irregular connective tissue**
- c) Cartilage**
- d) Adipose tissue**

31. What is the main function of epithelial tissues?

- a) Movement**
- b) Support and binding**
- c) Protection and absorption**
- d) Conduction of impulses**

32. Which type of connective tissue has a rigid matrix and supports the body structurally?

- a) Bone**
- b) Cartilage**
- c) Adipose**
- d) Blood**

33. What is the primary role of epithelial tissue in glands?

- a) **Contraction**
- b) **Absorption**
- c) **Secretion**
- d) **Sensory reception**

34. Which type of connective tissue is found in the external ear and provides flexibility?

- a) **Bone**
- b) **Adipose tissue**
- c) **Elastic cartilage**
- d) **Fibrocartilage**

35. Which type of muscle tissue is involuntary and found in the walls of blood vessels?

- a) **Skeletal muscle**
- b) **Smooth muscle**
- c) **Cardiac muscle**
- d) **Striated muscle**

36. What is the primary characteristic of pseudostratified columnar epithelial tissue?

- a) **Multiple layers**
- b) **Single layer with varying heights**
- c) **Cube-shaped cells**
- d) **Flat cells**

37. Which type of connective tissue serves as a transport medium for nutrients and wastes?

- a) **Blood**
- b) **Bone**
- c) **Cartilage**
- d) **Adipose tissue**

38. Which epithelial tissue type is specialized for rapid diffusion and

filtration?

- a) Simple squamous**
- b) Simple columnar**
- c) Stratified squamous**
- d) Transitional**

39. Which type of connective tissue forms the structural framework for the lymphatic system?

- a) Reticular connective tissue**
- b) Loose connective tissue**
- c) Dense connective tissue**
- d) Cartilage**

40. What is the main feature of skeletal muscle tissue?

- a) Non-striated**
- b) Striated and multinucleated**
- c) Involuntary**
- d) Smooth**

41. Which type of epithelial tissue is found in the respiratory tract?

- a) Simple columnar**
- b) Stratified squamous**
- c) Pseudostratified columnar**
- d) Simple cuboidal**

42. What type of connective tissue is found in the intervertebral discs and provides strength and elasticity?

- a) Hyaline cartilage**
- b) Fibrocartilage**
- c) Elastic cartilage**
- d) Bone**

43. Which type of epithelial tissue is adapted to withstand abrasion and is found in the mouth and esophagus?

- a) Simple cuboidal
- b) Stratified squamous
- c) Simple columnar
- d) Transitional

44. What is the primary function of connective tissues?

- a) Covering and lining
- b) Movement
- c) Binding and supporting
- d) Transmitting signals

45. Which type of epithelial tissue is found in the kidneys and involved in filtration?

- a) Simple columnar
- b) Simple squamous
- c) Stratified cuboidal
- d) Transitional

46. Which type of connective tissue is found in the tendons and ligaments and has great tensile strength?

- a) Dense regular connective tissue
- b) Loose connective tissue
- c) Adipose tissue
- d) Cartilage

47. What type of epithelial tissue is involved in protection and located in areas of high friction?

- a) Simple columnar
- b) Simple cuboidal
- c) Stratified squamous
- d) Pseudostratified columnar

48. Which type of connective tissue provides strength and support and is found in the tendons and ligaments?

- a) **Dense irregular connective tissue**
- b) **Dense regular connective tissue**
- c) **Loose connective tissue**
- d) **Adipose tissue**

49. Which type of epithelial tissue is adapted for stretching and is found in the urinary bladder?

- a) **Simple columnar**
- b) **Stratified squamous**
- c) **Transitional**
- d) **Simple cuboidal**

50. What type of connective tissue acts as a reservoir for calcium and phosphorus in the body?

- a) **Bone**
- b) **Cartilage**
- c) **Adipose tissue**
- d) **Blood**

Answer

1	2	3	4	5
A	B	B	C	A
6	7	8	9	10
C	A	C	C	C
11	12	13	14	15
C	B	C	B	B
16	17	18	19	20
B	C	B	B	A
21	22	23	24	25
C	C	A	C	B
26	27	28	29	30
B	B	B	C	B
31	32	33	34	35
C	A	C	C	B
36	37	38	39	40
B	A	A	A	B
41	42	43	44	45
C	B	B	C	B
46	47	48	49	50
A	C	B	C	A