Unit:- II

Chapter-6. Animal Tissue

IMPORTANT POINTS

Tissue is the group of cells having similar structure & function. Animals contain 4 basic types of tissues which are :- epithelial tissue, connective tissue, muscular tissue and nervous tissue. Epithelial tissue can be derived from any of the three germinal layers. Epithelial tissues are of different types such as : Squamous, cuboidal, columnar, ciliated, pseudo-stratified, stratified, and transitional.

Functions of epithelial tissue: Protection, secretion & absroption. There are 3 types of connective tissues which are differentiated on the basis of extracellular material. Secreted by cells themselves. (a) Connective tissue proper- (soft jelly like matrix with fibres) - are of five types: areolar, adipose, white fibrous, tendon and legament.

- (b) Skeletal tissue (Supportive connective tissue) includes cartilage and bones which form the endoskeleton of the vertebrate body. The Cartilages are classified in to four group: Hyaline, white fibrous, yellow elastic fibro cartilage and calicified cartilage.
 - (c) Blood (fluid connective tissue) is a fibre-free fluid extra cellular matrix.

It is a mobile connective tissue (Vascular/Fluid tissue). It is composed of plasma, blood cells and blood platlets. It is a opaque trubid fluid.

Blood cells are erythrocytes and Leucocytes. There are five types of leucocytes: neutrophils, eosinophils, basophils, monocytes and lymphocytes.

WBCs are colourless, nucleated found in blood (and lymph). Which are devoid of haemoglobin. They are capable of coming out of blood capillaries through the process of diapendesis. (i. e. Greek Word - diapendesis - leaping through)

(d) Mascular tissue (mostly mesodermal origin) is made up of elongated and contractive cells : called muscles cells or myocytes.

There are three types of Muscular tissue: Skeletal muscle (striated), non striated and cardiac,

- . Myoglobin Muscle haemoglobin
- . Myoblasts Muscle forming cells.
- . Myology: study of all aspects of muscles & accessory structures.
- (e) The nervous tissue it is composed of two types of cells (a) neurons: (Nerve cells) are structural & functional unit, they transmit nerve impulses, (b) neuroglia. Neuron has one or more processes extending from it. (i) Axon carries impulses away from the cell body.
 - (ii) dendrites (G.K. dendron tree) take nerve impulse to the cell body.

On the basis of number of processes, neurons are: unipolar, bipolar & multipolar.

The nerve fibres may be surrounded by two concentric sheath. The inner is known as medullary or myelin sheath.

Myelin is secreted by schwann cells in peripheral nerve fibes and oligodendrocytes in central Nervons system.

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Schwann cells form the outer sheath called neurilema (GK. neuron- nerve, lemna-skin). There is a physical gap between the nerve ending of axon and dendrites called synapse.

For the given options select the correct options (a, b, c, d) each carries one mark.

T OI (me given opnons select	the correct options (a	, b, c, u) cach carries of	ic maik.
1.	Which of the following	structure are made of sev	veral layer's of cells :-	
	(A) Ciliated epithelium		(B) Stratified epithelium	l
	(C) Cuboidal epithelium	ı	(D) Columnar epitheliur	n
2.	Which simple epithelium	tissue cells are square in v	vertical sections and Polygo	onal in horizontal section
	(A) Columnar epitheliun	n	(B) Squamous epithelium	m
	(C) Cuboidal epithelium	ı	(D) Ciliated epithelium	
3.	Which of the following s	structure is not covered b	y epithelial tissue :-	
	(A) Blood vessels		(B) Digestive gland	
	(C) Skin		(D) Cartilage	
4.	Which type of epitheliur	m is present in the inner li	ning of large bronchi:-	
	(A) Squamous epithelium	m	(B) Pseudo - stratified e	pithelium
	(C) Cuboidal epithelium	ı	(D) Columnar epitheliur	n
5.	Which of the following is	is arranged in a single lay	er:-	
	(A) Stratified epithelium	l .	(B) Pseudo-stratified ep	ithelium
	(C) Ciliated epithelium		(D) Transitional epithelia	ım
6.	Which tissue is located in uterine tube and proximal tube of kidneys respectively:-			
	(A) Columnar epithelium (C) Ciliated epithelium,	•	(B) Ciliated epithelium, (D) Cuboidal epithelium	*
7.	Which of the following is a function of cuboidal epithelium:-			
	(A) Participate in secret(C) To move mucus in a		(B) Helps to remove mu (D) Protect inner tissue	
8.	Name the structure arra	nged on basement memb	rane in compound epithel	ium :-
	(A) Malpighian Corpus	cle	(B) Malpighian tubule	
	(C) Germinative layer		(D) Malpighian body	
9.	Which tissue occurs with in the passages of the excretory organs:-			
	(A) Ciliated Stratified ep	oithelium	(B) Squamous Stratified	l epithelium
	(C) Transitional epitheliu	ım	(D) Cuboidal Stratified	epithelium
10.	When the surface cells of stratified epithelium contain insoluble protein (Keratin) the tissue is called :-			
	(A) Stratified Squamous	s Keratinised	(B) Stratified Ciliated K	eratinised
	(C) Stratified Cuboidal	Keratinised	(D) Stratified Columnar	Keratinised
11.	Name of a structure form	med of collagen protien:	-	
	(A) Yellow elastic	(B) White fibres	(C) Yellow fibre	(D) White fibrous
12.	Which cells of areolar tissue are able to move and ingest foreign particles			
	(A) Fibroblast	(B) Mast cells	(C) Histocytes	(D) All above

Question	bank	Bio	logy
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13.	Which of the following is not a component of connective tissue proper.			
	(A) Adipose tissue	(B) Tendon	(C) Cartilage	(D) Ligament
14.	Which of the following i	s not a component of Ske	letal connective tissue :-	
	(A) Compact bone	(B) White-fibro cartilage	e	
	(C) Calcified cartilage	(D) Areolar tissue		
15.	What is Synthesized by	fibroblast		
	(A) Collagen	(B) Elastin	(C)(A) and (B)	(D)(A) or(B)
16.	Which connective tissue	e proper is made up of tw	o types of fibre and cells :	-
	(A) Tendon	(B) White fibrous tissue		
	(C) Ligament	(D) Areolar tissue		
17.	Which of the following t	issue in normally found in	tendon.	
	(A) Hyaline cartiage	(B) White fibrous tissue		
	(C) Ligament	(D) Areolar tissue		
18.	It connects the bones jo	ints and holds them in pos	sition:-	
	(A) Tendon	(B) While elastic cartilag	ge	
	(C) Ligament	(D) (B) and (C) both		
19.	Give examples of elastic	bond		
	(A) Tendon	(B) Cartilage		
	(C) Ligament	(D) (B) and (C) both		
20.	Which of the following s	structure present in abund	ance in subcutaneous tiss	ie:-
	(A) Yellow elastic tissue	(B) Adipose tissue		
	(C) White fibrous tissue		(D) Tendon	
21.	It is composed of bundle	es of collagen fibers :-		
	(A) Tendon	(B) White-fibro cartilage	e	
	(C) Hyaline cartilage	(D) White fibrous tissue		
22.	Who synthesized elastin	protein		
	(A) Fibroblasts	(B) Adipose cell	(C) Phagocytic cell	(D) Mast cells
23.	Which of the following s	structure is seen in the joir	nts between skull bones :-	
	(A) Yellow elastic tissue	(B) Cellular Cartilage		
	(C) White Fibrous tissue	e (D) Tendon		
24.	Which Structure is able	to move in areolar tissue		
	(A) Adipose cell	(B) Phagocytic cell	(C) Fibroblasts	(D) Mast cell
25.	Name the connective tis	sue present in larynx		
	(A) White fibrous cartila	ige	(B) Hyaline cartilage	
	(C) Areolar tissue		(D) Yellow elastic cartila	ge
26.	Which connective tissue	is found in epiglottis:-		
	(A) Yellow elastic cartila	ige	(B) Calcified cartilage	
	(C) Areolar tissue		(D) White fibrous tissue	

		Questionbar	nk Biology			
27.	A Structure having blood vessels in hyaline cartilage is:-					
	(A) Matrix	(B) Perichondrium	(C) Lacunae	(D) Chondroblasts		
28.	In which of the follo	In which of the following yellow elastic cartilage is observed:-				
	(A) Tip of nose		(B) Ear pinna			
	(C) Epiglottis		(D) all above			
29.	Which of the follow	ing characteristics observed	d in yellow elastic cartilage	: :		
	(A) It has elastin					
	(B) Its matrix is homogeneous and translucent					
	(C) A few flat and e	elongated fibroblast cells lay	between the fibre bundle	s.		
	(D) Cell are ovoid	in shape and are surrounded	d by matrix.			
30.	Matrix of bone is co	omposed of protein called				
	(A) Myosin	(B) Ossein	(C) Elastin	(D) Actin		
31.	In the centre of bone there is a narrow cavity it contains a tissue which:-					
	(A) is composed of adipose		(B) is yellow in colour			
	(C) Possess blood	vessels	(D) all above			
32.	Which of the following structure is not included in blood cells					
	(A) Fibrinogen	(B) Lymphocytes	(C) Basophils	(D) Erythrocytes		
33.	Which is metabolic waste product of blood:-					
	(A) Fibrinogen	(B) carbon dioxide	(C) Lysine	(D) Immunoglobulin		
34.	What is the number of RBCs per cubic mililiter blood of adult made under normal condition .					
	(A) 41,00,000 to 60,00,000		(B) $7.5 \pm 3.5 \times 10^3$			
	(C) 39 to 55 x 10^{10})	(D) 39,00,000 to 55,00,000			
35.	Which structure of	blood is nucleated?				
	(A) Erythrocytes	(B) Leucocytes	(C) Bloood platlets	(D) Above all		
36.	Nucleus of which le	eucocytes have many lobe :-	-			
	(A) Eosinophils	(B) Neutrophils	(C) Basophils	(D) Monocytes		
37.	The darker bands in muscle fibre is called					
	(A) H - bands	(B) A - bands	(C) Z - bands	(D) I - bands		
38.	Which muscle tissue is mononucleate having granular sarcoplasm around its nucleus:-					
	(A) Smooth muscle	•	(B) Voluntary muscle t	tissue		
	(C) Cardiac muscle		(D) Skeletal muscle tissue			
39.	The lighter bands in	The lighter bands in muscles fiber is called:-				
	(A) I - bands	(B) H - bands	(C) Z - bands	(D) A - bands		
40.	A structure formed	by enveloped of schwann's	cells			
	(A) Nodes of Ranv	rier (B) Neurilemma	(C) Myelin Sheath	(D)(A) and (C) both		
41.	Cell body of which	neuron giving rise to both d	lendrite and axonal branch	nes.		

(C) Bipolar neuron

(B) Multipolar neuron

(A) Unipolar neuron

(D) All the above

Questionbank B	ology
Which structure is indicated by each myelinated ne	rve fil

Which structure is indic	cated by each myelinated	nerve fibre.		
(A) Neurilemma	(B) Constritions at regu	ular intervals called nodes	of ranvier	
(C) Neurotransmitters	(D) Synapes			
Directions: In the follow	wing questions there are	two statements; Assertion	(A) and Reason (R):	
(A) Both A and R are tr	rue and R is correct expla	nation ofA.		
(B) Both A and R are tr	rue but R is not correct ex	xplanation of A.		
(C) A is true and R is w	rong.			
(D) A is wrong and R is	strue.			
A: Squamous epithelium	m protect the under lying	tissue.		
R: Outer most layer of	skin of frog made up of s	quamous epithelium.		
(A)	(B)	(C)	(D)	
A: Thickness of skin la	yer is maintained.			
R: In compound epithe	elium, layer rested on base	ement membrane shows p	ower of cell division.	
(A)	(B)	(C)	(D)	
A: Mast cells are found	l in areolar tissue.			
R: Mast cells produces	s heparin, histamine etc.			
(A)	(B)	(C)	(D)	
A: Cartilage bond conr	nects the joints.			
R: Matrix of cartilage i	s dense.			
(A)	(B)	(C)	(D)	
A: Yellow elastin cartila	age has elastin.			
R: Whie fibrous cartila	ge has bundles of collage	n, fibres		
(A)	(B)	(C)	(D)	
A: Blood has propertie	s of clotting			
R: Blood has plasma pr	rotein fibrinogen.			
(A)	(B)	(C)	(D)	
A: Muscle fibre of skele	etal muscle is multi nucle	ate.		
R: In each animals muscle fibres are attached to bones by tendons.				
(A)	(B)	(C)	(D)	
	-	stance within the 'A' band		
R: Thin Filaments slide	s over thick filaments			
(A)	(B)	(C)	(D)	
Which pair of structure	s distinguishes a nerve ce	ll from other cells.		
(A) Vacuole and fibres		(B) Nucleus and mitochondria		
(C) Perikaryon and den	ndrites	(D) Flagellum and medullary sheath		
•	occurs in:		(MHTCET 2008	
(A) Blood vessels		(B) Trachea		
(C) Kidney		(D) Ureter/urinary blad	lder	
	(A) Neurilemma (C) Neurotransmitters Directions: In the follow (A) Both A and R are true (B) Both A and R are true (C) Ais true and R is we (D) Ais wrong and R is we (D) Ais wrong and R is we (D) Ais wrong and R is we (E) Ais true and R is we (E)	(A) Neurilemma (B) Constritions at regree (C) Neurotransmitters (D) Synapes Directions: In the following questions there are read (A) Both A and R are true and R is correct explaying (B) Both A and R are true but R is not correct explaying (C) A is true and R is wrong. (D) A is wrong and R is true. A: Squamous epithelium protect the under lying R: Outer most layer of skin of frog made up of states (A) (B) A: Thickness of skin layer is maintained. R: In compound epithelium, layer rested on based (A) (B) A: Mast cells are found in areolar tissue. R: Mast cells produces heparin, histamine etc. (A) (B) A: Cartilage bond connects the joints. R: Matrix of cartilage is dense. (A) (B) A: Yellow elastin cartilage has elastin. R: Whie fibrous cartilage has bundles of collaged (A) (B) A: Blood has properties of clotting R: Blood has plasma protein fibrinogen. (A) (B) A: Muscle fibre of skeletal muscle is multi nuclear. R: In each animals muscle fibres are attached to (A) (B) A: Thick and thin filaments overlap for some distance in the filaments (A) (B) A: Thick and thin filaments overlap for some distance in the filaments (A) (B) A: Thick and dendrites over thick filaments (C) Perikaryon and dendrites Transitional epithelium occurs in: (A) Blood vessels	C(C) Neurotransmitters (D) Synapes Directions: In the following questions there are two statements; Assertion (A) Both A and R are true and R is correct explanation of A. (B) Both A and R are true but R is not correct explanation of A. (C) Ais true and R is wrong. (D) A is wrong and R is true. A: Squamous epithelium protect the under lying tissue. R: Outer most layer of skin of frog made up of squamous epithelium. (A) (B) (C) A: Thickness of skin layer is maintained. R: In compound epithelium, layer rested on basement membrane shows proceed in the compound of the compound in areolar tissue. R: Mast cells are found in areolar tissue. R: Mast cells produces heparin, histamine etc. (A) (B) (C) A: Cartilage bond connects the joints. R: Matrix of cartilage is dense. (A) (B) (C) A: Yellow elastin cartilage has elastin. R: Whie fibrous cartilage has bundles of collagen, fibres (A) (B) (C) A: Blood has properties of clotting R: Blood has plasma protein fibrinogen. (A) (B) (C) A: Muscle fibre of skeletal muscle is multi nucleate. R: In each animals muscle fibres are attached to bones by tendons. (A) (B) (C) A: Thick and thin filaments overlap for some distance within the 'A' band R: Thin Filaments slides over thick filaments (A) (B) (C) Which pair of structures distinguishes a nerve cell from other cells. (A) Vacuole and fibres (B) Nucleus and mitocle (C) Perikaryon and dendrites (D) Flagellum and med Transitional epithelium occurs in: (A) Blood vessels (B) Trachea	

		Questionbank	Biology		
53.	The study of tissues is	knows as :		(MPPMT 2010)	
	(A) Physiology	(B) Ecology	(C) Histology	(D) Anatomy	
54.	Find out the wrong ma	tch:	(Kerala 2010)		
	(A) Eosinophils	Allergic response			
	(B) Basophils	Secrete histamine and s	serotonin		
	(C) Monocytes	Secrete heparin			
	(D) Lymphocytes	Immune response			
55.	The outer covering of	cartilage is called.		(WB 2010)	
	(A) Peritoneum	(B) Periosteum	(C) Endosteum	(D) Perichondrium	
56.	Skin is:			(CPMT 2010)	
	(A) Cubiodal epithelium	m			
	(B) Stratified epithelium	n			
	(C) Coloumnar epithel	ium			
	(D) Pseudostratified ep	oithelumn			
57.	Match the animals liste	ed in column-I to blood list	ted in column-II.	(KCET 2010)	
	Column-I	Column-II			
	(P) Man	(i) Plasma and cells are	colourless		
	(Q) Earth worm	(ii) Plasma colourless a	and nucleated RBC		
	(R) Cockroach	(iii) Plasma colourless	(iii) Plasma colourless and enucleated RBC		
	(S) Frog	(iv) Plasma red and nuc			
		(v) Plasma and RBS ha	ve haemoglobin		
	(A) $(P-iii)$, $(Q-iv)$, $(R-iv)$	i), (S-ii)	(B) (P-iv), (Q-v), (R-ii	i), (S-ii)	
	(C) $(P-i)$, $(Q-iv)$, $(R-ii)$), (S-iii)	(D) (P-v), (Q-iii), (R-i)), (S-iv)	
58.	Matrix of bone and car	rtilage can be distinguishe	ed by the presence of:	(Orrisa 2010)	
	(A) Lacuma	(B) Chromatophares	(C) Haversian canals	(D) Adipose cells	
59.	Which type of tissue for	orms glands :		(MPPMT 2010)	
	(A) Epithelial	(B) Muscular	(C) Nervous	(D) Connective	
60.	Which of the following	g blood cells help in blood	•	(Orrisa 2010)	
	(A) RBCs	(B) Lymphocytes	(C) Thrombocytes	(D) Basophils	
61.	- ·	ges and mast cells are pres		(Kerala 2010)	
	(A) Cartilage tissue		(B) Areolar tissue		
	(C) Adipose tissue		(D) Glandular epitheliu		
62.	Which type of epithelium is involved in a function to move particles or mucus in specific direction:				
				(HPPMT 2010)	
	(A) Squamous epithelium (B) Cuboidal epithelium (C) Columnar epithelium (D) Ciliatal epithelium				
63.		ound in connective tissue :		(MPPMT 2010)	
	(A) Collagen fibres	(B) Basement membra	ne(C) Hyaluronic acid	(D) Fluid	

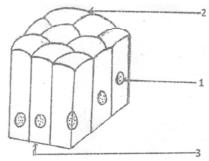
64. Multi-lobed nucleus and granular cytoplasm are characteristics of which of the WBCs:

(Orissa 2010)

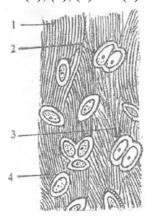
- (A) Neutrophils
- (B) Monocytes
- (C) Lymphocytes
- (D) Eosinophils
- 65. Which one of the following plasma proteins is involved in the coagulation of blood. (CBSE 2011)
 - (A) globulin
- (B) Fibrinogen
- (C) albumin
- (D) Serum amylase
- 66. Which of the following is not a connecting tissue. (CPMT 2010)
 - (A) Blood
- (B) bone
- (C) Lymph
- (D) Nerve
- 67. The ciliated columnar epithelial cells in humans are knows to occur in.

(CBSE 2011)

- (A) Bile duct and oesophagus
- (B) Fallopian tubes and urethra
- (C) Eustachian tube and stomach lining
- (D) Bronchioles and fallopian tubes
- 68. Which of the following is correct for (1), (2), (3) lebelled in the given diagram?

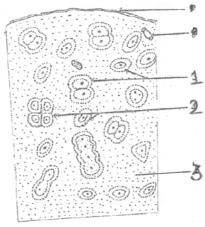


- (A) (1) Nucleus, (2) Basment membrane, (3) Free polygonal surface
- (B) (1) Free polygonal surface, (2) Basement membranme, (3) Nucleus
- (C) (1) Nucleus, (2) Free polygonal surface, (3) Basement membrane
- (D) (1) Basement membrane, (2) Nucleus, (3) Free polygonal surface
- 69. Which of the following is correct for (1), (2), (3) and (4) in the given diagram?

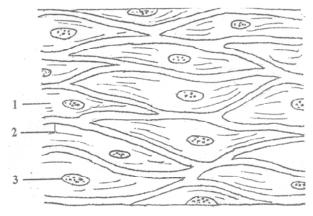


- (A) (1) Matrix (2) Chondrocyte (3) Lacunae (4) Collagen fibre
- (B) (1) Lacunae (2) Matrix (3) Collagen fibre (4) Chondrocyte
- (C) (1) Chondrocyte (2) Matrix (3) Collagen fibre (4) Lacunae
- (D) (1) Collangen fibre (2) Lacunae (3) Chondrocyte (4) Matrix

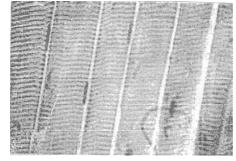
70. Which of the following is correct for (1), (2) and (3) in the given diagram?



- (A) (1) Lecunae (2) Chondrin Matrix (3) Chondrocytes
- (B) (1) Chondrocytes (2) Lecunae (3) Chondrin Matrix
- (C) (1) Chondrocytes (2) Lecunae (3) Chondrin Matrix
- (D) (1) Chondrin matrix (2) Chondrocytes (3) Lecunae
- 71. Which of the following is correct for (1), (2), (3) in the given diagram?



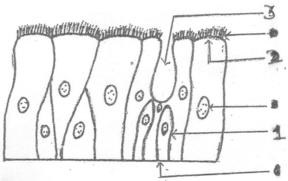
- (A) (1) Sarcoplasm (2) Sarcolema (3) Nucleus
- (B) (1) Nucleus (2) Sarcoplasma (3) Sarcolema
- (C) (1) Sarcolema (2) Nucleus (3) Sacroplasm
- (D) (1) Sarcoplasm (2) Sarcolema (3) Nucleus
- 72. In the following diagram the thin filament is made up of.



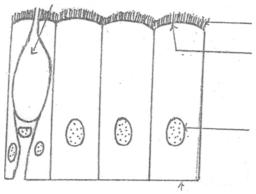
- (A) Only myosin
- (C) H-line, troponin

- (B) Actin, tropomyosin, troponin
- (D) Myosin, actin and tropomyosin

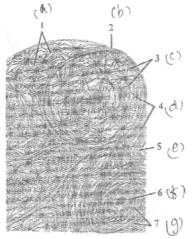
73. Which of the following is correct for (1), (2), (3) in the given diagram?



- (A) (1) Basal granule (2) Supporting cells (3) Mucus secreting cells
- (B) (1) Supporting cells (2) Mucus secreting cell (3) Basal granule
- (C) (1) Supporting cells (2) Basal granule (3) Mucus secreting cell
- (D) (1) Mucus secreting cell (2) Supporting cells (3) Basal granule
- 74. Write location of the following diagram.

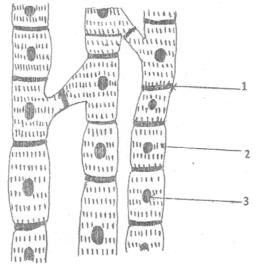


- (A) Gall blader
- (B) Lungs
- (C) Thyroid gland
- (D) Uterine tube
- 75. In the diagram of the section of bone tissue given below, certain parts have been indicated by alphabets, choose the answer in which these alphabets have been correctly matched with the parts which they indicate.

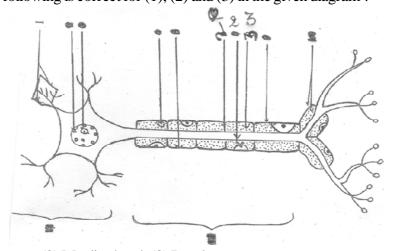


(A) A = Interstitial lamellae, B = Laemaellae with osteocytes, C = Blood vessels, D = Nerve, E = Canaliculi, F = Naversian canal, G = Lamellae

- (B) A = Interstitial lamellae, B = Haversian system, C = Concentric lamellae, D = Cacune with bone cells, E = Matrix, F = Haversian canal, G = Canaliculi
- (C) A = Interstitial lamellae, <math>B = Osteocytes, C = Nerve, D = Blood vessels, E = Canaliculi, F = Haversian system, <math>G = Lamellae
- (D) A = Interstitial lamellae, B = Osteocytes, C = Nerve, D = Blood vessles, E = Lamellae, F = Haversian canal, G = Canaliculi
- 76. Which of the following is correct for (1), (2), (3) in the given diagram?
 - (A) (1) Nucleus (2) Bands (dics) (3) Intercalated disc
 - (B) (1) Bands (disc) (2) Nucleus (3) Intercalated disc



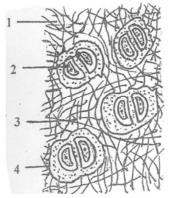
- (C) (1) Nucleus (2) Intercalated disc (3) Bands (discs)
- (D) (1) Intercalated disc (2) Bands (discs) (3) Nucleus
- 77. Which of the following is correct for (1), (2) and (3) in the given diagram?



- (A) (1) Neuroaxon (2) Myelin sheath (3) Dendron
- (B) (1) Myelin sheath (2) Neuroaxon (3) Dendron
- (C) (1) Dendron (2) Neuroaxon (3) Myelin sheath
- (D) (1) Myelin sheath (2) Dendron (3) Neuroaxon

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78. Which of the following is correct for (1), (2) and (3) in the given diagram?



- (A) (1) Elastic fibre (2) Lecunae (3) Matrix (4) Chondrocytes
- (B) (1) Matrix (2) Chondrocytes (3) Lecunae (4) Elastic fibre
- (C) (1) Chondrocytes (2) Matrix (3) Elastic fibre (4) Lecunae
- (D) (1) Lecunae (2) Elastic fibre (3) Matrix (4) Chondrocytes
- 79. Which tissue indicated by given diagram?
 - (A) Calcified cartilage (B) Hyaline cartilage
 - (C) White fibre cartilage (D) Yellow elastic cartilage

ANSWER KEY

1 (D)	2 (C)	2 (0)	4 (D)	
1. (B)	2. (C)	3. (C)	4. (B)	
5. (A)	6. (C)	7. (A)	8. (C)	
9. (D)	10. (A)	11. (B)	12. (C)	
13. (C)	14. (D)	15. (C)	16. (D)	
17. (B)	18. (C)	19. (A)	20. (B)	
21. (A)	22. (A)	23. (B)	24. (B)	
25. (B)	26. (A)	27. (B)	28. (D)	
29. (A)	30. (B)	31. (D)	32. (A)	
33. (B)	34. (A)	35. (B)	36. (B)	
37. (B)	38. (A)	39. (A)	40. (B)	
41. (B)	42. (B)	43. (A)	44. (A)	
45. (B)	46. (D)	47. (B)	48. (A)	
49. (C)	50. (B)	51. (C)	52. (D)	
53. (C)	54. (C)	55. (D)	56. (D)	
57. (A)	58. (C)	59. (A)	60. (C)	
61. (B)	62. (D)	63. (B)	64. (A)	
65. (B)	66. (D)	67. (D)	68. (C)	
69. (D)	70. (C)	71. (A)	72. (D)	
73. (C)	74. (D)	75. (D)	76. (D)	
77. (C)	78. (A)	79. (D)		

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