

Chapter-12: Circulation

- 1) Heart is of origin?
 - a) ectodermal
 - b) endodermal
 - c) mesodermal
 - d) none of these
- 2) Which of the following is also called mitral valve?
 - a) bicuspid valve
 - b) tricuspid valve
 - c) arterio-ventricular valve
 - d) semi-lunar valve
- 3) Which one is AV valve?
 - a) bicuspid
 - b) tricuspid
 - c) both
 - d) none
- 4) Lymph is poured back to the circulatory system in:
 - a) pulmonary vein
 - b) hepatic portal vein
 - c) subclavian vein
 - d) renal vein
- 5) Which one of the following is also called semi-lunar valve?
 - a) tricuspid valve
 - b) aortic valve
 - c) pulmonary valve
 - d) both b and c
- 6) The valve between left ventricle and lymphatic auricle is:
 - a) semi lunar valve
 - b) bicuspid valve
 - c) tricuspid valve
 - d) pulmonary valve
- 7) Lub sound is produced during?
 - a) relaxation of semi-lunar valve
 - b) closing of AV valve
 - c) closing of semi-lunar valve
 - d) opening of AV valve
- 8) The valve between right atrium and right ventricle is called:
 - a) bicuspid valve
 - b) tricuspid valve
 - c) pulmonary valve
 - d) semi lunar valve
- 9) The speed of blood flow in aorta is.....?
 - a) 425 mm/sec
 - b) 415 cm/sec
 - c) 440 cm/min
 - d) 425 cm/sec
- 10) Purkinji fibers are found in.....?
 - a) auricles
 - b) ventricles
 - c) inter auricular septum
 - d) all of these
- 11) The diameter of human capillary is Microns?
 - a) 5
 - b) 6
 - c) 7
 - d) 8
- 12) In ECG P-wave shows.....?
 - a) contraction of ventricles
 - b) relaxation of auricles
 - c) contraction of auricle
 - d) none of these
- 13) Mammals have Aortic arch?
 - a) left
 - b) right
 - c) pair
 - d) none
- 14) Diameter of artriote is.....?
 - a) 3 μ m to 10mm
 - b) 3mm to 10mm
 - c) 3mm to 10 μ m
 - d) 3 μ m to 10mmg
- 15) Artrioles have two layers, which one of the following is absent in arterioles but present in large artries?
 - a) tunica externa
 - b) tunica media
 - c) tunica interna
 - d) none of these
- 16) Average BP in vein is?
 - a) 1 mmHg
 - b) 2 mmHg
 - c) 10 mmHg
 - d) 20 mmHg
- 17) Blood flow towards kidney during exercise is.....?
 - a) 1200 mmHg
 - b) 400 mmHg
 - c) 1900 mmHg
 - d) none of these

Golden Series

- 18) BP in largest vein(vena cava) of the body is.....?
 a) 2 mmHg b) 10 mmHg c) 20 mmHg d) none of these
- 19) Blood supply to the brain during exercise is.....?
 a) 250 mm/min b) 750 mm/min c) 1400 mm/min d) none of these
- 20) The foramen ovale in the fetal heart is located in the?
 a) right atrium b) left atrium c) interventricular septum
 d) interatrial septum e) pulmonary trunk f) none of them
- 21) Cardiac muscles are:
 a) striated b) involuntary c) both d) none
- 22) In fishes the heart pumps:
 a) pure blood to body b) impure blood to body
 c) pure blood to gills d) impure blood to gills
- 23) Congenital defect in which complete chamber is absent is called.....?
 a) myoplasia b) cardioplasia c) hypoplasia d) none of these
- 24) Lymph mixes with the blood in?
 a) brachial artery b) sub-clavin artery
 c) carotid artery d) none of these
- 25) is/are large lymphatic ducts?
 a) right lymphatic duct b) thorasic duct
 c) both a and b d) none of these
- 26) Which of the following is the largest lymphoid tissues?
 a) liver b) kidney c) spleen d) pancrease
- 27) Which of the following is included in AV valve?
 a) aortic valve b) mitrial valve
 c) pulmonary valve d) both a and c
- 28) A condition in which the artery is thickened and blocked by cholesterol is called:
 a) arteriosclerosis b) atherosclerosis
 c) thrombosis d) embolism
- 29) When semilunar valve is closed, sound is produced?
 a) lub b) dub c) both a and b d) none of these
- 30) Pumping denser blood causes the heart to be strained and waste products become concentrated in the body. What is the cause of these problems?
 a) excess of water b) deficiency of mineral
 c) deficiency of Oxygen d) dehydration
- 31) Ventricle is contracted in seconds?
 a) 0.3 b) 01 c) 0.8 d) none of these
- 32) The blood flow in mili-liters/minute during exercise to the skin is:
 a) 1500 ml b) 1600 ml c) 1800 ml d) 1900 ml
- 33) Minimum speed of blood is found in capillaries which is?
 a) 40 mmHg b) 20 mmHg c) 02 mmHg d) none of these
- 34) A non-connective tissues is:
 a) areolar tissues b) tendon c) neuron d) ligament
- 35) BP in the capillaries is?
 a) 20 mmHg b) 60 mmHg c) 02 mmHg d) 40 mmHg
- 36) If a new born baby possess, carboxy hemoglobin instead of the oxyhemoglobin, the condition may be:
 a) embolism b) atherosclerosis c) cyanosis d) arteriosclerosis

- 37) Average BP in the arteries is?
 a) 102 mmHg b) 100 mmHg c) 120 mmHg d) 02 mmHg
- 38) In ECG the T-wave shows.....?
 a) relaxation of auricles b) contraction of auricles
 c) contraction of ventricles d) relaxation of ventricles
- 39) Coloration of the skin of a baby turns bluish shortly after birth. The reason may be:
 a) increased level of anesthesia was administered to her mother
 b) the blood pressure is very high
 c) baby has an unclosed foramen ovale
 d) some hormonal disturbance has caused discoloration
 e) blood capillaries in the liver are not working efficiently
 f) all of these
- 40) AV node is also called?
 a) natural pacemaker b) artificial pacemaker
 c) primary pacemaker d) none of these
- 41) Diameter of venules is?
 a) 8-10 μ m b) 8-100 μ m c) 10-100 μ m d) 20-100 μ m
- 42) Tunica interna of arteries is composed of epithelium?
 a) squamous b) cuboidal c) columnar d) none of these
- 43) Pre-capillary sphincter is found at the region where:
 a) arteries divide into arterioles b) venules divide into capillaries
 c) arterioles divide into capillaries d) arterioles divide into capillaries
- 44) Edema mostly occur due to the damage of:
 a) mitral valve b) AV valve c) post capillary sphincter d) none
- 45) How many valves are found in renal artery?
 a) one b) two c) four d) none
- 46) High pressure baroreceptors are found in:
 a) right auricle b) aortic arch c) both d) none
- 47) Double circuit circulatory system is absent in:
 a) amphibian b) reptiles c) birds d) none
- 48) supplies the oxygenated blood to the intestines?
 a) mesenteric b) jugular c) carotid d) none
- 49) The only vein in the body which divides into capillaries is:
 a) portal vein b) hepatic portal vein c) both d) none
- 50) The vein which carries blood from the leg region is:
 a) iliac vein b) mesenteric vein c) inferior vena cava d) jugular vein
- 51) Which one is not included in double circuit circulatory system?
 a) pulmonary circuit b) systemic circuit c) both d) none
- 52) In embryonic stage which circuit is functional?
 a) pulmonary b) systemic c) both d) none
- 53) The artery which carry blood towards the brain is called artery?
 a) internal femoral b) jugular c) carotid d) thoracic
- 54) The mixing of oxygenated and deoxygenated blood occurs in the heart of:
 a) amphibian b) reptiles c) both d) none
- 55) Which one delay the impulse until the auricle completely contract?
 a) SA nod b) AV nod c) Natural pacemaker d) artificial pacemaker

- 56) The rate of ECG paper is:
 a) 5mm/sec b) 20mm/sec c) 25mm/sec d) none
- 57) Vasa vasorum is found in:
 a) tunica externa b) tunica media c) tunica interna d) capillaries
- 58) Which one of the following plays the main role in the vaso-constriction?
 a) tunica externa b) tunica media c) tunica interna d) endothelial layer
- 59) Which of the following have only single circuit circulatory system?
 a) sea anemone b) sea horse c) sea mouse d) sea lion
- 60) B.P is normally measured in:
 a) radial artery b) brachial artery c) femoral artery d) none
- 61) B.P in the capillaries is:
 a) 40/20 b) 60/40 c) 20/10 d) none
- 62) Which of the following gives more accurate result in the B.P measuring?
 a) automatic method b) manual method c) both d) none
- 63) Cardiopulmonary receptors are mostly found in:
 a) large systemic vein b) right atrium c) both d) none
- 64) Low pressure baroreceptors are also called:
 a) cardiopulmonary receptors b) volume receptors c) both d) none
- 65) Low pressure baroreceptors have effect?
 a) circulatory b) renal c) both d) none
- 66) Which of the following is used in the measuring of B.P?
 a) sphygmomanometer b) stethoscope c) otoscope d) both a and b
- 67) Hyperlipidemia, hypertension and cigarette smoking increases the risk of atherosclerosis
 Times?
 a) two b) five c) seven d) none
- 68) Reduction of 5 to 6 mmHg can decrease the risk of stroke upto %?
 a) 20 b) 15 to 20 c) 40 d) 60
- 69) Which one is not a disease?
 a) hypertension b) hypotension c) obesity d) all are disease
- 70) The first coronary bypass surgery occurred in:
 a) 1968 b) 1960 c) 1974 d) none
- 71) For the first time in bypass surgery blood vessel is used?
 a) saphenous vein b) saphenous artery c) internal mammary artery d) internal mammary vein
- 72) Which of the following play the most important role in the regulation of blood volume?
 a) high pressure baroreceptors b) cardiopulmonary receptors c) both d) none
- 73) Which one is most commonly used in bypass surgery now a days?
 a) saphenous artery b) mammary vein c) saphenous vein d) none
- 74) Which one is pumping organ in lymphatic system?
 a) spleen b) thymus gland c) tonsils d) none
- 75) Hodgkin's disease is the enlargement of lymph node in region?
 a) abdominal cavity b) thoracic cavity c) neck region d) none

Answer Key:

1)c	2)a	3)c	4)c	5)d	6)b	7)b	8)b	9)d	10)b	11)d	12)c
13)a	14)c	15)a	16)b	17)d	18)d	19)b	20)d	21)d	22)c	23)c	24)d
25)c	26)c	27)b	28)b	29)b	30)d	31)a	32)d	33)d	34)c	35)d	36)c
37)b	38)d	39)c	40)d	41)b	42)a	43)c	44)d	45)d	46)b	47)d	48)a
49)b	50)a	51)d	52)b	53)c	54)c	55)b	56)c	57)a	58)b	59)b	60)b
61)d	62)b	63)c	64)c	65)c	66)d	67)c	68)c	69)b	70)b	71)c	72)b
73)c	74)d	75)c	76)	77)	78)	79)	80)	81)	82)	83)	84)

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