

PRACTICE QUESTION (SET-26)

1. Which of the following is the largest and most chamber of heart
(a) Right atrium (b) Right ventricle
(c) Left ventricle (d) Left atrium
2. Which is the pacemaker of heart
(a) AV Node (b) SA Node
(c) The bundle of His (d) Purkinje Fibers
3. CVP is the pressure within
(a) Inferior venacava (b) Pulmonary artery
(c) Pulmonary vein (d) Subclavian vein
4. Normal cardiac cycle is
(a) 0.12 – 0.2 sec (b) 0.04 -0.01 sec
(c) Less than 0.4 sec (d) 0.8 sec
5. Normal cardiac index is
(a) 5 – 6 L/mt (b) 2.5 – 4 L/mt/mt2
(c) 70 ml/mt (d) None of these
6. The amount of blood ejected from the ventricle in each contraction is
(a) Cardiac output (b) Stroke volume
(c) Cardiac reserve (d) None of these
7. The normal number of cardiac cycles per minutes from
(a) 60 -80 (b) 90-100
(c) 50- 60 (d) 80- 100
8. The blood pressure recording is 110/80 mm of Hg, the pulse pressure is
(a) 110 (b) 80
(c) 190 (d) 30
9. The apex beat can be best heard at
(a) 5th intercostal space
(b) 3rd intercostal space
(c) 7th intercostal space
(d) Centre of sternum
10. SA Node is located in
(a) Right atrium (b) Left atrium
(c) Left ventricle (d) Right ventricle
11. In the heart, the mixing of oxygenated and deoxygenated blood is prevented by
(a) Mitral valve (b) Tricuspid valve
(c) Septum (d) Pericardium
12. Which of the following heart chamber constitutes apex of heart
(a) Left ventricle (b) Right ventricle
(c) Left atrium (d) Right atrium
13. Positive Inotropic agent causes
(a) Increased heart rate
(b) Increased force of contraction
(c) Dilate veins
(d) All of the above
14. What are the layers of heart?
(a) Pericardium, endocardium, myocardium
(b) Endocardium, myocardium, epicardium
(c) Tunical media, Tunica adventitia, tunica intima
(d) None of these
15. Coronary arteries are perfused during
(a) Systole (b) Diastole
(c) A & B (d) None of these
16. Functionally cardiac muscles resemble with
(a) Smooth muscles
(b) Striated skeletal muscles
(c) Non striated muscles
(d) None of these
17. The firing of SA Node
(a) 40 – 60/mt (b) 50 -60/mt
(c) 30-40/mt (d) 60-100/mt
18. Firing rate of ventricle is
(a) 60- 100/mt (b) 50-60/mt
(c) 40-60/mt (d) 20-40/mt
19. The amount of resistance to ejection of blood from ventricle is called
(a) Preload (b) Afterload
(c) Ejection fraction (d) Contractility
20. The degree of stretch of cardiac muscle fibers at the end of diastole is called
(a) Preload (b) Afterload
(c) Contractility (d) Ejection fraction
21. The percentage of end diastolic blood volume ejected from the ventricle with each heart beat is called
(a) Contractility (b) Ejection fraction
(c) Stroke volume (d) Cardiac output
22. S1 heart sound is produced
(a) During the closure of AV valve
(b) During closure of semi lunar valve
(c) Both a & b
(d) None of the above
23. Closure of semilunar valve results in
(a) S1 heart sound (b) S2 heart sound
(c) S3 heart sound (d) S4 heart sound
24. Which lipoprotein helps in the transport of fat away from the cells and tissues of arterial wall to the liver for excretion?
(a) HDH (b) LDL
(c) LDH (d) HDL
25. How long the person should be on fasting to give blood specimen for lipid profile
(a) 2 Hrs (b) 6 Hrs
(c) 12 Hrs (d) 1 Hr

26. Eelctrocardiographic tracing recorded continuously over a period of 24 hr during routine activities, is
 - (a) Holter
 - (b) Echocardiography
 - (c) DSA
 - (d) Tredmill test
27. P wave is commonly absent in
 - (a) Atrial fibrillation
 - (b) Tachycardia
 - (c) Bradycardia
 - (d) All of the above
28. The procedure that involves insertion of a catheter into heart and surrounding vessels to obtain the structure and performance of heart is
 - (a) Angioplasty
 - (b) Laser ablation
 - (c) Cardioversion
 - (d) Cardiac catheterrization
29. M shaped QRS complex is seen in
 - (a) Bundle branch block
 - (b) Atrial flutter
 - (c) Atrial fibrillation
 - (d) None of these
30. Absence of recognizable QRS complex in ECG indicate
 - (a) Atrial fibrillation
 - (b) Ventricular fibrillation
 - (c) Sinus arrhythmias
 - (d) Paroxysmal ventricular tachycardia
31. Normal range of Glycosylated hemoglobin is
 - (a) 1% - 2%
 - (b) 4% - 7%
 - (c) 8% - 10%
 - (d) Above 10%
32. Which of the following shows flipped pattern that signify myocardial infarction?
 - (a) $LDH_1 > LDH_2$
 - (b) $LDH_1 = LDH_2$
 - (c) $LDH_2 > LDH_1$
 - (d) $LDH_3 > LDH_2$
33. Which of the following cardiac enzyme level returns to normal initially?
 - (a) CKMB
 - (b) Myoglobin
 - (c) Trop T
 - (d) Trop I
34. Which of the following is considered as the most favourable findings of lipid profile?
 - (a) Elavated LDL level
 - (b) Elevated VLDL level
 - (c) Elevated HDL level
 - (d) Elevated triglyceride level
35. "Saw tooth appearance" of ECG wave is seen in
 - (a) Atrial flutter
 - (b) Atrial fibrillation
 - (c) SVT
 - (d) PVC
36. Pt had a history of chest pain 2 wks back. Which of the following cardiac marker can be evaluated?
 - (a) Trop T
 - (b) Trop I
 - (c) CKMB
 - (d) Myoglobin
37. What is the first drug of choice of MI
 - (a) Paracetamol
 - (b) Streptokinase
 - (c) Morphine sulphate
 - (d) Heparin
38. Which of the following electrolyte level has to be evaluated for a patient with digoxin?
 - (a) Na^+
 - (b) K^+
 - (c) Ca^{2+}
 - (d) Mg
39. Normal therapeutic level of digoxin in blood is
 - (a) 0.5 - 2 ng/ml
 - (b) 2-3 ng/ml
 - (c) 0.8 - 2 mg/ml
 - (d) 0.01 - 0.1 mg/ml
40. The transient loss of consciousness related to inadequate cerebal perfusion secondary to decreased cardiac output is
 - (a) Palpitation
 - (b) Syncope
 - (c) Pulsus paradoxus
 - (d) PND
41. LWMI occurs due to the occlusion of
 - (a) Right coronary artery
 - (b) LAD
 - (c) Both a & b
 - (d) Lt circumflex artery
42. The amount of energy used for defibrillation is
 - (a) 200 J
 - (b) 50-200 J
 - (c) 25 Pound
 - (d) 500 J
43. In CPR the chest compression ventilation ratio is
 - (a) 5:1
 - (b) 30:1
 - (c) 30:2
 - (d) 30:3
44. Cigarette smoking can affect the circulation by
 - (a) Narrowing the blood vessels
 - (b) Over expanding the blood vessel
 - (c) Blocking the blood vessel
 - (d) Extravasation of blood
45. The enlargement of right ventricle secondary to impairment of pulmonary circulation is
 - (a) Cachexia
 - (b) Cardiac tamponade
 - (c) Corpulmonale
 - (d) CCF
46. Rheumatic heart disease is an after effect of
 - (a) Streptococcal infection
 - (b) Staphylococcal infection
 - (c) Pneumococcal infection
 - (d) E.coli infection
47. The antiatherosclerotic lipoprotein
 - (a) LDL
 - (b) VLDL
 - (c) HDL
 - (d) Chylomicrons

48. Which of the following vein is commonly used in CABG
- (a) Femoral (b) Greater saphenus
(c) Popliteal (d) Brachial
49. Vasoconstrictive response causing ischemia from exposure to cold and stress is
- (a) Raynaud's disease
(b) Aneurysm
(c) Buerger's disease
(d) None of these
50. Which of the following is termed as widow artery?
- (a) RCA (b) LCA
(c) LAD (d) Diagonal artery



ANSWERS

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