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WRITTEN TEST FOR MFCP OF PERFUSIONIST HELD ON 08/07/2015

1. Diagonal artery is a branch of

	A. Left anterior C. Posterior desc	descending artery cending artery	B. Obtuse marg D. Left coronar		
2. Th	e ideal range of Ac A. 100-200	tivated Clotting Time B. 200-250 C. 400		PB is	
3. Car	diac surgery done A. Azygous flow C. Alpha stat prin	-	circulation was based B. Laplace Law D. Murphy's law	on	
4. Oxy	A. 1.34ml g O2/ C. 5 ml g O2/gm	ity of Heamoglobin is gm	B. 3 ml g O2/ gm D. 10 ml g O2/gm		
			CPB is humans was done in 1953 by B. C. Walton Lillihei D. Cristian Bernard		
6. Opimum flow rate + pressure for Retrograde cardioplegia delivery is A.200-400 ml/min at 30-50mm Hg B. 200-400 ml/min at 70-80mm Hg C. 100-200 ml/min at 70-80 mm Hg D. 500 ml/min at 60-70 mm Hg					
7. In a	n a heat exchanger, the temperature gradient A. 0-10 degree C C. 25-30 degree C`		between the water and blood is kept at B. 10-20 degree C D. 15-25 degree C		
8. Cor	onary Sinus norma A. LA	ally drains into B. RA	C. LV	D. RV	
9. Pac	emaker of the norm A. SA Node	nal human heart is B. AV Node	C. HIS bundle	D. Crista terminalis	
10. Sa	fe limit of circulate A. 20-40 minutes C. 80-100 minute		C is B. 60-80 minutes D. 100-120 minutes		
11. Ideal negative suction for vaccum assisted venous Return A0 to -10 cm H20 B40 to - 60 cm H20 C60 to -80 cm H20 D100 cm H20					
12. Ide	eal haematocrit for A. 0.20-0.25	moderate and deep hy B. 0.3-0.4 C. 0.4			
13. St thomas II solution contains all of the following except A. Potassium B. Calcium C. Magnesium D. Mannitol					

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A. Hyperkalemia C. Hypercalcemia	B. Hypokaler D. Oliguria		
15. Which of the following is a cyanot A. ASD B. VSD	ic heart disease C. CoA	D. Tetralogy of	fallots
16. Ideal flow rate for adults at 28 degr A. 1.8-2.2 L/ min /m2 C. 1.5-1.8 L/ min /m2	ree C is B. 1-1.5 L/ m D. 0.5 L/ min		
17. Measurement of gas transfer occur. A. Ficks Principle C. Dalton Law	ring artificial me B. Starting La D. Bernoullis	aw	lated using
18. The gas used in the IABP is A. Helium B. Carbon di	ioxide	C. Nitrogen	D. Oxygen
19. Pressure drop across a membrane of A. 10 cm H2O B. 20 cm H2		-	D. 100 cm H2O
20. Drug routinely used to neutralize H A. Protamine B. Dopamine		3 nexamic acid D). Bivalrudin
21. The usual dose of Heparin administ A. 3-4 mg/kg body weight C. 5-8 mg/kg body weight	B. 1-2 mg/ kg	body weight	
22. The following are vasodilator drugs A. Dobutamine C. Nitroglycerine(NTG)		troprusside (SNP) n	· .
23. The normal physiological Serum Po A. 3.5 – 5 m Eq /L C. 6 – 8 m Eq /L	btassium level B. 1.5 – 2.5 m D. 1.5- 3.5 m	1	
24. Hageman's factor is A. Factor 10 C. Factor 9	B. Factor 12 D. Factor 8		
25. Which one of the following drugs isA. AmiodaroneC. Sevoflurane	s administered in B. Insulin D. Lasix	n CPB to terminat	e Ventricular Fibrillation
26. Steps to follow in case of air embol A. Stop CPB C. Begin retrograde cerebral per	B. Place patie	nt in steep head d	own position

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27. The normal blood bicarbonate level is

A. 22-26 m Eq/L C. 50-55 m Eq/L	B. 15-20 m Eq/L D. 40-45 m Eq/L
28. Normal Blood pH is A. 7.36-7.44 C. 7.20-7.36	B. 7.44-7.50 D. 7.1-7.2
29. Which blood group called universal A. AB+ B. AB-	donor? C. O+ D. O-
30. Arterial Line filters remove microem A. 5-10 microns C. 15 –20 microns	aboli in the range of B. 10 –15 microns D. >40 microns
31. The life span of the red blood cells in A. 70 days C. 150 days	n the body is about B. 157 days D. 120 days
32. The greatest quantity of air that can be expiration after full inspiration is its A. Residual volume C. Vital capacity	B. Tidal volume D. Lung volume
33. Accepted urine output during cardion A. 0.0-0.25 ml/kg/hr C. 0.5-1.0 ml/kg/hr	bulmonary bypass is B. 0.25-0.5 ml/kg/hr D. None of the above
34. Flow rates during Cardiopulmonary A. Systemic temperature of the particle. Weight of the patient	
35. The Doppler measures A. Flow velocity C. Systolic pressure	B. Volume flow D. Peripheral resistance
36. The value of diastolic blood pressure A. 120 mmHg C. 120/80 mmHg	B. 80 mmHg D. 40 mmHg
37. Thickening of the wall of arteries is l A. Thrombosis C. Atherosclerosis	Rnown as B. Dissection D. Heart attack
38. Who was the first to describe the prin A. John Hunter C. Rudolf Matas	B. William Harvey D. Alexis Carrel

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39. True mixed venous blood is drawn fromA. Vena cavaC. Right ventricle	B. Right atriumD. Pulmonary artery
40. The cerebellum is important in controlling A. Muscular coordination C. Stretch reflexes	B. Muscle strength D. Stereognosis
41. Exchange of gases in lung alveoli occurs thA. Active transportC. Simple diffusion	rough B. Osmosis D. Passive transport
42. All of the following surgeries can be performable.A. Aortic valveC. Ascending aorta	med using single two stage venous cannula except B. CABG D. ASD
43. Concept of blood cardioplegia was introduc A. Buckberg B. Melrose	
44. The main function of the white blood cells iA. Protect the body from diseasesC. Carry food	
45. The vitamin necessary for blood clotting is A. Vitamin A C. Vitamin C	B. Vitamin K D.Vitamin E
46. Blood circulates from arteries to veins throu A. Villi B.Corpuscles	gh microscopic vessels called C. Capillaries D. Calories
47. The covering of the heart is known as A. Diaphragm C. Peritoneum	B. Pericardium D. Pleura
48. All of them are risk factors for coronary arts A. Smoking C. Hypertension	ery disease except B. Dyslipidaemia D.Exercise
49. Angiography is the imaging of A. Blood vessel B. Nerve C. Bor	ne D.Brain
50. Which of the following is not a type of bloo A. Roller pump C. Centripetal pump	d pump used in cardiopulmonary bypass B. Centrifugal pump D. Pulsatile pump