Course Code: 32517204

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM

B.Sc(ANAESTHEISA TECHNOLOGY) DEGREE EXAMINATIONS -February 2020

SECOND YEAR

		N TO ANAESTHEISA TEC	HNOLOGY			
Three	Hours SECTION - A		Maximum: 75 marks			
I. Cho	oose the Best Answer :		$(10 \times 1 = 10)$			
1.	What is the last safeguard before	the gases reach the patient?				
	A. ETT	B. Thorpe tube				
	C. Oxygen analyzer	D. Capnograph				
2.	When is an O2 analyzer reading	erroneous?				
	A. When an LMA is used	B. A deflated ETT cuff				
	C. When used with nasal cannul	a D. When it is used higher that	an sea level			
3.	What is the method of regulating	g output concentration? choose a	all that apply			
	A. Flow over	B. Concentration calibrated				
	C. Measure flow	• •	jection			
4.	True or false modern vaporizers	are within the breathing circuit?	?			
_	A. True B. False					
5.	What is the approximate water c					
		B. 12-14%				
	C. 14-19%	D. 23-37%				
6.	What is the major safety concern with a descending bellow when a disconnection occurs					
	*	B. There will be a N2O hypoxic				
	C. The bellows will continue the	ir upward and downward mover	ments			
	D. All of the above					
7.	Which of the following does the FDA regulate? choose all that apply					
	•	B. Cylinders	11 3			
		D. Food				
8.	Which agency writes standards for the prevention of fires?					
	A. DOT B. FDA	C. NIOSH				
	D. NFPA E. OSHA					
9.	Which are parts of the medical gas cylinder?					
	A. Cylinder B. Valve	C. Pressure Relief Device				
	D. Conical Depression	E. All of the above				
10.	What is the PISS of N2O?					
	A 15 R 25 C 35 D	1.5				

II. Write Short Answers on any FIVE of the following:

 $(5 \times 5 = 25)$

- 11. Color Coding Of Cylinders
- 12. Hazards Of Vaporizer
- 13. Uses Of AMBU Bags
- 14. Cylinder Pressure Gauge
- 15. Flow Restrictors
- 16. O2 Venti Mask
- 17. Capnography

III. Write Short Essays on any TWO of the following:

 $(2 \times 10 = 20)$

- Explain Types Of O2 Administration Devices. Add A Note On
 A) O2 Concentrator B) Reducing Valves C) Flow Restrictions
- 19. Describe High Pressure And Intermediate Pressure System In Detail...
- 20. Methods Of Insertion Of Oral Airways
- 21. Describe Color Coding In Anaesthesia Workstation.

IV. Write Essays on any ONE of the following:

 $(1 \times 20 = 20)$

- 22. A) Write About The Classification Of Breathing Systems.
 - B) Describe Mapleson System In Detail
 - C) Discuss Advantages, Disadvantages Of Mapleson System
 - D) Brief On Method Of Cleaning And Sterilization Of Mapleson System.
- 23. Describe Following Related To Vaporizer
 - A) Mounting B) Colour Coding
- C) Filling And Draining

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