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ROLL NUMBER	
λ	186

WRITTEN TEST FOR THE POST OF TECHNICAL ASSISTANT (ANAESTHESIA) - A

DATE: 09/08/2017

TIME: 09.30 AM

DURATION: 90 MINUTES

TOTAL MARKS: 80

INSTRUCTIONS TO THE CANDIDATE

- 1. Write your Roll Number on the top of the Question Booklet and in the OMR sheet.
- 2. Each question carries 1 mark.
- 3. There will not be any Negative Marking.
- 4. Darken only the bubble corresponding to the most appropriate answer.
- 5. Marking more than one answer will invalidate the answer.
- 6. Candidate should sign on the question paper and MR sheet.
- 7. Candidate should hand over the question paper and OMR sheet to the invigilator before leaving the examination hall.

Signature of the Candidate

1.	 Colour of Nitrous oxide cylinder 			
	A. Blue with white shoulder B. Blue	C. White with blu	ie shou	lder D. Green
2.	2. What type of gas cylinder is used in MRI?			
		Aluminum		D. Nickel
3.	3. PISS of cylinder			
	A. Same for all gases - B.	Interchangeable		
	C. Non-interchangeable D.	Colour coded		
4.	4. Which is gas sterilization?			
	A. Glutaraldehyde B. Ethyelene oxide	C. Liquid nitroge	n	D. All of the above
5.	5. Example of a liquefied compressed gas			
	A. O ₂ B. Air C.	CO ₂	D. He	
6.	5. Pressure of full E type Oxygen cylinder?			
	A. 1000 psig B. 2000 psig C.	745psig	D. 601	psig
7.	7. Which of the following is not a method of filli	ng of vaporizer		
	A. Keyed filling B. Funnel filling C.	Quik-fill	D. Pui	mping
8.	3. Which of the following is incorrect?			
	A. Before mounting a vaporizer the control d	ial must be OFF		
	B. Select-a -tec system is detachable mounting	ng device		
	C. The adjacent vaporizer need not be turned	OFF		
	D. To remove a vaporizer control dial has to	be turned OFF		
9.	. Which of the following is part of the high pres	ssure system?		
	A. Oxygen flush B. Flowmeter	C. Vapouriser	•	D. Hanger yoke
10.	0. Which of the following is included in the inter	rmediate pressure	systen	n?
	A. O ₂ flush B. Flowmeter	C. Vaporizers		D. Cylinder
11.	1. How often the cylinder should be tested?			
	A. Yearly B. Every 2 years	C. Every 5 years	ars	D. Every 3years
12.	2. Ephedrine B.P			
	A. increases B. decreases C.	No effect	D. Non	ie of the above
13.	3. Naloxone reverses			
	A. Ketamine B. Thiopentone C.	Morphine	D. Ligi	nocaine
	4. The wire reinforced ETT is			
	A. Cole tube B. Flexometallic tube	C. RAE tube		D. Magill tube
15.	5. Units of Pressure			
	A. psi B. mm	C. cm ²		D. kg
	6. Which is a liquefied compressed gas			
	A. Nitrous oxide B. Nitric oxide	C. Nitrogen	D.	Carbon monoxide
	7. Type of cylinder most commonly used in ane	sthesia machine		
	A. D B. F C. E D.			
	3. Cylinder most commonly used for patient tra	nsport and resusc	itation	. "
	A. F B. E C. F D.	H		

19. Large cylinders should be stored	
A. upright against a wall B. upright against a wall and chained in place	
C. horizontally D. horizontally chained in place	
20. Size of catheter used for mouth and pharyngeal suctioning in adults	
A. 20-23Fr B. 10-11Fr C. 14-18Fr D. 18-21Fr	
21. The maximum flow of auxiliary O ₂ flow meter	
A. 5L/min B. 10L/min C. 15L/min D. 12L/min	
22. Granule size of absorbent used in anesthesia machine is	
A. 8-12 mesh B. 2-4 mesh C. 4-8 mesh D. 3-6 mesh	
23. The number of unidirectional valves used in circle system	
A. 1 B. 2 C. 4 D. 6	
24. In the intubated patient, heat and moisture exchanger serves the function of	
A. oral cavity B. larynx C. upper respiratory tract D. trachea	
25. All are complications of using a face mask except	
A. Eye injury B. Gastric distension C. Dental injury D. Nerve inju	1 224 7
	II y
26. Which of the following can be used to sterilize LMA?	
A. Glutaraldehyde B. Ethylene oxide	
C. Autoclaving upto 135°C D. Iodine containing cleaners	
27. The recommended maximum number of uses for LMA classic	
A. 20 B. 5 C. 15 D. 40	
28. The ETT in which secretions can be cleared below vocal cord but above cuff	
A. Laser Tube B. Microlaryngeal tube	
C. Hi-Lo Evac tube D. Double lumen tube	
29. An esophageal intubation can be confirmed by	
A. A drop in SpO2 B. Monitoring EtCO2	
C. By auscultation D. Observing chest wall movements	
30. Regarding CO ₂ monitoring which is incorrect	
A. Sidestream monitoring is used B. Mainstream monitoring is used	
C. Infrared technology is used D. Ultrasound is used	
31. The core body temperature varies between	
A. 35.7°C to 37.8 °C B. 34.7 °C to 36.7 °C C. 34 °C to 38 °C D. 33 °C to	35 °C
32. Indicator colour of a high priority alarm	
A. Green B. Yellow C. Red D. Orange	
33. How long will full E cylinder of O ₂ last at a flow of 3L/min	
A. 5hrs B. 10hrs C. 3.5 hrs D. 12hrs	
34. Accuracy of the automatic blood pressure monitor may be affected by	
A. Electrosurgical interference B. Venous engorgement	
C. Peripheral vasoconstriction D. Cuff size	
35. Process capable of destroying most micro-organisms but, as ordinarily used, not	
bacterial spores	
A. Decontamination B. Disinfection C. Chemosterilizer D. Clea	ning
	2 of 6
rage	- 010

3	6. A low-level disinfectant is		
	A. Sanitizer B. Sporicide	C. Sterilization D. Germicid	е
3	7. Process capable of removing or de	stroying all viable forms of microbial life, includi	ng
	bacterial spores is		
	A. Decontamination	B. Disinfection	
	C. Sterilization	D. Can be achieved with antimicrobials	
38	3. Which of the following are conside	red to be safe in the MRI scanner?	
	A. Copper	B. Pacemaker	
	C. Non-lithium batteries	D. Standard Gas Cylinders	
39	9. Number of cuffs in double lumen to	ibe?	
	A. 4 B. 3	C. 1 D. 2	
40). All are advantages of LMA -Fastrac	h except	
	A. Can be used for intubation		
	B. Can be used for ventilation		
	C. Useful in emergency departmen	t ,	
	D. Useful in intubating patients wit	h pharyngeal pathology	
41	. Identify the term that can describe	a disinfectant that can inhibit the growth of fung	şi:
	A. Fungicidal B. Fungisepsi	S C. Fungistatic D. Fungigenic	
42	. The smallest available LMA-Fastra		
	A. 4 B. 3	C. 2 D. 5	
43	. Incorrect regarding heat and mois		
	A. Prevent inhalation of small parti		
	B. Perform bacterial/viral filtration		
	C. Also known as artificial nose		
101020	D. They are reusable devices		
44.		lical gas cylinders are constructed is	
	A. Mangenese B. Stee		
45.	The marking "3AL" or "3ALM" indic		
	A. Cylinder is made from aluminum		
1.0	C. Cylinder pressure alarm	D. Largest sized cylinder for air	
	The gas with a sweetish odour	C. Carbon manavida D. Halium	
	A. Nitrous oxide B. Nitric oxide	C. Carbon monoxide D. Helium	
	Normal pipeline pressure	C. 60-85 psi D. 100-120 psi	
	A. 50-55 psi B. 30-40 psi		
	Advantage of closed suction include A. Better oxygenation while suction		
	B. Suctioning the pharynx after extension		
	b. Suctioning the pharynx after exte		
	C Reduction in posocomial infection	n	
	C. Reduction in nosocomial infection. P. Facilitating hyperventilation dur		
	C. Reduction in nosocomial infectioD. Facilitating hyperventilation durCapacity of a vaporizer		

50. Identify the term that is used to ensure	surgical instruments are free from micro-	
organisms:	C. Debrided D. Sterilization	
in Distincted		
51. Gold standard for disinfection of larynge		
	8	
52. Material commonly used to manufacture	The second secon	
A. Polyvinyl chloride B. Rubber		
53. M/c nerve and muscle used for neurome	uscular blockade	
A. Ulnar nerve and adductor pollicis		
B. Ulnar nerve and abductor pollicis		
C. Median nerve and flexor carpi radiali		
D. Radial nerve and extensor carpi radia	Alis	
54. Negative pressure in closed suctioning		
	C100cmH20 D300cmH20	
	e manual resuscitator with appropriate size of	
bag and mask is		
A. 4-6 L/min B. 6-8 L/min		
56. Most efficient breathing system during s		
A. Mapleson A B. Mapleson B		
57. Most reliable method to detect Co2 abso		
A. Colour change	B. Dissication of absorbent	
C. Inspired C02	D. At peaking	
58. Blood products can be prewarmed to a n		
A. 40 °C B. 37 °C	C. 44 °C D. 43 °C	
59. All are true except		
A. lubrication of cuff for oral intubation		
B. lubrication of entire length of tube for	nasal intubation	
C. cuff to be inflated atleast for 1 min to	check for leak	
D. high pressure low volume cuff may be	e better than low pressure high volume cuff to	
decrease aspiration		
60. Appropriate size of endotracheal tube fo	r a 8 year old child planned for an elective	
procedure		
A. 5.5 mm ID B. 6.5 mm II	C. 6 mm ID D. 5 mm ID	
61. Drager D vapor is used for		
A. Desflurane B. Isoflurane	C. Sevoflurane D. All of the above	i.
52. Diameter of the plastic disposable tapers	(connectors) within a breathing system is	
A. 30 mm B. 22mm	C. 15mm D. 18mm	
63. Tug test is performed to test leak in	*	
A. High pressure system	B. Intermediate pressure system	
C. Low pressure system	D. All of the above	

64. Vagolytic dose o	fatropine			
A. 0.04mg/kg	B. 0.01mg/kg			D. 0.4mg/kg
65. Waste disposal f	or sharps needle blade	es should be into		
A. Red	B. White transluc	cent C. Blu	ıe	D. Yellow
66. Cuff volume requ	iired for a size 3 LMA i	S		
A. 7ml	B. 10 ml	C. 15 ml	D.	20 ml
67. What is the rate	of flow of crystalloid w	ithout pressure	(on gravity)	through a 20G
A. 38-42ml/min	B. 55-62ml/mir	n C. 103-12	6ml/min	D. 69-81ml/mir
68. Anatomical wast	es are disposed into			
A. Red	B. Translucent	C. Blu	e	D. Yellow
69. Induction agent i	n daycare surgery?			
A. Ketamine	B. Propofol	C. Thiopento	ne sodium	D. Etomidate
70. Which of the follo	owing inhalational age	nt is contraindic	ated in a pa	tient with history of
epilepsy?				
A. Isoflurane	B. Enflurane	C. Halothane	D. S	Sevoflurane
71. The Pin Index Co	de of Nitrous oxide is?			
A. 2, 5	B. 1,5	C. 3, 5	D. 2	2, 6
72. Pin Index system	is a safety feature ado	pted in anaesthe	sia machine	es to prevent?
A. Incorrect attac	hment of anaesthesia	machines		
B. Incorrect attac	hment of anaesthesia	face masks		
C. Incorrect inhal	ation agent delivery			
D. Incorrect gas c	ylinder attachment			
73. Laryngeal Mask A	irway (LMA) is used for	or?		
A. Maintenance o	f the airway	B. Fac	ilitating lary	ngeal surgery
C. Prevention of a	spiration	D. Ren	noving oral	secretions
74. Capnography basi	cally monitors?			
A. Central Venous	Pressure	B. Blood pres	sure during	anaesthesia
C. Concentration	of exhaled CO ₂	D. Concentrat	ion of inhal	ed CO ₂
75. Which of the follo	wing is not a definitive	e airway?		
A. Tracheostomy		B. Orotrachea	l tube	
C. Nasotracheal tu	ıbe	D. Laryngeal	mask airwa	y
76. The following mod	des of ventilation may	be used for wea	ning off pati	ients from
mechanical ventila	ation except:			
A. Controlled Mec	hanical ventilation (CN	MV)		
B. Synchronized in	ntermittent mandatory	y ventilation (SII	MV)	
C. Pressure suppo	rt ventilation (PSV)			
D. Assist-control v	ventilation (ACV)			
7. The following ana	esthetic drug causes pa	ain on intraveno	us administ	cration:
A. Midazolam	B. Propofol	C. Ketamine	D. T	hiopentone sodium

- 78. When are most regional anesthesia procedures (epidurals, peripheral nerve blocks, etc.) performed on children?
 - A. In the preoperative area with the patient sedated
 - B. In the OR with patient sedated
 - C. In the OR with the patient under general anesthesia
 - D. In the postanesthesia care unit (PACU) with the patient sedated
- 79. In close circuit APL valve is located:
 - A. Between Soda lime and fresh gas inlet
 - B. In the inspiratory corrugated tube
 - C. Between expiratory valve and Y connection
 - D. Between expiratory valve and soda lime
- 80. The most appropriate circuit for ventilating spontaneously breathing infant during anaesthesia
 - A. Jackson Rees modification of Ayre T piece
 - B. Mapleson A or Magill's circuit
 - C. Mapleson C or Waters' to and fro canister
 - D. Bain circuit

TECH ASST(ANAESTHESIA) - A -ANSWER KEY (09/08/2017)

A

В

В

A

В

D

A

D

В

В

C

D

A

C

D

A

В

C

D

A

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