

#### **GOLD STANDRD OF MD/MS & FCPS**

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Discussion Group: https://t.me/joinchat/O3CE908hoFz1gM9no9Gndw





### Errata:



- ✓ Join Fcps-1 online preparation classes (Live Classes) and clear exam in 1<sup>st</sup> attempt
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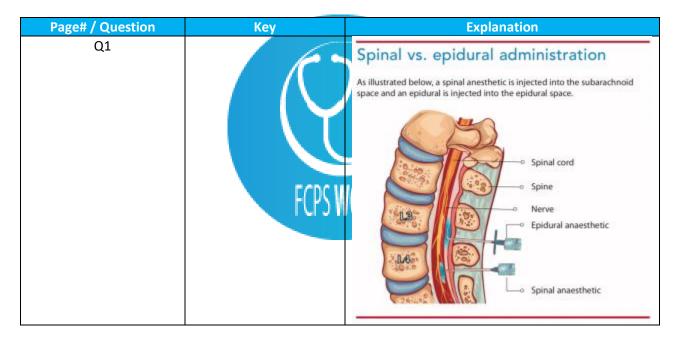
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Page# / Question	Кеу	Explanation
Page 285 – Q 14	С	
Q18	FRC vol	
Q23	A > B	

# **12<sup>TH</sup> Feb 2014**



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		spinal cord dura mater epidural space  Subarachnoid space with spinal fluid Epidural la esthetic  Spinal anaesthetic  In epidural anesthesia dura matter is no pierced
Q10	Key is correct	
Q15		Na+ retention > ↑ immunosuppression by dexamethasone
Q34	A FCDC II	IANIA
Q54	A+B	IUKLU
Q56		antiepileptics stopped and patient should be fits
		free for 2 years
Q60	С	
Q69	Α	(gate control theory of pain)
Q71	KEY IS CORRECT	

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# Page 105 September 2019

Page# / Question	Кеу	Explanation
Q.2		HIV patient floor: 1% hypochlorite, instruments: 2% glutraldehyde
Q.12	A CO	Micturation centre= pons, micturition reflex= sacral spinal cord, micturition inhibited= midbrain, voluntary control= pudendal nerve, loss of pain sensation= sympathetic cut, atonic bladder= parasympathetic cut which leads to overflow dribbling
Q.13	FCPS WORLD	parathyroid gland arterial supply
Q.14	В	
Q.15	poor recall	Ref. first aid Oxygenated blood coming from IVC goes to RA and is shunted to LA through fossa ovale thus left heart is more oxygenated than right heart, IVC has more oxygenated blood than SVC
Q.17	key correct	max carbs in rice>wheat, .highest mineral content= soyabean, .lowest mineral=tubers

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Q.20	D	
Q.27	. key correct	phase 2 block occurs after repeated doses or prolonged infusion of succinylcholine (Ref. morgan, muscular blockade chapter)
Q.31		Rifampin> INH (group discussion)
Q.32	С	(group discussion)
Q.40	С	by lacrimal nerve the smallest branch of ophthalmic div of trigeminal nerve
Q52		antidote of paracetamol
Q.53	FCPS WORLD	A Micturation centre= pons, micturition reflex= sacral spinal cord, micturition inhibited= midbrain, voluntary control= pudendal nerve, loss of pain sensation= sympathetic cut, atonic bladder= parasympathetic cut which leads to overflow dribbling
Q.54	С	if specified for UTI pseudomonas then ciprofloxacin Pseudomonas most sensitive to? Ceftazidime>gentamicin(Ref. koda kimble & young's applied therapeutics) ref given in asad ali post on FB group In the given options ticarcillin is the answer

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Q.55	В	
Q.65		Hypothalamus
Q.70		half life 2min, steady state 9min
Q.74		early= type 3, delayed/strong=
		type 1
Q.84	A	
Q.85	С	
Q.86	В	
Q.87	poor recall	Crossed lesion= brainstem
		Uncrossed lesion= internal
		capsule/ forebrain
Q.88	В	anterior surface of heart is RV
Q.89	C	

# Page 110 april 2019

#### ECDC WARLE

Page# / Question	Кеу	Explanation
Q.3		right lateral
Q.15	D	
Q.26		deviation of mouth towards left
Q.36		activated in lungs= angiotensin  1, converted in lungs= angiotensin 2 (group discussion)
Q.38	A	all sensations from fingertips are carried by A beta except fast pain which is carried by A delta
Q.39	controversial	According to references, for rate

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		control of AFib beta
		blocker>CCBs, and for rhythym
		control Amiodarone, and if there
		is structural heart disease or
		heart failure along with A fib
		then Digoxin
		But many seniors say that at our
		level DOC for A fib is Digoxin
Q.43		immediate- FFPs, late= vitamin k
Q.49		poor recall
Q.51		to be more accurate
		0.8g/kg/day approx.
		1g/kg/day
Q.57		o+ 38%, o- 7% total o= 45 to
		<b>47% (</b> there is another MCQ in
	( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	which o positive % is asked)
		Source : google
Q.58	ECDC WARLD	A>C, for children= penicillin
Q.67	A>B (') WUKLU	
Q.68	В	don't confuse yourself with
		atropine, most probably its poor
		recall and such options don't
		come in exam
Q.71		onset 30 to 45 min , peak 1 to 3
		hours (Ref. table in chapter
		name <u>adjuncts</u> in Morgan)
Q.80		damage to
Q.81		cerebellum A
Q.82	A	
Q.85		act = cut
Q.89	fluid replacement	(Ref. morgan perioperative Care,

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		3 ml ringer lactate for 1ml blood loss) just remember this line do
		not confuse yourself with
		different blood loss
		classifications, Dr. KIM simplified
		it in this way that, roughly upto
		20 to 30% of blood loss this 3 ml
		for 1ml blood loss formula
		should be applied ie 3times R/L
		but if in options there is simple
		ringer and 3times N/S is given
		then prefer 3 time N/S and if no
		3times mentioned in any of the
		options neither with ringer nor
		normal saline then again ringer
		should be preferred, however
		this question appeared in my
		exam and 3 times ringer was
		given in the options)
0.00		
Q.90		intercostal
Q.95	ECDC WADED	pasteurization> ethylene oxide
	FCPS WORLD	(Ref. comprehensive respiratory
		therapist exam review 5 <sup>th</sup> ed) ref
		given by Dr. KIM
Q.104	A	dicumrol (life warfarin)
Q.105	D	(group discussion)
Q.106		PTH ( group discussion)
Q.115		<u>A</u> artery of pleura = which pleura

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# <u>Page 118 20<sup>th</sup> feb 2019</u>

Page# / Question	Key	Explanation
Q.1	С	
Q.2	Α	
Q.9	С	
Q.13	A	poor recall
Q.18	A>B	not sure kindly confirm
Q.46	В	
Q.44		key correct igM
Q.48		
Q.52		if cardiovascular stability needed
		such as in aortic aneurysm repair
	<b>1 Y Y</b>	or IHD CHF the prefer etomidate
Q.61	A	
Q.64	A	epinephrine
Q.82	В	key correct
Q.89	D ECDC MINDIN	
Q.104	D I CI J II VILLU	
Q.115	С	
Q.119	effected = effective	
Q.120	D	
Q.125	key correct	Desmin protein made by
		muscle
		Vimentin fibroblast
		intermediate filament
		Keratin epithelial
		malignancy
		(group discussion)

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Q.131		primary exposureigM
		Secondary/pre exposed antibody
		igG
		Ref. First Aid
Q.132	A	
Q.135	C	Hypernatremia, hypokalemia,
		hypocalcemia, hypomagnesemia,
		volume expansion, metabolic
		alkalosis
Q.138	A	
Q.153		act = in
		Phenobarbitone or thiopentone
		is contraindicated in acute
		intermittent porphyria but it can
		be given in porphyria cutanea
		tarda ( Ref. Ajay Yadev
Q.154	в	, , , ,
Q.156		cephalosporin >penicillin, for
		children= penicillin
Q.158	D	
Q.160	B FCDC IMADED	
Q.164	B LCLO MOKIN	REM=ach, NREM=serotonin
Q.165	Α	carbs50-60, lipids25-30,
		protein10-20%
Q.171		<del>hyper</del> = hypo
Q.173	A	Pneumotaxic center ( upper
		pons) it inhibit inspiration,
		regulate inspiratory volume an
		resp rate
		Apneustic (upper pons) prolongs
		inspiratory gasp
Q.181	А	caused by paracetamol,

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	progression by diuretics, contraindicated in liver disease= pentazocine
Q.186	for deliberate hypotension nitroglycerine is used

# Page 131 march 07 2018 paper 1

Page# / Question	Key	Explanation
Q.2	B	
Q.7	C+A	
Q.11		middle plus upper drains to superior pulmonary vein, and lower drains to inferior pulmonary vein
Q.12	A FCDC WADED	
Q.14	poor recall (*) WUNLU	Heat production in excess of resting heat during contraction= initial heat Heat before contraction=activating heat Heat during contraction= shortening heat (Ref. guyton) just type initial heat on FB group and you can find different questions related to heat there
Q.22		Hypotension/pseudomonas producing shock endotoxin

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		Bleeding/ bruise/ diarrhea/ food poisoning/shigella/staph food poisoning enterotoxin Toxic shock syndrome erythrogenic toxin> exotoxin Streptococcal toxic shock syndrome erhythrogenic (first aid) or pyogenic exotoxin (Davidson) (group discussion)
Q.30	poor recall (Oo)	Source of PE or site where that thrombus developed femoral vein Site of DVT popliteal artery>femoral Site of PE in lungs pulmonary artery
Q.41	ECDC WARLD	Increased capillary oncotic pressure (group discussion)
Q.46	FCPS WUKLD	prime action reduction in glucose level or increased utilization by tissues Immediate action potassium entry into cells Intermediate action protein synthesis Delayed action lipogenesis
Q.58	Α	
Q.93	Α	

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# Page 136 07march 2018 paper 2

Page# / Question	Кеу	Explanation
Q.5	С	
Q.30		Tube/laminar flow/slow rateflow depends upon viscosity and poiseulles law is applied Orifice/turbulent flow/ high rate/ constriction/ flow depends upon density and graham's law for turbulent flow is applied
Q.38	В	
Q.46		cephalosporin> penicillin, for children penicillin
Q.58	c	
	Page 139 may 2018	
Page# / Question	Кеу	Explanation
Q.2		multination = myelination
Q.3		multination = myelination
Q.4		250ml/min
Q.7		shrink, swell then lyse (group discussion)
Q8		controversial Majority says its short neck But some say its due to

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		angulation
Q.10		intermitochondrial membrane
Q.17	В	controversial but according to
		references and discussion with
		seniors I think pethidine is the
		answer
Q.29		glycopyrrolate is quaternary
		amine and it doesn't cross BBB
		thus no CNS S/E
Q.39		S1 root
Q.41	A	
Q.57		Source of PE or site where that
		thrombus developed femoral
		vein
		Site of DVT popliteal
		artery>femoral
	I Y Y	Site of PE in lungs pulmonary
		artery
Q61		Increased capillary oncotic
Q01	FCCCWARLE	pressure (group discussion)
	FCPS WORLD	pressure (group discussion)
Q.84		bisoprolol> metoprolol
Q.93		1% hypochlorite
Q.111	В	
Q.118	В	
Q.142		vecuronium
Q.144	В	Sequence
		Intravenous/ intra-arterial>
		tracheal> intercostal >
		paracervical> epidural> brachial>
		sciatic> subcutaneous (Ref. local
		anesthetics Morgan 5 <sup>th</sup> edition)

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#### Page 148 5<sup>th</sup> September 2018

Page# / Question	Кеу	Explanation
Q.3		( read this topic in detail from baha al sheikh or equipment in anesthesia and critical care, as it is a repeated tested topic of cpsp) S
Q.5	В	key correct (its pressure of oxygen)
Q.33	С	
Q.35	A	
Q.74	A	
Q.82	^ ( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(upper border of rib and lower border of Intercostal space)
Q.93	A	
Q.96		transverse= traverseS
Q.114	FCPS WORLD	depends upon whole scenario (If there is history of burn in sibling and he died under GA then it should be hyperkalemia, but if they say there is family history of death under GA then its malignant hyperthermia)
Q.147		C>A
Q.154	A	
Q.149	A	
Q.163		controversial According to Ref given by asad ali in fb group its morphine

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Q.164		controversial According to different references its <b>pethidine</b> (choose whatever seems correct to you)
Q.170	В	
Q.172	В	
Q.174	С	
Q.180	E	
Q.190	В	
Q.196	В	

# Page 159 november 2018

Page# / Question	Кеу	Explanation
Q1	ECDS MINDIN	( half life is 3 to 5 hours approx. 200min)
Q7	A I CI J WUNLD	
Q8	Α	
Q.13	В	
Q.18	A	
Q.19	A	
Q.59	С	
Q.60	Α	multiplied= substracted
Q.62	С	
Q.63		common hepatic> right hepatic
Q. 66		0.7 ( read this topic from smith
		or morgan)
Q.67	A	

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Q.68	A	
Q.69	Α	
Q.75	Α	
Q.80	Α	
Q.83		<del>closed=</del> opened 8mmHg
Q.84	B+C	
Q.87		septic shock
Q.91	В	
Q.92	В	poor recall
Q.100	В	
Q.105	В	
Q.112	В	
Q120	В	
Q.130		isovolumetric relaxation comes after
Q.140		controversial but majority says short neck
Q.142	A	
Q.152	B ECDCIMADIA	
Q.154	TOTSTIONED	prime action reduction in glucose level or increased utilization by tissues Immediate action potassium entry into cells Intermediate action protein synthesis Delayed action lipogenesis
Q.163	Α	
Q.173	Α	
Q.174	B+A	
Q.177	Α	

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Q.176	В	
Q.179	С	

# Page 170 march 2017

Page# / Question	Кеу	Explanation
Q.1		Golgicomplex
Q.2	В	
Q.3	C>B	
Q.9	A	
Q.17	D	
Q.19		FiO2 should be less than 0.5 and safe range is 0.35 to 0.45 (ref given by someone on fb group and its also written in morgan)
Q.24	С	
Q.24	В	
Q.28	A	
Q.50	В	
Q.52	D>A FULLINARIN	
Q.66	c I CI 3 II VIIIED	
Q.81	D	
Q.85	D	
Q.93		1% hypochlorite
Q.96		morphine fentanyl cause early respiratory depression ( ref given by asad ali on fb group)
Q.110	С	( total vol 1590L , pressure remains same till 400L after that it gradually drops, when the last drop of nitrous oxide liquid evaporates the tank is approx

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		16% full. The pressure fall will
		depend upon size of tank and
		rate of flow)
		Search "mapleson D" in fcps
		anesthesia group and you will
		find this original question in
		comment section
Q.114	С	
Q.118	С	
Q.119	A	
Q.141		ADH V1 IP3
		ADH V2 cAMP
Q.142	B>A	
Q.147	FCOCHIODID CONTRACTOR OF THE PARTY OF THE PA	cylinder contains almost 600L of oxygen if it is providing gas at 10L/min then 600 divided by 10=60min there is a table given in morgan in 2nd chapter in which volume and pressures of different cylinders are written
Q.148	LCL2 MOKED	<del>cartilage-</del> = collagen
Q.151	С	C PR interval
Q.152		rifampin> INH
Q.153		cisatracurium > succinylcholine
		(cisatracurium release no
		histamine, succinylcholine
		release some histamine but it
		can be safely used in asthmatics)
		Ref. morgan muscular blockade
		chapter
Q.154	D	( brain can use ketones but RBCs
		can't)

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# Page 180 3<sup>rd</sup> may 2017 morning

Page# / Question	Кеу	Explanation
Q.9	С	
Q.11	D	
Q14	D	
Q.20	B+C	
Q.23	В	
Q.26		Permanent coma thalamus
		Deep coma locus ceruleus
		(group discussion)
Q.28	A	
Q.49	C /	
Q.53	A	
Q.55	A	
Q.59	С	
Q.66	D	dark skin don't give wrong
'		reading in capnography but nail
	ECOCUMANDA	varnish can give wrong reading
Q.79	c FLN/M()KII)	
Q.82	В	
Q.89		It has shortest half life but its
		level return back to normal
		quickly and is present when rest
		of factors are not present
Q.93	D	
Q.100	В	
Q.103	С	
Q.106	D	
Q.107	D	v/q reduced to zero shunting
		v/q increases to infinity dead
		space

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		so here answer should be dead space or none of above
Q.111	В	

# Page 189 06 september 2017

Page# / Question	Кеу	Explanation
Q.2 Q.16	C	ref. Kaplan (gen pharmacologyS
Q.17	FCPS WORLD	Alveolar ventilation= (tidal vol – vol of distribution) multiply Respiratory Rate A= (350-100) multiply 18 =250 multiply 18 = 4500ml =4.5L
Q.19		In upper most part both ventilation and perfusion is reduced Perfusion is more decreased as compared to ventilation so v/q increases thus dead spacing
Q.26	В	
Q.29	В	
Q.37	A	Male 60%, female 50%, neonate 70% (google)

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Q.39		RBCs shrink swell and then lyse (Dr. Atif/ Dr. Amanullah)
Q.43	В	
Q.45	В	
Q.49	В	
Q.53	В	
Q.55	A	
Q.62	С	
Q.65		Above clavicle C3, below clavicle C4 (first aid ref. given in group discussion)
Q.72	(C)	mnemonic  1yr C_ capitulum  3yr R_ radius  5yr I_ internal/medial epicondyle  7yr T_ trochlea  9yr O_ olecranon  11yr L_ lateral epicondyle
Q.87	P. FCDC WADED	
Q.95	poor recall (All of above)	
Q.108	Α	
Q.114	Α	
Q.120	E	(factor 2, AT3, protein S)
Q.124	С	(lente, semilente, glargine long acting), NPH_ intermediate acting, ultralente_ longest
Q.130		remember! Orthostatic
		hypotension or dizziness is the S/E not only hypotension
Q.139	A	(child) do confirm it by seniors
Q.141	В	

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Q.142	В	
Q.143	Α	
Q.145		B and most potent is thioridazine (group discussion)
Q.151	С	
Q.161	1% hypochlorite	
Q.165		key correct but the unit is psi instead of kpa Hospital pipeline 50psi Machine 45psi (ref. morgan)
Q.167	В	
Q.168	В	
Q.160	key correct O	Potency/MAC oil/gas partition coefficient Speed of induction and recovery blood/gas partition coefficient
Q.173	key correct	it is the most potent anticonvulsant
Q.177	key correcting IMADID	
Q.178	key correct 1) II UIL U	
Q.186	A	
Q.189	key correct	
Q.190	A	

### Page 204 nov 2017

Page# / Question	Кеу	Explanation
Q.2	С	
Q.3		bisoprolol>metoprolol

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Q.5	key correct	Nissle granules synthetizes proteins
		Highest in RER, absent in aon
		hillock
Q.26	key correct	
Q.30	key correct	NIOSH safe levels 25ppm of NO
		2ppm Halothane
		0.5ppm Halothane if NO is being
		simultaneously used (ref morgan)
		(rei morgan)
Q.33	В	
Q.42	key correct	All others induce p450 but
		valproic acid inhibit p450
Q.49	poor recall	Pasturization> ethylene oxide
Q.57	В	
Q.59	key correct	
Q.62 Q.66	C FCDC WADED	
Q.68	key correct 1) WULL	More pka slower onset
Q.08	key correctly in online	More lipid soluble more
		potent more toxic
		More protein bound more
		duration of action
		_
Q.71	С	
Q.73	key correct(Jejunum)	But more water loss and
		electrolytes imbalance occurs
		due to ileal resection (its another
		mcq)
Q.78	В	
Q.85	450	

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Q.88	D>A> procainamide	
Q.94	С	as it is 0.02%
Q.95	В	
Q.100	С	
Q.104	key correct	
Q.113	B+A	
Q.114	С	or subglottis
Q.128	В	(biphasic when given repeated doses, its another mcq)
Q.127	poor recall	Ref. first aid Oxygenated blood coming from IVC goes to RA and is shunted to LA through fossa ovale thus left heart is more oxygenated than right heart, IVC has more oxygenated blood than SVC
Q.132	key correct	RR increases so CO2 decreases
Q.140	FCPS WORLD	amiodarone for VT Digoxin for A fib Adenosine for SVT
Q.144	A+C	
Q.157	A+C	correct, B wrong
Q.168	С	
Q.171	key correct	Staging invasion/extent of spread/ most important factor for malignancy Grading_ differentiation/ degree of anaplasia

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# Page 216 september 2016 paper1

Page# / Question	Кеу	Explanation
Q.12		digoxin toxicity is caused by hypokalemia Digoxin toxicity causes hyperkalemia
Q.13	CO FCPS WORLD	Humidity convection ETT/ breathing evaporation Through surface/contact/ patient lying on table heat loss through table conduction Through skin ie without toughing any surface radiation In uncovered in OT (radiation+ conduction) Maximum heat loss conduction How can the heat losses be minimized during surgery by humidifying inspired air Blood is warmed at 37'C to promote L to R shift and to prevent R to L shift (as R shift cause easy O2 unloading in tissues)
Q.18		1% hypochlorite
Q.24	В	( if written athlete then SV or CO is increased on <b>rest</b> )
Q.26	А	Aldosterone causes secretion of K+ and H+ while reabsorption of Na+

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Q.27	key correct	Heme to hemopexin Hemoglobin to haptoglobin
Q.53	A	Chin to sternal notch/ anterior triangle C2 to c3 Inferior to clavicle to manubrium C3 to C4 Occipital area C1
Q.57		Iorazepam
Q.60		. by 1 minute apnea conscious patient 6mmHg of CO2 raised In anesthetized patient 10 to 12mmHg of CO2 raised
Q.66	c	
Q.68		seems to be more closer option
Q.78	C	
Q.87	A+C	
Q.88	<b>FCPS WORLD</b>	

### Page 221 november 2016

Page# / Question	Кеу	Explanation
Q.7	(8 to 9)	
Q.9	key correct	
Q.10	A Ref given by asad ali on fb group Buprenorphine is partial agonist	

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	and act as antagonist in presence of full agonist, so it will precipitate withdrawal but only in relatively high dose Otherwise naloxone will be the	
	answer	
Q.11	В	
Q.18	poor recall	Dopamine converted to nor epinephrine by dopamine beta hydroxylase Nor epinephrine is converted to epinephrine by PNMT phenyl etholamine N-methyltransferase
Q.23	pansystolic	
Q.25	bupivacaine safe dose with epinephrine 225mg Without epinephrine 150mg 26. key correct Zero twitch 100% block 1 twitch 90% block 2 twitches 80% block 3 twitches 75% block 4 twitches 60 to 70% block	
Q.27	Α	
Q.29	2.7exactly	
Q.33	1 <sup>st</sup> order elimination	Half life is constant Rate of elimination is directly proportional to plasma level, higher the amount present more rapid will be the elimination Eg. a drug having half life of 1hour, 100mg in plasma reduces to 50mg in 1 hour (so 50mg is eliminated) while in next

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		half life 1 hour 50mg will be reduced to 25mg (so only 25mg is eliminated) Thus higher the dose, greater will be the rate of elimination
Q.36	A	
Q.39	A	
Q.43		terbutaline Causes hypoglycemia in fetus and Maternal hyperglycemia and hypokalemia
Q.47	C	
Q.48		Most sensitive to ceftazidime> gentamycin In UTI ciprofloxacin Not used for pseudomonas vancomycin
Q.50	B FORCHMANIN	
Q.51	controversial B?	
Q.30	С	
Q.62	Α	
Q.68	С	
Q.70	В	
Q.83	D	Length 4-5cm Infront of C4,C5,C6
Q.85	D	

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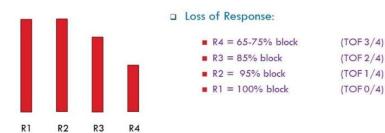
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### **TOF** Interpretation

#### Train of Four Response (R)



# Page 226 may 09 2016 morning paper 1

Page# / Question	Кеу	Explanation
Q.3	key correct	(CRITOL mnemonic)
Q.4	B I CI J WUNLLD	
Q.21	D	Midclavicular line visceral pleura6th ICS parietal pleura8th ICS Midaxillary line visceral pleura8th ICS parietal pleura10th ICS Paravertebral line visceral pleura10th ICS parietal pleura12th ICS
Q.29	В	
Q.32	glutathione> vit E> vit C> vit A	

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Q.36	A+B	
Q.39	В	
Q.42	В	
Q.60	what doesn't decrease	
Q.62	key correct	
Q.68	A	(old age) Lung compliance increases, VC decreases, TLC same, residual vol increases
Q.69	A+B	
Q.70	A	

# Page 232 morning 9<sup>th</sup> may 2016

Page# / Question	Кеу	Explanation
Q.7	^ <b>U</b>	(lateral pterygoid prevent TMJ dislocation)
Q.12	key correct	
Q.13	B F(P\W()R(I)	
Q.22	В	
Q.29	key correct	
Q.30	В	
Q.33	В	(different answers by different seniors but I will stick with R/L)
Q.35	A	
Q.40	A key correct	(memorize all the factors which increase or decrease dead space) Tracheostomy decreases dead space
Q.48	Α	pO2 = (ATM-H2O) multiply

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		FiO2(oxygen) pO2 = (450-47) multiply 0.21 pO2 = 403 multiply 0.21 pO2 = 84.6
Q66	mmHg units	
Q.68	В	
Q.81	controversial	
Q.82	A (leptin)	
Q.86	key correct	Sevoflurane 160 Isoflurane 240 Halothane 243 Desflurane 681 (ref Morgan)
Q.90	C	
Q.94	B+A	
Q.96	key correct	Procaine can be used for MH susceptible patients
Q.97	A FCDS WORLD	(succinylcholine0.5min> rocuronium1.5min)

# Page 238 april 2016 paper 2

Page# / Question	Кеу	Explanation
Q.10	В	mnemonic for sequence KG-LUC (hypokalemia>hyperglycemia>hy perlipidemia>hyperuricemia>hy percalcemia)
Q.16	key correct	there are 3 types of O cylinders Polargraphic (Clarke electrode)

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		Galvanic fluid ( fuel cells)
		Paramagnetic
Q.20	Α	Longest acting doxacurium
		Shortest acting
		succinylcholine> rocuronium (ref
		morgan)
Q.25	key correct	625-700L volume
		700/6L=116min approx. 114min
Q.26	A	
-		group discussion)
Q.36	В	group discussion)
Q.37	В	
Q.40	key correct RV=20-25ml/kg	
Q.44	A	
Q.45	key correct	
Q.46	<del>blood</del> = alveolar air	v/q increased decreased
		perfusion decreased gaseous
		exchange pO2 pCO2 of
	FCPS WORLD	alveolar gas remains same as
	TCF3 WUNLD	that of humidified inspired air
		v/q decreased decreased
		ventilation decreased gaseous
		exchange pO2 pCO2 of blood
		will be same as that of venous
		blood ( BRS physiology)
Q.50		regenerates glutathione (first
		aid)
Q.52	В	
Q.58	key correct	
Q.61	В	
Q.64	В	
Q.68	С	

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Q.74	key correct	(ref given by Dr. KIM on fb
		group)

# Page 243 31<sup>st</sup> December 2015

Page# / Question	Кеу	Explanation
Q.9	D	
Q.14	key correct	
Q.15	key correct	Chronically 10mmHg of pCO2 is
		raised so it is chronic Resp
		Acidosis thus it will increase
		4mEq/L, thus closest option is 3
Q.22	bisoprolol>metoprolol	
Q.42	key correct	In UMN lesion the upper half of
		the face is spared, while in LMN
		lesion half face upper + lower
	FCPS WORLD	both areas are affected
Q.46	key correct	Initially resp alkalosis (
		hyperventilation) then
		compensatory metabolic acidosis
		While in acetazolamide there is
		only metabolic acidosis
Q.56	B>C	
Q.57	key correct	Thus para central lesion will
		cause loss of sensation of lower
		limbs
	l ca col : a	
Q.57	k efflux > Cl influx	

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# **Apply Compensation**

Metabolic Acidosis	Pco <sub>2</sub> should ↓ by 1.2 mm
	for each 1 mEq ↓ plasma Hco <sub>3</sub>
Metabolic Alkalosis	Pco <sub>2</sub> should 1 by 0.6 mm
	for each 1 mEq ↑ plasma Hco <sub>3</sub>
Acute	Plasma Hco3 ↑ by 1 mEq / L
Resp.Acidosis	for each 10 mm ↑ Pco <sub>2</sub>
Chronic.	Plasma Hco3 ↑ by 4 mEq / L
Resp. Acidosis	for each 10 mm ↑ Pco <sub>2</sub>
Acute.	Plasma Hco3 ↓ by 1 mEq / L
Resp. Alkalosis	for each 10 mm ↓ Pco <sub>2</sub>
Chronic	Plasma Hco3 ↓ by 4 mEq / L
Resp Alkalosis	for each 10 mm ↓ Pco <sub>2</sub>

Question states that bicarb is increased so it is metabolic alkalosis, 0.6 pCO2 should be increased for 1mEq rise in HCO3-, so here 10mEq/L rise in HCO3 will raise 0.6 multiply 10 = 6mmHg of pCO2 so the closest option is 7

### Page 246 anesthesia FCPS 2011

Page# / Question	Кеу	Explanation
Q.1		memorize definitions of critical temperature, critical pressure, boiling temperature
Q.4	D	
Q.5	С	inhibit conversion of cAMP to

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		AMP
Q.8	key correct	t branching point the air sticks to one side thus there is un equal distribution of air in alveoli it is coanda effect Study it from gas laws pdf provided on FCPS anesthesia part 1 FB group, and give a read to my pdf of Gas Laws, I have added all the stories which I made to memorize these laws for myself "Gas Laws Made Funny by Dr. Shamail Fatima"
Q.9	$(\bigcirc \circ)$	key correct, laminar flow in a tube is directly proportional to pressure difference or inversely to viscosity
Q.19	key correct	
Q.23	FCPS WORLD	Occipital vein → posterior auricular → external juglar vein
Q.25	Etomidate	
Q.29	key correct	NSAIDs block TXA2 formation thus increase the risk of bleeding cant be given in oozing wounds while it can be given in diabetic patient having hemicolectomy
Q.35	key correct	Both IPPV and 个v/q cause 个 dead space
Q.56	В	
Q.52	В	if 3 times R/L in options then prefer that

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Q.71	key correct	Lingual <del>-nerve</del> = lingual vein
Q.73	Α	
Q.77		dibucaine> cocaine > bupivacaine
Q.78	poor recall	Suxamethonium stimulates nicotinic receptors in parasympathetic and sympathetic ganglia and muscarinic receptors in SA node of heart, can increase or decrease heart rate. Low doses can produce negative ionotropic and chronotropic effects, but higher doses usually increase heart rate and contractility and elevate circulating chatecholamines ( Ref. Morgan 6 <sup>th</sup> edition, muscular blockade chapter)
Q.79	FCPS WORLD	bradycardia ( Ref. Smith and Aitkenhead)
Q.82		key correct, both prilocaine and benzocaine causes methemoglobinemia
Q.83		12 hours
Q.89	key correct	$SpO2 \rightarrow pO2$ $100 \rightarrow 100$ $75 \rightarrow 40$ $50 \rightarrow 25$ $Spo2 90\%$ is between 75 and 100 so pO2 should also be in between them ( this is how I solved this question if you have a

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Q.90	key correct	better logic then do share it with me and others)  (>50%) (group discussion)
Q.92	,	parasympathetic → B?
Q.101	В	paradyparado.
Q.104	key correct  FCPS WORLD	Laudanosine  ☐ laudanosine is a tertiary amine  ☐ Breakdown product of atracurium and cis atracurium hofmann degradation  ☐ Toxic amount is produced when an extremely large amount of atracurium is given or patient has hepatic failure  ☐ It cause CNS excitation, precipitation of seizures and elevation of MAC  ☐ the amount of laudanosine produced by cisatracurium is much less than atracurium Ref. Morgan

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# Page 253 12<sup>th</sup> November 2014

Page# / Question	Кеу	Explanation
Q.7	С	definitive → AFB Diagnostic → PCR
		Initial → CXR
Q.22		epithelium
Q.29		CMV> hep B> hep C
Q.35	A	Premalignant lesion →
		pleomorphism
		Premalignant condition $\rightarrow \uparrow$ n/c
		Malignancy → mets > invasion >
		pleomorphism
		(group discussion)
Q.39		bar body absent in turner and
		present in klinefelter syndrome
Q.59		MHC CLASS 2
Q.64		after 24 HOURS
	ECDC MINRI N	
	I CI J WORLD	

# Page 255 FCPS Anesthesia Paper 2

Page# / Question	Кеу	Explanation
Q.32		QRS complex → PR interval

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# Page 258 17<sup>th</sup> August Anesthesia paper 1

Page# / Question	Кеу	Explanation
Q.8	С	Diseased & non diseased → case control Exposed & non exposed → cohort Study
Q.27		muscles of mastication → trigeminal ???
Q.29	В	

# Page 260 paper 2 anesthesia dec 31st 2015

Page# / Question	Кеу	Explanation
Q.1	B ECOCUMAND	12 hours
Q.3	FCPS WORLD	key correct, physostigmine CNS, neostigmine/ pyridostigmine don't cross BBB
Q.7		Mendelson or ZE syndrome
Q.17	В	
Q.19		trypsinogen

# Page 261 25<sup>th</sup> may 2010 paper 1 and 2

Page# / Question	Кеу	Explanation
Q.5		key correct, vasodialation $ ightarrow \downarrow$ preload

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Q.11		1 in kidney
Q.25		IN liver
Q.21	В	
Q.91	D	
Q.124	Ascending > Descending	
Q.154	A+C	
Q.156	В	
Q162	A	
Q.170	В	

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Page# / Question	Key	Explanation
Q.1	A	
Q.6		hypokalemia cause dig toxicity Dig toxicity causes hyperkalemia
Q.15	c FCDC WARDIN	
Q.19	c Id Hourn	
Q.24		drug to be given = caused by
Q.29	key correct	Bp increase after >1500ml blood loss  0.5 L blood loss+ 30min → heart rate slightly increases
Q.33	B+C	
Q.52		primary release → A(thyroxine)
Q.64	Α	
Q.65	A	
Q.36		ACE inhibitor

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Q.71	Α	
Q.75		the rate of pressure fall is dependent on the rate flow Ref mcgraw hill review
Q.87	1% hypochlorite	
Q.91	В	
Q.94	key correct	
Q.99	E	
Q.105		. poor recall read capnography topic from BAHA AL SHEIKH as it is repeatedly tested topic of cpsp
Q.120		poor recall 4 to 5cm length, C3 to C6
Q.121		right crus of diaphragm
Q.139	·	
61. A nitrous oxide tank contains gas of 750 psi. When the last drop of li oxide evaporates		
<ul> <li>(A) the pressure will fall rapidly</li> <li>(B) the rate of pressure fall is de the rate of flow</li> <li>(C) the pressure will begin to ris expands</li> <li>(D) the pressure will be zero</li> <li>(E) the pressure will remain at 7 the tank is empty</li> </ul>	pendent on e as the gas  65. In the area (A)	

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61. (B) When the last drop of nitrous oxide liquid evaporates, the tank is approximately 16% full. The pressure fall will depend on the size of the tank and the rate of flow. (5:622)

$$^{\circ}C = (^{\circ}F - 32) \times 5/9$$





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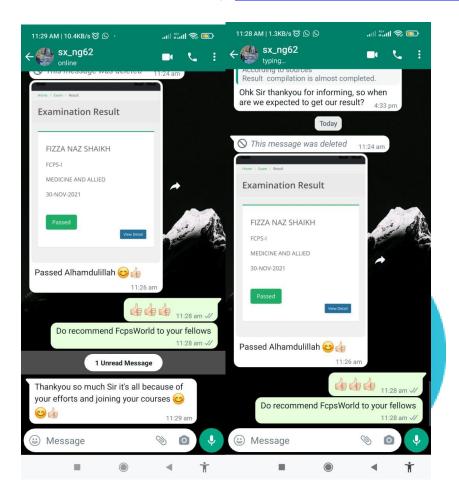


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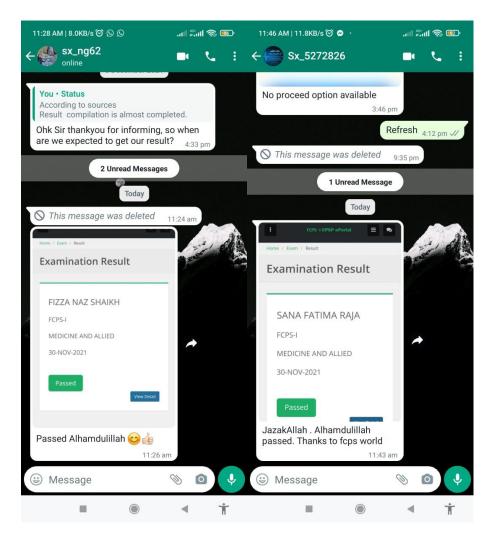


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