DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

Booklet Serial No.

002941

TEST BOOKLET - 2022 MEDICAL OFFICER

(01)

Test Booklet Series



Time Allowed: Two Hours

Maximum Marks: 100

INSTRUCTIONS

- 1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES *NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
- 2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Response Sheet. Any omission/discrepany will render the Response Sheet liable for rejection.
- 3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. DO NOT write anything else on the Test Booklet.
- 4. This Test booklet contains 100 items (questions). Each item comprises of four responses (answers). You will select the response which you want to mark on the Response sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.
- 5. You have to mark all your responses ONLY on the separate Answer/Response Sheet provided. See directions in the Response Sheet.
- **6.** All items carry equal marks.
- 7. Before you proceed to mark in the Answer/Response sheet, the response to various items in the Test Booklet you have to fill in some particulars in the Answer/Response Sheet as per instructions sent to you with your Admission Certificate.
- **8.** After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator *only the Answer/Response Sheet*. You are permitted to take away with you the Test Booklet and Candidate's Copy of the Response Sheet.
- **9.** Sheets for rough work are appended in the Test Booklet at the end.
- 10. Penalty for worng answers:

01(A)/2022

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY THE CANDIDATE IN THE WRITTEN TEST (OBJECTIVE TYPE QUESTIONS PAPERS).

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, (0.25) of the marks assigned to that question will be deducted a penalty.
- (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above for that question.
- (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be no **penalty** for that question.

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VERSION OF ALL DRIVES THE ALL DRIVES

P.T.O.

1.	Aar	on sign is		
	A)	Pain or pressure in epigastrium applied to McBurney point	m or an	terior chest with persistent firm pressure
	B)	Sharp pain created by compre iliacus	essing a	appendix between abdominal wall and
	C)	Transient abdominal wall reb	ound to	enderness (A) Proctocological (A)
	D)	Loss of abdominal tenderness	s when	abdominal wall muscles contracted
2.	Spo the	radic desmoid tumors are most	t comm	only associated with somatic mutations of
	A)	APC gene	B)	CTNNB1 gene
	C)	BRCA 1 gene	D)	Ret protooncogene
3.	and epis and peri	greenish vomiting off and on odes. On examination, the chil a palpable lump in right uppe	from de ld is de r quadrodomer	ency room with episodes of incessant crying 1 day. The child sleeps in between these hydrated with slightly distended abdomen rant of abdomen. There are no features of a revealed concentric rings within the lump. hould be:
	A)	CECT scan of the abdomen	B)	Exploratory laparotomy
	C)	Air enema	D)	Passage of flatus tube
4.	The this	fine needle aspiration cytology (suggests the result to be:	FNAC)	of a thyroid swelling is reported as 'Thy '1',
	A)	Follicular pathology	B)	Renign legion
		- omit man patriology	D)	Denign teston
	C)	Malignant lesion	D)	Non-diagnostic
5.	Afte of v	Malignant lesion er subtotal thyroidectomy on a 4	D) 8 years On indir	Non-diagnostic old female, the patient develops hoarseness rect laryngoscopy, right side vocal cord is
5.	Afte of v	Malignant lesion er subtotal thyroidectomy on a 48 oice, no dyspnoea or stridor. C	D) 8 years 9 indir 1 is sus	Non-diagnostic old female, the patient develops hoarseness rect laryngoscopy, right side vocal cord is pected?
5.	Afte of v hype	Malignant lesion er subtotal thyroidectomy on a 44 toice, no dyspnoea or stridor. Cerabducted. Which Nerve palsy	D) 8 years 9n indir y is sus ye palsy	Non-diagnostic old female, the patient develops hoarseness rect laryngoscopy, right side vocal cord is pected?
5.	Afte of v hype A)	Malignant lesion er subtotal thyroidectomy on a 48 toice, no dyspnoea or stridor. Cerabducted. Which Nerve palsy Right recurrent laryngeal nerv	D) 8 years 20n indir y is sus ye palsy 9 palsy	Non-diagnostic old female, the patient develops hoarseness rect laryngoscopy, right side vocal cord is pected?

[P.T.O.

01(A)

A 39-year-old man with a history of mild, long-standing ulcerative colitis controlled with sulfasalazine recently underwent routine colonoscopy that showed a lesion in the sigmoid colon. Pathologic evaluation reveals high-grade dysplasia. Which of the following is the best management option?						
noid colectomy, provided that the	rectu					
ctocolectomy with ileal pouch - a	nal an	astomosis (IPAA)				
al abdominal colectomy with ileor	ectal a	anastomosis (IRA)				
al proctocolectomy with Brooke is	eosto	my				
		ence and incisional hernia following I ratio of length of the wound to that				
	B)	1:2 GRCA I gene C1				
	D)	1:4				
A patient with a history of fire in house, rescued by the fire team and brought to hospital with 30 % burns with face and nose involved. Oral examination shows deposition of soot but no breathing difficulty at present. Patient was fully conscious and was admitted to ICU and was monitored and given IV fluids and adequate treatmen started. After 30 hours of admission patient started developing shortness of breath with fall in saturation, no noisy breathing present, patient couldn't maintain on oxyger mask, patient was put on non invasive ventilation. The most likely diagnosis is?						
yngeal edema	B)	Chemical pneumonitis				
piration pneumonia mel blo anev l	,	BB - 14ge BB - BB				
II >40 Abetes ive malignant disease	ontra-i	indication to living kidney donation in the second				
	ubetes ive malignant disease	ibetes ive malignant disease				

(4)

01(A)

- 11. A 55 year female presents with history of high grade fever, dysuria and oliguria since 5 days. Clinical examination shows altered mental status, respiratory rate of 28 breaths/min, blood pressure of 90/50 mm Hg and oxygen saturation of 90% at room air. All of the following are recommended to be done in the first one hour, except:
 - A) Take blood cultures and administer broad spectrum antibiotics
 - B) Measure lactate level and full blood count
 - C) Insert a central venous catheter to measure central venous pressure
 - D) Rapid administration of 30 mL/kg of crystalloid for hypotension
- 12. A 30-year-old female patient, known hypothyroid on thyroxine replacement therapy, presents with history of fever with cough and expectoration for 5 days and decreased sensorium since 2 days. On examination patient was unconscious, had cold extremities, her temperature was 34° C, PR was 56 bpm, RR was 24/mm, BP was 90/70 mm Hg and random blood glucose was 56 mg/dL. All of the following statements regarding the management of this patient are true, EXCEPT:
 - A) Empirical broad-spectrum antibiotics should be started until cultures are available
 - B) Intravenous loading dose of levothyroxine followed by daily maintenance dose of levothyroxine should be given
 - C) Cautious intravenous fluids may be given for hypotension.
 - D) Corticosteroids may be used only if blood pressure does not improve following treatment with levothyroxine and IV fluids
- 13. Identify the true statements regarding Laboratory findings in a case of meningitis:
 - A. Blood culture should be obtained before starting antibiotics
 - B. CSF should be obtained before starting antibiotics
 - C. Positivity of GeneXpert or AFB staining are needed before starting anti-tubercular drugs
 - D. CSF cytology with 1 mL of CSF is positive in more than 95% of CSF on a single examination of centrifuged CSF
 - A) A and B are true

B) A, B and C are true

C) B and C are true

D) A, B, C and D are true

- 14. A 20-year-old college student with no comorbidities presents to the emergency in a disoriented state. Patient is well-built, attends gym regularly and completed a marathon the previous day. Clinically he is unresponsive and appears dehydrated. Investigations reveal a serum urea of 84 mg%, creatinine of 3.2 mg% and a hematocrit of 44%. Urinalysis shows a specific gravity of 1.020 with dipstick (positivity for blood. There are no active sediments. Serum creatinine kinase levels are 10,500 IU/L. The clinical diagnosis is
 - A) Myoglobinuria

B) Acute glomerulonephritis

C) Acute interstitial nephritis

D) Atypical hemolytic syndrome

- 15. Which among the following chemical agents used for bioterrorism are correctly matched with their mechanism of action:
 - 1. Chlorine gas pulmonary damage
- 2. Cyanogen chloride nerve agent
- 3. Mustard gas—Asphyxiant
- 4. Sarin—nerve agent

A) 1 and 2

B) 1 and 4

C) 3 and 4

- D) 1, 2 and 4
- 16. A nurse was admitted with hepatitis. She had a history of needle stick injury around 4 months back. On evaluation, serologic tests for HBsAg, antibodies to HBsAg, and hepatitis A virus are all negative; however, blood test for 1gM core antibody is positive. This means she:
 - A) Does not have hepatitis B
 - B) Is in the late stages of hepatitis B infection
 - C) Is in the "window" (after the disappearance of HBsAg and before the appearance of anti-HBsAg)
 - D) Has hepatitis C
- 17. Given below are two statements labeled as Assertion (A) and Reason (R). In context of the two statements, which of the following is correct?

Assertion (A): Abdominal obesity is associated with higher risk of diabetes and cardiovascular disease.

Reason (R): Decrease in skeletal muscle mass and quality is associated with increased risk of insulin resistance.

- A) Both A and R are true and R is the correct explanation of A.
- B) Both A and R are true but R is not the correct explanation of A.
- C) A is true but R is false.
- D) A is false but R is true.
- **18.** A receiver operating characteristic (ROC) curve is used to asses the utility of any new diagnostic test. Which among the following statements regarding the ROC curve is NOT true?
 - A) ROC curve allows the selection of a threshold value for a test that yields the best sensitivity with the fewest false-positive tests.
 - B) The axes of the ROC curve are sensitivity versus I specificity.
 - C) The ideal ROC curve will have a value of 0.5.
 - D) The value of the ROC curve is calculated as the area under the curve generated from the truepositive rate versus the false-positive rate.



- 19. On autopsy of a young female who died due to the complications of systemic lupus erythematosus, multiple medium-sized vegetations were on both sides of the mitral and tricuspid valve. These vegetations form likely due to:
 - A) Turbulent blood flow through an incompetent mitral valve
 - B) Presence of an anticardiolipin antibody
 - C) Cachexia produced by a hypercoagulable state
 - D) Bacterial colonization of an abnormal valve
- 20. Which of the following is incorrect regarding CURB-65 score?
 - A) Confusion and blood urea >7mmol/L
 - B) Respiratory rate ≥30/min
 - C) Systolic blood pressure ≤100 mm Hg or diastolic blood pressure ≤50 mm Hg
 - D) Age ≥65 years
- 21. A 25-year-old primigravida with mitral stenosis is seen at 28 weeks. She is NYHA Class 3. She has not been on any medication for her condition in the past. On examination, she is pale, pulse 96/min, Blood pressure 100/60 mm Hg. Echocardiography ejection fraction is 30% with severe MS. All of the following are to be done EXCEPT:
 - A) Admit her in the ward
 - B) Cardiology opinion
 - C) Evaluate for anaemia
 - D) Immediate delivery
- 22. A patient at term on abdominal examination reveals head 3/5th palpable and 2 uterine contractions in 10 minutes, lasting for 30-35 seconds. On two P/V examination four hours apart with intact membranes, cervix dilates from 4 cm to 5 cm. Which of the following statements is true for this case?
 - A) The head was engaged at the time of presentation
 - B) Her cervicographical progress is satisfactory
 - C) Her cervicographical status suggests intervention
 - D) She needs immediate LSCS
- 23. Which of the following are first line treatment options for a patient with atonic PPH:
 - 1. Bimanual uterine massage
 - 2. Immediate operative intervention
 - 3. Oxytocin infusion
 - 4. Uterine tamponade

Options are:

A) 1&2

B) 1&3

C) 2 & 3

D) 2 & 4

01(A)

(7)

[P.T.O.

- 24. At 40-year of age for a P_2L_2 with bilateral chocolate cysts and severe symptoms, which is the preferred combination of treatment?
 - 1. Total hysterectomy with bilateral salpingooophorectomy
 - 2. Oral contraceptive pills
 - 3. Fulguration of endometriotic deposits
 - 4. Progesterone therapy

Options are:

A) 1&2

B) 2&3

C) 3 & 4

- D) 1&3
- 25. A 21 years old pregnant woman presented at 11 weeks with history of severe pain in lower abdomen one week back that responded to analgesics. Her ultrasound reveals avarian cyst of 6×7cm size. What is the correct advice to her?
 - A) Reassurance
 - B) Immediate surgical removal of the mass
 - C) Surgical Removal of the mass after delivery
 - D) Surgical removal at 14-16 weeks gestation.
- **26.** Match the following fetal skull diameters:

COL	LUMN-A	COLUMN-B			
a.	Occipitofrontal		1.	9.5cm	
b.	Occipitomental		2.	8.0 cm	
c.	Bitemporal		3.	11.5cm	
d.	Biparietal		4.	12.5cm	
a-3,	b-4, c-2, d-1	B)	a-1, b	o-2, c-4, d-3	
a-2,	b-3, c-1, d-4	D)	a-4, b	o-1, c-3, d-2	

- 27. A 24-year-old woman presents at 27 weeks of gestation with lower abdominal pain. She has palpable tightening every ten Minutes. Which of the following group of drugs should be prescribed for first line tocolysis?
 - A) β blockers

A)

C)

- B) Calcium channel blockers
- C) Magnesium sulfate
- D) Oxytocin receptor agonists
- 28. The most appropriate management for G₃A₂at 22 weeks of gestation with previous both 2nd trimester abortions and an ultrasound report of cervical length of 20 mm and funneling of cervix is:
 - A) Administer dinoprostone and bed rest
 - B) Administer misoprostol and bed rest
 - C) Apply Fothergill stitch
 - D) Apply McDonald stitch



29.	has hosp	just delivered and has requeste	ed con	traceptive advice prior to discharge from ded not to breast feed. At what point in the OCP?
	A)	3 weeks	B)	6 weeks
	C)	12 weeks	D)	
30.		ich of the following is INCORREC dhood vasculitis:	CT ma	tch for the clinical finding and the underlying
		COLUMN-A		COLUMN - B
	a.	Kawasaki disease	1.	Hypertension
	b.	Livedo reticularis	2.	Edema of hand and feet
	c.	IgA vasculitis	3.	Polyarteritis nodosa
	d.	Takayasu arteritis	4.	Non-palpable purpura
	A)	a-2, b-3, c-4, d-1	B)	a-2, b-4, c-3, d-1
	C)	a-1, b-2, c-3, d-4	D)	a-4, b-3, c-2, d-1
31.		clinical features of the multisyste ted to COVID-19 infection has a Kawasaki disease ANCA associated vasculitis		lammatory syndrome in children temporally close resemblance to: Polyarteritis nodosa IgA vasculitis
32.	and	short stature. Investigations revea	ıled: H	h increased frequency of urination, anemia $6-7 g\%$, BI. Urea $-22 mg/dL$, S. Creatinine the following is the most likely diagnosis?
	A)	Chronic renal failure	B)	Renal tubular acidosis
	C)	Hypothyroidism	D)	Celiac disease
33.		ich of the following is NOT a croacidosis?		n for confirmation of diagnosis of Diabetic
	A)	Blood glucose > 250 mg/dL		ii. TCG-380A STEERS TO THE
	B)	Blood pH < 7.3		Charles of CHIF-rep-Sis-ope-General
	C)	Serum bicarbonate < 15 mEq/l	L	iv Lavonorgand IUD Wheleberge following correctly mate
	D)	Blood beta hydroxy butyrate (l	воні	$(A) > 3 \text{ mmol/L}_{C_{\text{opt}}, C_{\text{eff}}, A_{\text{eff}}, A_{\text{eff}}, A_{\text{eff}}}$
				C) H, it-4, iii-3, iy-2, H,
01(2	4)		(9)	[P.T.O.

	A)	ORS: 110 ml o	ver 4 hours				e bus al erbild.	
	B) ORS: 825 ml over 4 hours							
	C)	Intravenous flu	id: Ringer lactat	e 110	ml ove	r 2 hr		
	D)	Intravenous flu	id: Isolyte-P, 82	5 ml o	ver 4 h	ours		
35.	All	of the following a	are used for mana	ageme	ent of h	yperka	alemia EXCEPT:	o doldW - N
	A)	Salbutamol		B)	Calc	ium gl	uconate	
	C)	Insulin		D)	Iprat	ropiun	n A-VIVILIE	
36.	spec	ech and difficult nds. The most pr	y in communica	ition a			estones, had histo ation. The child i	[선생] [10]
	A)		galdenieg aud.				allimitus quarras	
	B)		cit Hyperactivity	y Disc	order (ADHI))	
	C)	Mental retarda						
	D)	Specific learning	ng disability					
37.	What is the clearance of a substance in mL/min, when its concentration in plasma is 10 mg/dL, its concentration in urine is 100 mg/dL and urine flow is 2 mL/min?							
	A)	2		B)	5			
	C)	10	lgA vasculius	D)	20			
38.	A 12 month old boy presented with failure to thrive, abdominal distention, diarrhoea irritability after 6 months of age. The parents report these symptoms since the introduction of regular family diet. The most likely diagnosis is:							
	A)	Giardiasis		B)	Celi	ac dis	ease	
	C)	Pancreatitis		D)	Cyst	ic fibr	osis	
39.	Cor	Consider the pairs given below:						
	Int	ra-uterine Cont	raceptive Devi	ces		Pregnancy rate (%)		
	i.	TCu - 200				1.	1.3 - 1.6	Lagolovi
	ii.	TCu-380A				2.	0.5 - 0.8	
	iii.	Progesterone I	UD			3.	0.2	
	iv.	Levonorgestrel	IUD			4.	3	
	Wh	ich of the followi	ing correctly ma	tches a	above	pairs	Shirkeshand the	
	A)	i-1, ii-4, iii-2, i	v-3		B)	i-4,	ii-1, iii-3, iv-2	10 (0 -
	C)	i-1, ii-4, iii-3, i	iv-2		D)	i-4,	ii-2, iii-1, iv-3	
01(2	A)			(10	\			TANK
OIL	(*)			(10	,			이 아니는 이 없이 어린이 가게 하는

34. Management of a 2-year-old child weighing 11 kg with acute watery diarrhoea, who is irritable, thirsty and a reduced skin turgor should be:

40.	Arra	ange the following vaccines from	most	sensitive to heat to least sensitive to heat:
	1.	Oral Polio Vaccine		
	2.	Measles Vaccine (freeze dried)		
	3.	Inactivated Polio Vaccine		
	4.	Japanese Encephalitis Vaccine		
	A)	1, 2, 3, 4	B)	1, 3, 2, 4
	C)	1, 4, 2, 3	D)	4, 1, 2, 3
41.	with	•	ven w	ith the disease were detected and 5 persons without having the disease, 8 persons tested the test is:
	A)	65%	B)	75%
	C)	86.6%	D)	92.3%
42.		ntegrated disease surveillance pro mosis is done by Medical Officer	-	n India, which of the following type of e PHC?
	A)	Syndromic	B)	Presumptive
	C)	Confirmed	D)	Laboratory
43.	All	of the following are true regarding	g a R	andomized Control Trial (RCT) EXCEPT:
	A)	Double blinding is done to rem	ove i	nvestigator bias
	B)	Dropouts results are excluded f	rom 1	he study
	C)	Randomization is the heart of a		
	D)	1st step in RCT is drawing up a	proto	ocol
	•			
44.		ntitative assessment of Protein C		
	A)	Digestibility coefficient	B)	Biological value
	C)	Net protein utilization	D)	Nitrogen content
45.	Whi	ich of the following statements a	re tru	o for Gettler's test .
	1.	Done in cases of Sea water and		
	2.			Chloride in two chambers of heart
	3.	Concentration difference of mo		
	4.			el increase in left side of the heart
	A)	1 and 2	B)	2 and 3
	C)	3 and 4	D)	All of the above
01(A	A)		(11)	[P.T.O.

	1.	Present in injuries caused by bot	h rifle	ed and smooth bore weapon ammunition
	2.	Also known as abrasion collar a	nd cor	ntusion collar
	3.	Caused due to stretching of skin	and r	otational movement of projectile
	4.	Reddish at first and then turns re	ddish	or dark brown
	A)	l and 2	B)	2 and 3
	C)	3 and 4	D)	All of the above
47.	Stre	eaming of nuclei on histopathology	y is se	en in death due to:
	A)	Strangulation	B)	Hanging
	C)	Electrocution	D)	OPC poisoning
48.		ich of the following are matched in ment present in it?	n the c	orrect combinations of colour of bruise an
	1.	Hemosiderin	a)	Green
	2.	Bilirubin	b)	Red/Blue
	3.	Hematoidin	c)	Brown
	4.	Hemoglobin	d)	Yellow
	A)	1-a, 2-d, 3-c, 4-b	B)	1-d, 2-c, 3-a, 4-b
	C)	1-c, 2-d, 3-a, 4-b	D)	1-b, 2-d, 3-c, 4-a
49.	rape	:	in rel	ation to examination of alleged accused of
	1.	Papanicolaou's staining		
	2.	Phenolphthalein staining		
	3.	Lugol's Iodine staining		
	4.	Uhlenhuth		
	A)	1 & 2	B)	1 & 3
	C)	1 & 4	D)	1, 3 & 4
50.		ich of the following statement is n		
	A)	It is formation of alcohol in the		그게 그런 그는 그를 하다고 하게 하면 하는 사람이 하지만 하지만 하는 것이 없는 것이 없는 것이 없다.
	B)	It is seen in persons with defecti		
	C)	Intestinal Candidiasis infection		보는 사람이 있는 그 아이들 마음을 가야 되었다. 한 경기를 가장하고 있었다면 그 그 바람이다. 그런 그는 그는 그를 가장 하는 그를 하는 것이다.
	D)	In-vivo level of alcohol formation	on may	y go up to 80 mg%
51.	Mag	gistrate inquest is done in which or	f the f	2
	1.	Dowry death	2.	Death in Police Custody
	3.	Exhumation	4.	Death in psychiatry institution
	A)	1 & 2	B)	1 & 3
	C)	1, 2 & 3	D)	1, 2, 3, 4
01(2	A)		(12)	

46. Following are true for abrasion ring formed at the entry wound of firearm ammunitio injury:

	A)	Robert's Sign	B)	Deuel's halo sign	
	C)	Hegar's Sign	D)	Spalding's sign	
	•••				
53.				because of which of its following features:	
	1.	Drugs present in higher concentr	ration		
	2.	Large volume easy to collect			
	3.	Non-invasive			
	4.	No pain or discomfort while col	lectio	n	
	A)	1, 2, 3 & 4	B)	1, 2 and 3	
	C)	1 and 2	D)	None of the above	
54.	thaţ	5 year old man presents with a 10 he drinks 375 ml of rum per day. Worsakoff's psychosis.	day l Vhich	nistory of confusion. His friend mentioned of the following strongly suggest diagnosis	
	A)	Delusional beliefs			
	B)	Retrograde amnesia			
	C)	Auditory Hallucinations			
	D)	Confabulations of events			
55.				the coronary arteries EXCEPT that:	
	A)			s arises from right coronary artery	
	B)	The right coronary artery supplies			
	C)	The circumflex branch desends in			
	D)	They can be classified as function	nal en	d arteries	
56. A 30 years old female patient came to emergency with abdominal pain around the umbilicus which spread towards right lower side of abdomen with nausea and vomiting She complained of constipation, bloating and fever. The symptoms point towards one of the following conditions:					
	A)	Intestinal obstruction			
	B)	Ovarian cysts			
	C)	Acute appendicitis			
	D)	Renal calculus			
01(A)		(13)	[P.T.O.	

52. Following are the signs of intrauterine death of foetus, EXCEPT:

	A)	Mandibular		
1.	B)	Facial		
	(C)	Glossopharyngeal		
	D)	Vagus	* e .	
58.		abnormal formation and rotation ch condition can arise due to the		ral pancreatic bud results in annular pancre ormation:
	A)	Diabetes		
	B)	Pancreatic duct obstruction		
	C)	Pancreatic cancer		
*	D)	Duodenal atresia		
59.	tran	sverse diameter then the pelvis	s is clas	
	A)	Android	B)	Gynecoid
	C)	Anthropoid	D)	Platypelloid
60.	The	cardiac muscle is histological	ly chara	cterized by the following:
	A)	Single muscle cell		
	B)	Nucleus peripheral		
	C)	Intercalated discs		
	D)	Fusiform cells		
61.	All	the following types of cell juncti	ons are	found at the intercalated discs EXCEPT:
	A)	Fascia adherens		
	B)	Hemidesmosome		
	C)	Desmosome		
	D)	Macula adherens		
62.	Lym	nphatic vessels are absent in:		
02.	A)	Liver	B)	Brain
	C)	Lungs	D)	Uterus
	C)	Dungs	D)	Oterus
63.		person who is breathing heavil following is CORRECT?	y on acc	ount of vigorous aerobic exercise, which
	A)	PaCO2 increases	B)	PaCO2 decreases
	C)	PaO2 increases	D)	PaO2 decreases
01(2	4)		(14)	
OIL	~)			

57. The nerve that supplies the muscles derived from the second pharyngeal arch is:

64.	Arr	range the following ion channels provided during the process of excitations are the process of excitations and the process of excitations are the process of excitations and the process of excitations are the process o	oreser	at in skeletal muscle in order which	they are			
	1.	Acetylcholine gated ion channe		contraction coupling:				
	2.	Voltage gated calcium channel		Anhibidinun oxalate				
	3.	Voltage gated sodium channel		sedium olitate				
	<i>3</i> .	Ryanodine receptor						
		•	D)	1.0.2.4				
	A) C)	2, 1, 3, 4	B)	1, 2, 3, 4 ms more annual united that				
	C)	1, 3, 2, 4 and a grave (Fr.) diving	(ט	3, 2, 1, 4 52 18 22 20 20 20 20 20 20 20 20 20 20 20 20				
65.	Arr of 'p	ange the following events of cardia o' wave	е сус	le in order of occurrence after the o	occurrence			
	1.	First heart sound		313				
	2.	'a' wave of atrial pressure		Dic				
	3.	Rapid filling phase of ventricle		h the following hormonics given i				
	4.	'T' wave of ECG		vent morile 1919 hasons bas films				
	A)	2, 3, 1, 4	B)	2, 1, 4, 3				
	C) *	1, 2, 3, 4	D)	1, 2, 4, 3				
66.	In quiet respiration, energy is utilized maximally to perform							
	A)	Viscous resistance	B)	Elastic resistance				
	C)	Airway resistance	D)	Inertial resistance				
67.	When used for purpose of resuscitation, which of the following crystalloid is most likely to cause metabolic acidosis?							
	A)	Normal Saline	(()	a-3, b-4, c-2, d-1				
	C)	Plasmalyte	B)	Ringer Lactate				
	C)	Trasmaryte	D)	Ringer Acetate				
68.	Consider the following conditions							
	1.	Denyuration						
	2.	Alkalosis		Restriction enzyme is used to cle				
	3.	Slow flow conditions			.73			
	4.			e a destro e de a de la composición de				
	In patients with sickle cell anemia, the tendency to 'Sickle' increases with							
	A)	1, 2 and 4	B)	1, 3 and 4				
	C)	1, 2, 3, and 4	D)	3 and 4				
69.	Deat	oin magant in a suite second.	Ac. n	gridana	7.7. g ya			
UJ.	re-di	ein present in a urine sample of a issolved on boiling. The patient i	patiei s like	nt precipitated on heating to 45°C ly to be suffering from:	and then			
	A)	Multiple myeloma	B)	Nephrotic syndrome				
	C)	Acute myeloid leukemia	D)	Acute renal failure				

h

	A)	Thiamine	B)	Vitamin C
	C)	Folic acid	D)	Vitamin K
72.		ch the following hormones giver mn-II and choose the correct an		umn-I with their intracellular messenger below.
		Column-I		Column-II
	a.	Insulin		1. Cyclic GMP
	b.	Oxytocin Manufacture of the		2. Cyclic AMP
	c.	Calcitonin and Calcillation of the Calcillatio		3. Tyrosine Kinase
	d.	Atrial natriuretic		4. Phosphatidylinositols
	A)	a-1, b-2, c-3, d-4	B)	a-2, b-1, c-4, d-3
	C)	a-3, b-4, c-2, d-1	D)	a-4, b-3, c-1, d-2
		Linger Ladiste Kinger Aleefak servisi		C) Plasmäyte
73.	Foll			recombinant DNA technology EXCEPT:
	A)	DNA ligase is used to cleave th	e chim	neric DNA molecules
	B)	Restriction enzyme is used to o	eleave	DNA chains at specific location
	C)	A cDNA library comprises compin a tissue	plemer	ntary DNA copies of the population of mRNA
	D)	molecules, which can then be	furthe	
74.	Wes	stern Blotting is used for detecti		
	A)	DNA sandering from AND	2)	RNA 1 ed Lagerhod no bevloszib-ez.
	C)	Proteins outliet lease one A	D)	Urine casts Urine casts Urine casts
01(A)		(16	(A)

70. Which of the following anticoagulants should be mixed with another anticoagulant t

B)

D)

EDTA TO THE STATE OF THE STATE

Sodium fluoride

nullify cellular swelling caused by it?

Ammonium oxalate

Sodium citrate

A)

C)

- 75. A Serological test for hepatitis B on a 30 year old female shows the following profile
 - HBsAg negative
 - Anti-HBc negative
 - Anti-HBs Positive

What is the correct interpretation of this result?

- A) Immune due to hepatitis B vaccination
- B) Susceptible to Hepatitis B
- C) Acutely Infected
- D) Chronically infected
- 76. All statements of the following are False. EXCEPT:-
 - A) Cowdry type A intranuclear inclusions can be seen on histopathology of herpes virus encephalitis.
 - B) PCR lacks sensitivity and specificity for diagnosis of herpes encephalitis.
 - C) West Nile virus is restricted to African subcontinent.
 - D) Enteroviral encephalitis is most common from January to March.
- 77. A Tzanck smear of a scraping obtained from a vesicle on the skin demonstrates multinucleated giant cells. Multinucleated giant cells are associated with which of the following virus?
 - A) Herpes simplex type -2 virus
 - B) Coxsackievirus
 - C) Molluscum contagiosum
 - D) Variola major
- 78. A 50 year old female has few sharply defined annular asymetric macules or plaques with a tendency towards central clearing, elevated borders. On immunological testing her Lepromin test was positive (+++). What is the patient's disease type of leprosy based on these clinical presentation and laboratory tests?
 - A) TT, polar tuberculoid
 - B) BB, mid-borderline
 - C) BL, borderline lepromatous
 - D) LL, polar lepromatous

	C)	Reticulum and cortex		
	D)	Reticulum & medulla		
81.	Sele	ect the correct pair of true/fals	e stateme	ents
	I.	MESNA can aggravate cyclo	phospha	mide induced haemorrhagic cystitis
	II.	Carbopiatin produces more	ototoxicit	ty than cispiatin
	Ш.	Glucarpidase is a potential a	gent for 1	methotrexate induced toxicities
	IV.	Irinotecan may cause acetyle	cholinest	erase inhibition
	A)	I-F II-T III-T IV-F	B)	I-FII-FIII-TIV-T
	C)	I-TII-FIII-FIV-T	D)	I-TII-FIII-TIV-F
82.	onc			on is administered in the dose of 1000 mg IV earance half of the normal, the antibiotic
	A)	500 mg once a day	B)	1500 mg on alternate days
	C)	500 mg 8 hourly	D)	250 mg 12 hourly
83.	anti 5 da	psychotics. She developed fear	tures of spassadmin	sed with schizophrenia and started on typical pasm of face, neck and tongue muscle within istered, diphenhydramine 25 mg IM. Which whind her symptoms?
	A)	Post-synaptic DA receptor u	pregulati	on
	B)	Dopamine antagonism		
	C)	Dopamine receptor super se	nsitivity	
	D)	Anti-cholinergic action		

(18)

79. Koch's postulates were published for the time with the following bacteria:

Clostridium tetani

Bacillus anthacis

Corynebacterium diphtheriae

Combine

Salmonella typhimurium

80. Lymph nodes have two main regions: the

Cortex & medulla

Lymph and cortex

A)

B)

C)

D)

A)

B)

01(A)

84.	Abrupt withdrawal of corticosteroid (after prolonged therapy) causing acute adrenal crisis is a									
	A)	Type A ADR	B)	Type B ADR						
	C)	Type D ADR	D)	Type E ADR						
			,	- minings						
85.	Which of the following is NOT a rational Fixed Drug Combination (FDC)?									
	A)	Lignocaine + Adrenaline		sm ovi						
	B)	Furosemide + Spironolactone								
	C)	Levodopa + Carbidopa		1.						
	D)	Diclofenac + Omeprazole		A.o.D						
	ŕ			deone						
86.	A 40-year-old male was diagnosed with pulmonary tuberculosis and was started on ATT. Match the following drugs with their adverse effect									
		COLUMN-A		COLUMN-B						
	i.	Rifampicin	a.	Optic neuritis						
	ii.	Ethambutol	b.	Peripheral neuritis						
	iii.	Isoniazid	c.	Flu-like symptoms						
	iv.	Pyrazinamide	d.	Hyperuricemia						
	A)	i-a ii-c iii-b iv-d	B)	i-c ii-a iii-b iv-d						
	C)	i-b ii-d iii-a iv-c	D)	i-b ii-a iii-d iv-c						
87.	Which of the following cancer is associated with highest incidence of distant metastasis among the well differentiated thyroid carcinomas.									
	A)	Papillary Carcinoma		iv Im						
	B)	Hurthle Cell Carcinoma		dose ou						
	C)	Medullary Carcinoma		Y-0 a v						
	D)	Diffuse Sclerosing variant of p	papilla	ry carcinoma.						
88.	Treatment of choice for early onset post traumatic facial palsy is									
	A)	Facial Nerve decompression		golo ob						
	B)	High dose steroids		raiom. 5						
	C)	Facial sling operation		-2020507h						
	D)	Observation for at least two w	eeks	0357						
89.	Which of the following is not associated with CHARGE syndrome.									
	A)	Coloboma	B)	Ear abnormalities						
	C)	Choanal atresia	D)	Renal anomalies						
01(A)		(19)		[P.T.O.					

90.	Epide head	ermal Growth factor rec and neck cancers. Which	eptor (EGFR) drug, used in) overexpression is an important feat advanced tumors acts by EGFR inhib
		Cisplatin	B)	Cetuximab
	200	Pembrolizumab	D)	Paclitaxel
91	. An ir	evestigation for laryngeaght timed to the frequen	l examination cy of the pati	that involves "controlled high-speed fent's voice" is called:
	A)	Narrow Band Imaging		
	B)	Contact endoscopy		
	(C)	Stroboscopy		
	D)	Thermoglottography		
9:	to sl	eep and has been on m	edications for	with chronic nasal obstruction. She is long. The mucosa of turbinates is particular the patient one. What is most likely drug used by
	A)	Intranasal Azelastine		
	B)	Intranasal Fluticasone	Propionate	
	C)	Intranasal Mometasor	ie	
	D)	Intranasal Xylometaz	oline	
S	93. A 6	60 year old patient with ness with ruptured bulla	bullous kerat le. All are pal	copathy is complaining of pain, water liative procedures which can be done
	A)	Collagen Cross Linki	ng	
	B)	Photo therapeutic Ke	ratectomy	
	C)	Amniotic membrane	ransplantation	
	D)	Anterior lamellar ker	atoplasty	
	94. Al	l are lens induced glauco	oma except	
	A)			
	B)			
	C)			
	D)			
	01(A)			(20)

	D)	Osteogenic sarcom					
	C)	Giant cell tumour					
	B)	Chondroblastoma					
	A)	Aneurysmal bone cyst					
98.	A radiograph of the left knee of a 35-year-old man reveals a 3-cm expansile lytic lesion sited eccentrically in the epiphysis of proximal tibia. It has a well-defined non-sclerotic margin. What is the most likely diagnosis?						
	D)	Parenchymal calcification on Ultrasound and CT scanning.					
	C)	MRCP helps in defining the pancreatic ductal anatomy.					
	B)	Ductal dilatation and intraductal calculi on U	Itrasound and CT scan.				
	A)	Bulky size of pancreas	consiste				
97.	Whi	ch one of following statements is NOT correct	t for chronic pancreatitis on imaging?				
			D) Sargical exploribles				
	D)	In detecting myometrial involvement.	Digital substract Solutiong				
	C)	In showing endocervical stromal invasion.	. (A) To-99m Nuclearmean on				
	B)	In staging of endometrial cancer.					
	A)	Manager name (doosante e traktion e dans de do maser sets et le minh)					
96.	MRI is superior to CT scan in diagnosis of endometrial cancer in all Except						
			Ado				
	D)	Small incision lenticule extraction	D) Ewing's Sarcongaing				
	C)	Presbyopic lens Exchange	- C) Telangiectatic Osmogoni				
	B)	Phakic Intraocular Lens					
		Laser in situ keratomileusis					
	is th	. I exion has thin horizontal ricined septatio					

- 99. A 15-year-old male child, presented with swelling over the right shoulder since 6 months Plain radiograph of right shoulder showed expansile lytic destructive lesion arising from metaphysis of proximal humerus. Lesion has thin horizontally oriented septations without any matrix mineralization and periosteal reaction. Possible diagnosis is:
 - A) Aneurysmal bone cyst
 - B) Giant cell tumor
 - C) Telangiectatic Osteogenic sarcoma
 - D) Ewing's Sarcoma
- 100. A middle aged male patient presented to the emergency department with history of hematemesis, his vital parameters were pulse rate 120 per mm, blood pressure 100 60mm of Hg, Spo2 100%. Upper gastrointestinal endoscopy failed to identify the source of bleed. What is next best approach to identify the source of bleed?
 - A) Tc-99m Nuclear scan
 - B) CT angiography
 - C) Digital substraction angiography
 - D) Surgical exploration