SEAL

MEDICAL SCIENCES

KTM-22-XV

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

Subject Code:

2 2

Test Booklet No. :

00294

TEST BOOKLET

MEDICAL SCIENCES

Time Allowed: 2 (Two) Hours

Full Marks: 200

INSTRUCTIONS

- 1. The name of the Subject, Roll Number as mentioned in the Admission Certificate, Test Booklet No. and Subject Code shall be written legibly and correctly in the space provided on the Answer Sheet with black ball pen.
- 2. Space provided for Series in the Answer Sheet is not applicable for Optional Subject. So the space shall be left blank.
- 3. All questions carry equal marks. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet.
- 4. No candidate shall be admitted to the Examination Hall/Room 20 minutes after commencement of distribution of the paper. The Supervisor of the Examination Hall/Room will be the timekeeper and his/her decision in this regard is final.
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- 7. No candidate shall have in his/her possession inside the Examination Hall/Room any book, notebook or loose paper, except his/her Admission Certificate and other connected paper permitted by the Commission.
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No. of Questions: 100

CCE (P) -2015 MEDICAL SCIENCES

1. Klumpke's palsy involves	5. The most common cause of gastric
ST UNTIL YOU ARE ASKED TO DO SO	outlet obstruction in India is
(A) C ₆	(A) TB code : about to add a
(B) C ₇	(B) Ca stomach
(C) C ₈	(C) duodenal lymphoma
(D) T ₁	(D) peptic ulcer disease
All of the following structures are in lateral wall of cavernous sinus, except (A) oculomotor	6. A 60-year-old smoker came with a history of painless gross haematuria for one day. The most logical investigation would be
2001730	(A) urine routine
(B) trochlear	(B) plain X-ray KUB
(C) trigeminal	(C) USG KUB
(D) ophthalmic and alderlings for all sent	ovitalomi
3. The complete family size may be estimated by	7. The best prognosis factor for head injury is
(A) birthrate many solar model w moost list	(A) Glasgow Coma Scale
(B) death rate	IDI age
(C) total fertility rate	(C) mode of injury
(D) age-specific fertility rate	(D) CT
4. The most common complication in hiatus hernia is	diamentia procedure of chains?
(A) esophagitis	(A) USG
(B) aspiration pneumonia	(b) Contrast Chema
(C) volvulus	unlagg (C) CT
(D) esophageal stricture	(D) MRI

9. Epispadias is associated with	Y chromosome?
(A) bifid pubic symphysis	(A) Acrocentric
(B) chordae (B)	(B) Telocentric
(C) anal atresia hoofd (O)	(C) Submetacentric
(D) intestinal obstruction	(D) Metacentric
10. Clara cells are found in 1.00 ES	14. Portosystemic shunt is not seen in
(A) trachea	(A) liver begin leasen (A)
(B) bronchioles bellis (B)	(B) spleen bridge field (B)
(C) alveoli	(C) anorectum coldulo (D)
(D) esophagus to enoM (C)	(D) gastro-esophageal
11. The substance that does not cross the placental membrane is	15. All of the following are pneumatic bones, except
(A) IgG real lie frevord (A)	(A) maxilla J\am 006 (A)
(B) IgA steves mayorg (B)	(B) parietal 1\2m 003 (B)
anol (C) IgM analog forward (O)	(C) ethmoid Nam 00E (O)
(D) IgE mel lis lounce (C)	(D) mastoid Agencies (C)
12. In polio, contracture of the iliotibial tract leads to	16. The cycle which is absent in human is making approximately approxima
(A) hip flexion and abduction	(A) menstrual (A)
(B) varus deformity of knee	(B) ovarian convo (B)
(C) knee flexion (D)	(C) hormonal
(D) lateral rotation of tibia	(D) estrous (C)

17. Plastic syringes are sterilized by	21. Chronic carrier in Salmonella is
(A) gamma rays	(A) faecal carrier
(B) hot air oven	(B) urinary carrier of (B)
(C) autoclave	(C) blood carrier
(D) washing in phenol	(D) None of the above
18. In North India, the most common congenital lesion is	22. Oral polio vaccine is a
(A) neural tube defect	(A) live attenuated vaccine
(B) cleft palate (B)	(B) killed vaccine
(C) clubfoot munerous (C)	(C) subunit vaccine (S)
(D) congenital heart disease	(D) None of the above
19. The maximum level of chloride in drinking water is	23. The main purpose of BCG given to a child is to
(A) 600 mg/L allixem (A)	(A) prevent all forms of TB
(B) 500 mg/L laterage (E)	(B) prevent severe form of TB
(C) 300 mg/L blackles (D)	(C) prevent severe complications
(D) 200 mg/L biotesm (C)	(D) control all forms of TB
20. Which one of the following is	24. High-fibre diet
organophosphorus poison?	(A) modifies stool transit time
(A) Physostigmine (A)	(B) decreases incidences of color
(B) Dyflos	cancer deb at the left
(C) Tacrine landscorf (O)	(C) Both (A) and (B)
(D) Edrophonium	(D) None of the above

25. India was declared smallpox-free in	29. Lyme disease is caused by a
the year	
(A) 1973 Mid-Bornegod (A)	(A) virus
(A) 1975 Appending (A)	(B) mensies
(B) 1975 and How Hard (E)	
(b) 1370	(B) fungus
amul (C) 1976 of rallederes (O)	(C) 64,450 A strangton (b)
	(C) bacterium onuse (C)
(D) 1977 People Helonag (CI)	(C) Dacterium
	(D) Spirochaeta
26. The virus most commonly associated	
with viral myocarditis is	
(A) neurofibrous serimal (A)	
(A) mumps	30. pH factor is a/an
(B) rubella	(B) pyrexia
(B) rubella	
(C) lymphomatraluceum (C)	(A) antibody
(C) coxsackie B	(D) All of the above
(D) bronchogenic cystes (B) 3	(B) mucopolysaccharide
(D) hepatitis A	
38, The most common histological type	
27. Asbestos exposure causes	(C) lipoprotein
	tumpura fair in
(A) mesothelioma	MacDiaz abon VA (A)
	(D) glycoprotein
(B) tetralogy of Fallot	
(C) cerebral palsy	(C) Purkinje's fibresegg (D)
	31. KAP study in India was first used to
(D) repeated abortion	study van usluohunsv (C)
39 m Diffused Stropforded Mosent TD bear	(A) HIV HERE & SHIFT OF A SECTION OF A SECTI
28. Antigenic drift is usually seen in	AT DIE A STORTENBER ALL MAN AND AND AND ADDRESS OF THE PARTY OF THE PA
(A) amallman	
(A) smallpox	(B) malaria (A)
(B) measles	
(B) measles (B)	
(C) yellow fever	(C) family planning
(c) yellow level market (c)	
(D) influenza	(D) cancer cervix mod (C)
(2)	

32.	Isola	tion is strictly recommended for	36.		hropoietin is increased in all of following conditions, except
	(A)	mumps		(A)	hepatocellular carcinoma
	(B)	measles		(B)	renal cell carcinoma
	(C)	hepatitis A			cerebellar hemangioblastoma
	(D)	pneumonic plague		(D)	pancreatic carcinoma
33.	Pont	ine stroke is associated with all,	37.		most common tumor in the terior mediastinum is
	(A)	bilateral pinpoint pupil		(A)	neurofibroma
	(B)	pyrexia		(B)	teratoma
	(C)	vagal palsy		(C)	lymphoma
	(D)	quadriparesis		(D)	bronchogenic cyst
34.	The	speed of conduction is slowest in	38.		most common histological type hyroid carcinoma is
	(A)	AV node		(A)	medullary type
	(B)	bundle of HIS		(B)	follicular type
		Purkinje's fibres		(C)	papillary type
		ventricular myocardial fibre		(D)	anaplastic type
35.	Coba	alt is a constituent of	39.		se esophageal spasm is best gnosed by
	(A)	folic acid		(A)	endoscopy
	(B)	vitamin B ₁₂		(B)	manometry
	(C)	niacin		(C)	barium swallow
	(D)	biotin coo monto (G)		(D)	CT synaulia (G)

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40. Which of the following organelles play a pivotal role in apoptosis?	44. The molecular weight of haemoglobin is
(A) Mitochondrion	(A) 44,450 (A)
(B) Endoplasmic reticulum	(B) 54,450 dimination (d)
(C) Nucleus	(C) 64,450 demodfine (D)
(D) Golgi apparatus	(D) 74,450 AM (d)
41. Gut-associated lymphoid tissue (GALT) is primarily located in	45. DNA is denatured by
(A) lamina propria	(A) heat englygogydog (A)
(B) submucosa	(B) acid for muleose (E)
(C) muscularis mucosa	(C) alkali tugtaO (O)
(D) serosa	(D) All of the above
42. Coagulative necrosis is commonly seen in	46. Which of the following markers is specific for gastrointestinal stromal tumours (GIST)?
(A) tuberculosis	(A) CD117
(B) fungal infection	(B) CD34 (Standards)
(C) sarcoidosis	(C) CD23
(D) wet gangrene	(D) S-100
43. Chief cells of stomach are most abundant in	47. DIC is seen in which type of AML?
(A) fundus migoides (A)	(A) M1
(B) body oniayi (B)	(B) M3
(C) antrum paindle (O)	(C) M4
(D) pylorus and and (G)	(D) M6

48. The drug of choice in chronic myeloid leukaemia (CML) is	52. All of the following structures traverse through the anterior compartment of the neck, except
(A) hydroxyurea	zoishtottaohM=(A)
	(A) digestive tract
(B) imatinib (B) (B)	(B) respiratory tract
(C) infliximab (C)	(C) internal jugular vein
(D) V4,450 N7I (D)	(D) spinal cord
49. Which of the following is a non-absorbable suture?	53. Collagen of which type is found in hyaline cartilage?
(A) Polypropylene	(A) Type I
(B) Vicryl	(B) Type II
(C) Catgut	(C) Type III
(D) Polydioxanone	(D) Type IV
50. TCA cycle does not take place in	54. Peroxidase enzyme is used in estimating
(A) hepatocyte	(A) haemoglobin
(B) osteocyte	(B) ammonia
(C) neuron sscale (D)	(C) creatinine
(D) erythrocyte	(D) glucose
51. The total number of spinal segment	55. All of the following are essential amino acids, except
(A) 30	(A) methionine
(B) 31 EM (E)	(B) lysine
(C) 32 AM (O)	(C) alanine
(D) 33 OM (CI)	(D) leucine

56. The amino acid producing ammonia in kidney is	60. All of the following organs may be involved in leprosy, except
(A) glutamine (A)	(A) uterus an naibem (A)
(B) alanine slicksM (B)	(B) ovary symmetrials (B)
(C) methionine losses (O)	(C) testis byten laiber (D)
(D) glycine od Internal (C)	(D) eye astroofrostm (C)
57. The site of RBC formation in a 20-year-old healthy male is (A) flat bone	61. Which of the following is not a common site for metastatic calcification?
(B) long bone addition (B)	(A) Gastric mucosa
(C) liver augustor (D)	(B) Kidney (D)
(D) yolk sac shinageH (C)	(C) Parathyroid
58. Testosterone production is mainly contributed by	(D) Lung 62. Virchow's triad includes all, except
(A) Leydig cells	(A) injury to vein (A)
(B) Sertoli cells	(B) venous thrombosis
(C) seminiferous tubule	(C) venous stasis
(D) epididymis	(D) hypercoagulability of blood
59. Heme is converted to bilirubin mainly in	63. Thymus is located in
(A) kidney hools (A)	(A) superior mediastinum
(B) liver test labiW (E)	(B) middle mediastinum
(C) spleen miles look (3)	(C) posterior mediastinum
(D) bone marrow (d)	(D) anterior mediastinum

64.	Carpal tunnel syndrome occurs due to entrapment of	68. Which of the following attains adult size before birth?
	(A) median nerve	(A) Ear ossicle
	(B) ulnar nerve	(B) Maxilla
	(C) radial nerve	(C) Mastoid process
	(D) musculocutaneous nerve	(D) Parietal bone
65.	Conducting system of heart is a modification of	69. Which of the following vaccines is contraindicated in pregnancy?
	(A) epicardium	(A) Rubella
	(B) myocardium	(B) Diphtheria
	(C) endocardium	(C) Tetanus
	(D) None of the above	(D) Hepatitis B
66.	Which of the following is not true about juvenile rheumatoid arthritis?	70. Amoebiasis is transmitted by all of the following, except(A) cockroach
•	(A) Fever and American (A)	ains Sever let
	(B) Rheumatic nodule	(B) fecal oral transmission
	(C) Uveitis	(C) vertical transmission
	(D) Raynaud's phenomenon	(D) ororectal transmission
67.	In India, the maximum maternal mortality rate is due to	71. A patient with 14 days of fever is suspected of having typhoid fever. What investigation should be done?
	(A) anaemia	(A) Blood culture
	(B) haemorrhage	(B) Widal test
	(C) abortion	(C) Stool culture
	(D) sepsis an appearance (C)	(D) Urine culture

72.		ary receptor for human immuno-	76.		and cones are present in Olive
	defic	ciency virus (HIV) is			iris
	(A)	CD4 pyrius (ICA, Dowloseniby, (A)		(B)	retina
	(B)	CD8		(C)	lens
	(C)	CD56		(0)	
	(D)	CD3 and primadras (D)		(D)	cornea
		the following drugs are used for	77.	and the said of	is deficient in which of the
73.		ryologically tympanic membrane erived from		follo	owing nutrients?
		ectoderm		(A)	Iodine
	lottet	85. The most commonstance		(B)	Vitamin A
	(B)	mesoderm a pulitoriog		(C)	Iron
	(C)	endoderm		(D)	Phosphorus
	(D)				
74.		nstituted vaccine should be	78.		of the mediators are of acute ammation, except
	use	d within Folialarian (0)		(A)	angiotensin
	(A)	1 hour mode out to smok (C)		(B)	P4/E2
	(B)	3 hours		(C)	Kallikrein
	(C)	6 hours		(D)	C3a
		12 hours is all passess			
75.		nial nerve not carrying para-	79.		highest percentage of poly- saturated fatty acids is present
	(A)	4th		(A)	groundnut oil
	(B)	7th absolution		(B)	soybean oil
	(C)	3rd = a matters (0)		(C)	margarine 101 20 (0)
	(D)	9th islames armse (C)		(D)	palm oil

80.	Earliest symptom in acute appendicitis is	84. Carbon dioxide is primarily transported in the arterial blood as
	(A) pain (B) fever	(A) dissolved CO ₂
	(C) vomiting	(B) carbonic acid
	(D) rise in pulse rate	(C) carbamine haemoglobin
81.	All of the following nerves innervate the postquadrant of scalp, except	Sustan (D) bicarbonate sustantial SY
	(A) auriculotemporal	
	(B) great auricular	85. The most common mode of lead poisoning is
	(C) greater occipital	priobolina (Sil
	(D) lesser occipital	(A) ingestion
82.	Part of the brain which undergoes degenerative changes in parkinsonism is	(B) dermally (C) inhalation
	(A) crus cerebri	(D) None of the above
	(B) substantia nigra	
	(C) red nucleus	86. In a patient with head injury,
	(D) subthalamus	damage in the brain is aggravated by
83.	Which of the following bones is not a sutural bone?	(A) hyperglycemia
	(A) Epipteric bone	(B) hypothermia
	(B) Inca bone anadyse (B)	
	(C) OS kerkring	(C) hypocapnia
	(D) Interparietal bone	(D) serum osmolarity

87.		is a disorder of			best diagnostic method for
		purine metabolism		brea	ast lump is a munishout
		pyrimidine metabolism		(A)	USG freq fel (A)
				(B)	mammogram
	(C)	ketone metabolism		(C)	biopsy may bac (8)
	(D)	protein metabolism		(D)	FNAC Trag bill (2)
88.		the following drugs are used for naging status epilepticus, except	92.	Shoc	k is clinically best assessed by
	(A)	phenytoin		(A)	urine output
	(B)	diazepam			CVP
		thiopentone sodium			96. Champrophylaxis can be all of the following, qu
	(D)	carbamazepine		(D)	hydration
89.		etastatic carcinoma in the brain an adult most often comes from	93.	Egg has	is the ideal protein, because it
	prir	mary in the		(A)	high cholesterol
	(A)	stomach		(B)	high protein per 100 g
		ovary		(C)	no limiting amino acid
	(C)	oral cavity		(D)	high biological efficiency and NPW
	(D)	lung .001			97. Key regulator of sleep is 1
90.	Anal	fissure is best diagnosed by	94.		pathetic stimulation causes all the following, except
	(A)	anoscopy		(A)	increase in heart rate
	(B)	history and superficial clinical		(B)	increase in blood pressure
	(C)	PR examination		(C)	increase in total peripheral resistance
	(D)	USG (C)		(D)	increase in venous capacity

95. Which of the following parts of the duodenum is called duodenal cap?	98. The uveal tract consists of the following structures, except
(A) 1st part	(A) choroid
(B) 2nd part	(B) ora serrata
(C) 3rd part.	(C) ciliary body
(D) 4th part	(D) iris
96. Chemoprophylaxis can be done for all of the following, except	99. Following are the features of corticospinal involvement, except
(A) meningitis	(A) cogwheel rigidity
(B) typhoid	(B) spasticity
(C) cholera	(C) plantar extensor response
(D) diphtheria	(D) exaggerated deep tendon reflexes
97. Key regulator of sleep is located in	100. Which of the following secretions has a very high pH?
(A) hypothalamus	(A) Gastric juice
(B) thalamus	(B) Pancreatic juice
(C) putamen	(C) Bile in gallbladder
(D) limbic cortex	(D) Saliva
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