48/24

Question Booklet Alpha Code



	Question Booklet Sl. No.
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A

Total Number of Questions: 100 Time: 90 Minutes

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

- 1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C** & **D**.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
- 6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

48/24

A -2-

- 1. Which among the following regarding Angioedema is true?
 - A) It originates from superficial dermis
 - B) Acute angioedema lasts < 4 weeks
 - C) Auto antibodies are present to Ig E in around 45% patients
 - D) In cold urticaria, cryoglobulins are present in almost 50% of patients
- 2. Which among the following is false regarding Odollam Poisoning?
 - A) They belong to the group cardiac glycosides
 - B) They inhibit cardiac Na-K-ATPase membrane pump
 - C) In acute poisoning, there is hypokalemia
 - D) Cardiac pacing can be done in case of arrhythmias
- 3. Which among the following is true regarding snake bites?
 - A) Cobras belong to the family colubridae
 - B) About 25% of pit viper bites are dry bites
 - C) Rhabdomyolysis is usually seen in viper bites
 - D) Prophylactic broad spectrum antibiotics are preferred as part of treatment protocol
- 4. Which among the following is false regarding heart failure?
 - A) The 5 year survival following a diagnosis of heart failure is 25%
 - B) Beri Beri is one of the causes of high output heart failure
 - C) Abnormal excitation-contraction coupling and cross bridge interaction is an important mechanism of Ventricular remodeling
 - D) Endothelin is a natural vasoconstrictor that plays an important role in the pathogenesis of heart failure
- 5. Which of the following primary genetic disorders is not associated with Inflammatory Bowel Disease (IBD) ?
 - A) Turner's syndrome

- B) Hermansky-Pudlak syndrome
- C) Wiskott-Aldrich syndrome
- D) Noonan syndrome
- 6. Which of the following is not a risk factor for Reactivation of pulmonary Tuberculosis?
 - A) HIV infection and Diabetes
 - B) Asbestosis and Interstitial lung disease
 - C) Silicosis and IV Drug Abuse
 - D) Chronic Renal Failure and Alcohol abuse
- 7. Which among the following are major manifestations of severe Falciparum Malaria?
 - A) Cerebral Malaria
 - B) Metabolic Alkalosis
 - C) Severe microcyctic hypochromic anaemia
 - D) Hyperglycemic coma

8.	 Which is not true regarding Hemophilia? A) Inheritance is x linked recessive B) One unit of recombinant factor VIII (8) in C) Desmopressin can cause a transient intranasally D) The prevalence of inhibitors to factor 8 Hemophilia A 	crea	ase in factor 8 levels when used
9.	Which of the following organisms are not a valve endocarditis? A) Enterococci C) Coagulase negative staph.	B)	ciated with post operative prosthetic Staph. aureus HACEK organisms
10.	Which among the following is not a test sug A) Reticulocyte count C) Urine porphyrins	B)	sted for work up for anaemia ? Bone marrow study Total iron binding capacity
11.	Which among the following drug is used in tA) Flumazenil C) Lamotrigine	B)	reatment of Alzheimer's dementia ? Dabigatran Donepezil
12.	Which of the following is not seen in advan A) Hyponatremia C) Hyperkalemia	B)	heart failure ? Hypernatremia Hypokalemia
13.	In the Get up and go test to assess gait and than	bal	ance, normal performance takes less
	A) 12 seconds C) 18 seconds	,	15 seconds 21 seconds
14.	Which of the following is seen in pre renal a A) Casts in urine C) High urea: creatinine ratio	B)	te kidney injury ? High urine sodium Eosinophils in urine
15.	BODE index is used in predicting prognosis A) Cardiac failure C) COPD	B)	which among the following? Cirrhosis CVA
16.	Hypercalcemia is seen in all the following e A) Primary hyperparathyroidism C) Tertiary hyperparathyroidism	B)	ept Secondary hyperparathyroidism Vitamin D intoxication
17.	In a diabetic patient with heart failure which ar A) DPP4 inhibitor C) GLP1 agonist	B)	g the following drug will be preferred ? SGLT2 inhibitor Thiazolidinedione

18.	A 64 year old male presented with ascites 1.5g. His serum albumin is 3 gm. Which am of ascites in this patient?	•	
	A) CirrhosisC) Nephrotic syndrome	B) MalignancyD) Tuberculosis	
19.	In a 30 year old pregnant lady with SLE which will test?	ch among the following autoantibody you	
	A) Anti Sm C) Anti RNP	B) Anti histoneD) Anti Ro	
20.	During the evaluation of a patient with anaemia investigations showed elevated bilirubin, elevated LDH, elevated ferritin, low platelet count and normal reticulocyte count. What is the likely cause of anaemia?		
	A) Deficiency of ironC) Deficiency of B12	B) Deficiency of erythropoietinD) Deficiency of globin	
21.	Antiphospholipid antibody syndrome is diagnosed by the following investigations except		
	A) Lupus anticoagulantC) Antithrombin	B) β_2 glycoprotein IgG and IgM D) Anticardiolipin antibodies IgG and IgM	
22.	In monozygotic placentation conjoined two occuring after days of fertilization	·	
	A) 3 days C) 13 days	B) 4 days D) 8 days	
23.	Proteinuria in pregnancy is defined as	D) Durate in a marking in a making \$ 0.00	
	A) ≥ 400 mg in 24 hours of urineC) Dipstick of 2+	B) Protein creatinine ratio ≥ 0.3D) None of the above	
24.	The current WHO and FIGO recommenda stage of labour is	-	
		f oxytoxin in 500 ml of saline xin within one minute of delivery of the baby rgometrine as the anterior shoulder is being	
	D) None of the above		
25.	The most common position in breech present A) Right sacroanterior	entation is B) Left sacroanterior	
	C) Right occipitoanterior	D) None of the above	

A

26.	Which one is a contraindication for vacuum A) Vaginal birth after caesarean C) Prolonged second stage	B) Face presentation D) Deep transverse arrest
27.	Name the oxytoxin antagonist which is safe A) Ritodrine C) Atosiban	e and effective as a tocolytic agent. B) Indomethacin D) Nifedipine
28.	The fibrinous band of adhesions in the perilin cases of pelvic inflammatory disease is sA) Frolich syndrome C) Fitz-Hugh Curtis syndrome	
29.	Trichomoniasis is a common sexually transfer true about this organism except A) Cause punctate strawberry spots on the B) It is not uncommon in pregnancy C) It's ingress to the vagina is favoured by D) In a fresh wet film preparation it is in co	e vagina low pH
30.	A 30 year old woman presented with sec levels were normal. She failed to get withd oestrogen and progestin combination. This A) Anorexia nervosa C) Ovarian failure	rawl bleeding with progestins as well as
31.	Progestogens are the main hormones us progestogen induces the enzyme	_
32.	In invitro fertilization the test which is useful in A) Vasogram C) Sperm agglutination test	selecting the best sperm for fertilization is B) Miller-Kurzrok test D) Hypo-osmotic swelling test
33.	A reliable, sensitive and cost effective altersettings is A) Liquid based cytology B) Endocervical scrape cytology by endoc C) Speculoscopy D) Visual inspection of acetowhite areas	

A -6-

34.	Therapeutic indications for hysteroscopy in A) Uterine septum C) Embedded IUCD	B)	des all except Asherman's syndrome Large intramural fibroid
35.	All are seen in chronic calcific pancreatitis (A) Diabetis mellitus C) Hypercalcemia	B)	ept Fat malabsorbtion Increased incidence of pancreatic carcinoma
36.	Subdural hematoma most commonly result A) Rapture of intracranial aneurysm B) Rapture of cerebral arterio venous malf C) Injury to cortical bridging veins D) Hemophilia		
37.	Features of extradural hemorrhage include A) Severe hypotension C) Fixed dilated pupil on the same side	B)	Deteriorating consciousness
38.	After three weeks of duration, pancreatic pset by which method ? A) Cystogastrostomy C) External drainage	B)	ocyst 5 cm in size should be managed Needle aspiration Ultra sonogram and follow up
39.	Most common cause of Ogilvie's syndrome A) Head injury C) Carcinoma	B)	Electrolyte abnormalities Drugs
40.	Which of the following scenario is considered A) Major surgical procedure within the present B) A history of deep vein thrombosis, trans C) Bylateral asymptomatic cataract D) A 60 yr. old woman currently on a SSR	viou sien	s six months t ischemic attack
41.	A bed ridden patient post surgery develope edema on day 5 th POD. What is the most I A) Cellulitis C) Necrotising fascitis	ikely B)	
42.	Main disability following Classical radical nemuscle? A) Subscapularis C) Trapezius	B)	dissection is due to paralysis of which Deltoid Pectoralis major
43.	Which patient has better prognosis in breas A) Luminal A C) Patient who has triple test negative	B)	ancer ? Luminal B Patient who has triple test positive

-7-

44.	Treatment of posterior flail segment is A) Strapping C) No treatment is required	B) Open reduction and fixationD) External fixatore application
45.	 The following are features of thromboangiit A) Raynaud's phenomenon B) Migrating thrombophlebitis C) Segmental panarteritis D) Polymorphs and giant cells are abscent 	·
46.	Myxomatous degeneration occurs only in v A) Retroperitonial C) Submucosal	vhich lipoma ? B) Subfascial D) Subcutaneous
47.	Following are true for verrucous carcinoma A) Very slow growing C) Spread by lymphatics is not common	B) Poorly differentiated carcinoma
48.	The following are true for venous ulcer form A) Ambulatory venous hypertension C) Fibrin, fibronectin, collagen IV	B) Free radical release
49.	What is the analysis to be done to compare in the mean hemoglobin measurement betwo figirls studying in a higher secondary school z-test C) chi-square test	een boys (n = 100) and an equal number
50.	In a positively skewed frequency distribution A) Mean = Median = Mode C) Mean < Median < Mode	on the following is true B) Mean > Median > Mode D) Mode > Mean > Median
51.	The analysis to be done for determining w smoking and lung cancer in a case control A) ODDs ratio C) Chi-square test	study is
52.	The following are primary levels of prevent A) Sanitation C) Immunisation	ion, except B) Screening for tuberculosis D) Handwashing
53.	Unemployment due to loss of foot in an acc A) Impairment C) Limitation	cident is B) Disability D) Handicap
54.	Children Act for prevention and control of ju A) Social stress C) Social defense	uvenile delinquency is B) Social problem D) Social pathology

A

55.	Which of the following are defense mechan failures? i. Projection ii. Dissolution iii. Displacement iv. Compensation A) i, ii, iii C) i, ii, iv	isms to deal with problems, difficulties or B) ii, iii, iv D) i, iii, iv
56.	In a study to assess the association between smokers and an equal number of non-smokes smokers 100 developed lung cancer and a cancer. To what extend can the disease uncompact of the control of the con	veen smoking and lung cancer, 10,000 ters were followed up for 5 years. Among among non-smokers 10 developed lung
57.	unit under study	voir and contaminated soil the source of
58.	A man came to the hospital with complaints On examination, there was oozing of blood. It vaccination 3 years back. What is the recommendal A) Intra dermal rabies vaccination on 0, 3, B) Intra dermal rabies vaccination on 0, 3, C) Intra dermal rabies vaccination on 0, 7 th D) Intra dermal rabies vaccination on 0, 3 rd	He gave a history of completed anti-rabies immended post-exposure management? 7, 28 th day with rabies immunoglobulin 28 th day with rabies immunoglobulin day without rabies immunoglobulin
59.	 Which of the following statement is correct A) Under integrated disease surveillance plassis of clinical pattern by paramedical B) LaQshya program was launched to imp C) SUMAN program was launched to impromaternity OTs in public health facilities D) Vandemataram scheme provides free of 	project, syndromic diagnosis is made on the personnel rove basic newborn care and resuscitation ove quality of care in labour room and
60.	Which of the following is cyclo-developmer A) Malarial parasite in Anopheles mosquite	

B) Filarial parasite in Culex mosquitoC) Plague bacilli in rat Flea

D) Yellow fever virus in Aedes mosquito

- 61. Which of the following is true regarding indicators of Acute Flaccid Paralysis (AFP) surveillance?
 - A) At least one case of non-polio AFP should be detected annually per 10,000 population aged less than 15 yrs.
 - B) Two stool specimens should be collected 48 hrs. apart within 14 days of onset of **AFP**
 - C) At least 90% of AFP cases should have follow-up examination for residual paralysis at 60 days after onset of paralysis
 - D) At least 80% of expected routine AFP surveillance report should be received on time
- 62. The following is true, except
 - A) In rural areas, the build-up area of houses should not exceed one-third of the total
 - B) Cattle sheds should be at least 25 feet away from dwelling houses
 - C) Height of the roof of a house should not be less than 10 feet
 - D) Well should be located 15 feet away from any likely source of contamination
- The radiological features in Chest X-ray of Hyaline Membrane Disease (Respiratory Distress Syndrome of Prematurity) are all except
 - A) Reticulogranular pattern

B) Ground glass opacity

C) Hyperinflation

D) Air bronchogram

- 64. Which is not a usual cause of neonatal jaundice appearing within 24 hours?
 - A) Rh incompatibility

B) ABO incompatibility

C) Intrauterine infections

D) Neonatal sepsis

- 65. Which worm infestation in children can result in rectal prolapse?
 - A) Pin worm

B) Whip worm

C) Round worm

D) Hook worm

- 66. Regarding Trisomy 21 (Down syndrome), which statement is incorrect?
 - A) At increased risk for congenital and acquired hypothyroidism
 - B) Increased risk for hearing loss
 - C) Increased risk for Atlantoaxial subluxation
 - D) Translocation is the most common cause
- 67. Microcephaly is not commonly associated with
 - A) Congenital Cytomegalovirus infection B) Edward syndrome

C) Congenital Hypothyroidism

- D) Fetal hydantoin syndrome
- 68. The pathological lesion associated with spastic diplegia is
 - A) Multicystic encephalomalacia

B) Periventricular leukomalacia

C) Selective neuronal necrosis

D) Status marmoratus

69.	Oligo articular Juvenile Rheumatoid Arthritis in which A) 4 or less number of joints involved over B) 4 or less number of joints involved over C) 2 or less number of joints involved over D) 2 or less number of joints involved over	a period of 6 weeks a period of 6 months a period of 6 weeks	
70.	The treatment of Kawasaki disease include A) Aspirin C) Steroids	all except B) Intravenous immunoglobulin D) Antibiotics	
71.	Regarding 21-Hydroxylase deficiency (the hyperplasia), all are true except A) It can present as ambiguous genitalia in B) It can present with failure to thrive and r C) It can be diagnosed by estimation of 17 D) It can present with hypertension	n newborn period recurrent vomiting in infancy	
72.	The earliest post conceptional age at which A) 4 weeks C) 12 weeks	the neural tube fuses completely is B) 8 weeks D) 16 weeks	
73.	Which infection is more common in Galacto A) Escherichia Coli C) Acinetobacter	osaemia ? B) Pseudomonas D) Gram positive bacteria	
74.	 One of the criteria in the definition of Severe Acute Malnutrition (SAM) in children aged 6 months to 59 months according to WHO is A) Weight for Age less than – 3 (Minus 3) Standard Deviation B) Weight for Age less than – 2 (Minus 2) Standard Deviation C) Weight for Height less than – 3 (Minus 3) Standard Deviation D) Weight for Height less than – 2 (Minus 2) Standard Deviation 		
75.	Pugilistic attitude is seen in A) Head injury C) Electrocution	B) Flame burns D) Drowning	
76.	Grievous hurt is defined in Indian Penal Co A) S. 320 C) S. 304	de B) S. 302 D) S. 300	
77.	In medical negligence, the death of a persounder which Section of Indian Penal Code	?	
	A) S. 306 C) S. 304 A	B) S. 324 D) S. 307	
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78.	Stiffening of muscles that occur in a dead body after the primary flaccidity has disappeared is		
	A) Cadaveric spasm C) Liver mortis	B) Algor mortisD) Rigor mortis	
79.	Blood collected for chemical analysis is pre A) Sodium fluoride C) Sodium citrate	eserved in B) Sodium acetate D) Sodium thiosulphate	
80.	Predominant Contre-coup cerebral injuries A) Concussion C) Acceleration – Deceleration injuries	B) Blunt injury	
81.	in supracondylar fractures.		
	A) 1 and 2 are correct C) 2 and 3 are correct	B) 1 and 3 are correctD) 2 alone is correct	
82.	 Tuberculosis of the thoracic spine can prod A paraspinal abscess on the posterior to mid-line. A parasternal abscess. A knuckle deformity. 1 alone is correct 2 and 3 are correct 		
83.	Compound palmar ganglion 1. Can produce carpal tunnel syndrome. 2. Can produce rupture of the long flexor t 3. Can occur in rheumatoid arthritis. 4. Can produce impairment of sensations A) All the above statements are correct C) Only 1 and 2 are correct	of the medial one and a half fingers.	
84.	A healthy 70 year old male with osteoarth fracture of neck of femur is ideally treated to A) Excision arthroplasty B) Hemiarthroplasty C) Fixation of the fracture with 3 cannulate D) Total hip replacement	ру	

A -12-

- 85. A 35 year old male presents to the ENT OPD with complaints of recurrent episodes of sudden onset vertigo accompanied by nausea and vomiting, left ear fullness and a hissing type of tinnitus. On examination, there was nystagmus with fast component towards the right side. Rinne's test was positive and Weber was lateralised to right ear. Which of the following statements is/are true regarding his disease?
 - I. Carharts notch is a characteristic feature in the pure tone audiogram.
 - II. Schwartz sign is usually present in the tympanic membrane during active phase of the disease.
 - III. Summating potential to Action potential ratio in Electrocochleography will be more than 30%.
 - IV. Endolymphatic sac decompression can be done if the vertigo is disabling and hearing needs to be preserved.

A) I only

C) III and IV only

D) II and III only

- 86. Which of the following statements regarding epistaxis is untrue?
 - A) Woodruff's plexus appear to originate from the posterior wall of nasopharynx and is arterial in origin
 - B) Bleeding from above the middle turbinate is mainly contributed by the vessels of internal carotid system
 - C) SMR operation can be done for persistent or recurrent epistaxis
 - D) TESPAL gives high success in control of refractory posterior bleed
- 87. A tracheostomised patient with Portex cuffed tracheostomy tube, in the ward developed sudden complete blockage of the tube. What will be the best next step for the management?
 - A) Jaw thrust and jet ventilation
 - B) Suction the tube with saline
 - C) Laryngeal mask airway
 - D) Immediate removal of the tracheostomy tube
- 88. All of the following statements are false except
 - A) Ascending pharyngeal artery from internal carotid is the main arterial supply of tonsil
 - B) Quinsy is the collection of pus in the retropharyngeal space as a complication of chronic follicular type of tonsillitis
 - C) Irwin Moore's sign is seen in chronic fibroid type of tonsillitis
 - D) Tonsilloliths can be seen in acute tonsillitis when the crypts are blocked with retention of debri and deposition of inorganic salts of calcium and magnesium
- 89. Punctate sub capsular cataract in children seen in

A) Down Syndrome B) Galactosemia

C) Marfans Syndrome D) Myotonic dystrophy

A -13-

90.	The common Glaucomatous visual field de A) Central scotoma C) Arcuate scotoma	fects are all except B) Seidel's scotoma D) Ring scotoma
91.	Central serous choroidopathy:- all are true A) Sudden onset B) Preferentially in young males C) Positive scotoma and metamorphopsia D) Visual acuity is correctable by use of co	
92.	Quadrantic hemonymous visual field defect A) Compression of optic chiasma C) Temporal lobe lesion	t seen in B) Occipital corlex infarct D) Lesion in optic radiation
93.	A 20 year old girl presented to the Skin OF of 2 days duration. On examination she wan erythematous base mainly distributed of the theorem of the examination revealed erosions. The multinucleated giant cells. On enquiring complaints in her roommate 2 weeks back. A) Amoxycillin C) Valacyclovir	was found to have multiple vesicles on over the trunk and proximal extremities. Zanck smear from the vesicle revealed further, she gave a history of similar
94.	 A 40 year old man presented with multiple painful nodules associated with fever since 1 month. The nodules used to subside in 2-3 days following which he used to develop fresh crops of similar lesions. Each episode was associated with a spike of fever. He also complained of arthralgia and redness of eyes. He was started on MB MDT for hypopigmented lesions 2 months back. How would you approach this patient? A) Stop MDT. Start the patient on second line therapy B) Continue MDT. Start the patient on thalidomide C) Stop MDT. Restart once the lesions completely subside D) Reassure the patient and continue MB MDT only 	
95.	 All of the following statements are true about A) It presents with flaccid blisters and erose B) Nikolsky sign is positive C) Direct immunofluorescence shows linear dermoepidermal junction D) Rituximab is found to be an effective tree 	sions

A -14-

96.	A 40 year old man presents with intensely and plaques on the flexor aspect of upp examination he is found to have white plaque. The dermatologist in charge orders for a skin The biopsy is most likely to show — A) Civatte bodies C) Multinucleated giant cells	er limbs and trunk since 3 weeks. On le in a lacy pattern on his buccal mucosa.
97.	A nine year old boy was brought for evaluation. Repeated physical examinations at a definite diagnosis. Mother reported that the hours to avoid going to school. The child co about any accidents that might happen to had a Factitious Disorder C) Phobia	nd extensive investigations did not reveal e child throws out tantrums in the morning nfided to the doctor that he is very fearful
98.	Which among the following is the most definingA) AnhedoniaC) Delusion of reference	ng feature of Major Depressive Disorder ? B) Insomnia D) Temporal correlation with a stressor
99.	A twenty year old student was brought with He expressed suspicions that he is being in his house and classroom. He claimed people commenting on his intentions and dexperiencing these difficulties for the past from	watched by electronic devices hidden he can hear the conversation of other liscussions of his activities. He has been 9 months. He is most probably suffering
	A) Bipolar DisorderC) Schizophrenia	B) Delusional DisorderD) Personality Disorder
100.	his properties	al illness with regard to the administration of she wishes to be cared for and treated for a doctors in the care of the mentally ill

Space for Rough Work

A -16-