

071/2018

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

Total Number of Questions : 100

Time : 75 Minutes

Maximum Marks : 100

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 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.

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1. Ken river is a tributary of :
(A) Godhavari (B) Kaveri (C) Yamuna (D) Brahmaputra
2. Indira Gandhi Institute of Development Research (IGIDR) established by :
(A) Mumbai University (B) Reserve Bank of India
(C) U.P. Government (D) IHRD Ministry
3. NABARD was established by the recommendation of :
(A) A.M. Khusro Committee (B) Y.B. Chavan Committee
(C) N.K.P. Salve Committee (D) Shivaraman Committee
4. In 1980 Indira Gandhi Nationalised how many Banks ?
(A) 6 (B) 8 (C) 14 (D) 18
5. Thusharagiri waterfalls is situated in :
(A) Wayanad (B) Kozhikode (C) Pathanamthitta (D) Idukki
6. The place where Paliyam Sathyagraha held is now in which district ?
(A) Thrissur (B) Kottayam (C) Ernakulam (D) Kollam
7. The Travancore Constitutional Reform Committee was chaired by :
(A) A.J. John (B) Sir C.P. Ramaswami Iyer
(C) P.G.N. Unnithan (D) C. Kesavan
8. Name the person who resigned Presidentship of Indian National Congress in 1939.
(A) Mahathma Gandhi (B) Subash Chandra Bose
(C) Jawahar Lal Nehru (D) Pattabhi Sita Ramayya
9. Which of the following Gandhian movement was withdrawn after Chouri-Choura incident ?
(A) Civil Disobedience Movement (B) Quit India Movement
(C) Ahmedabad Mill Strike (D) Non-Cooperation Movement
10. Which one of the following is written by Jyothi Rao Phule ?
(A) Sivaji's Life (B) Vedic Home of the Aryans
(C) Prabhudha Bharath (D) Viveka Vardhini

11. The Advaita Ashram at Aluva was founded by :
 (A) Brahmananda Sivayogi (B) Sri Sankaracharya
 (C) Chattampi Swamikal (D) Sri Narayanaguru
12. Ezhava Memorial was submitted to :
 (A) Srimoolam Tirunal (B) Visakam Tirunal
 (C) Sethu Lekshmibai (D) Chithira Tirunal Balaramavarma
13. The Social-Reformer who met Mahatma Gandhi at Neyyattinkara ?
 (A) Poikayil Yohannaan (B) Ramakrishna Pilla
 (C) Vaikunda Swami (D) Sahodaran Ayyappan
14. Name the person who is related with Kalyanadayini Sabha ?
 (A) Vagbhadanandha (B) Ayyankali
 (C) K.P. Karuppan (D) Thycaud Ayya
15. Which is **not** related with K.P. Kesavamenon ?
 (A) Malabar Home Rule League (B) Mathrubhoomi
 (C) Ceylon High Commissioner (D) Andhra Governor
16. The drill ship deputed to study the secrets of lost Continent Zealand is :
 (A) Discoverer 534 (B) Jodies Resolution
 (C) Enterprise (D) Deep Water KG 1
17. Saturn's largest moon :
 (A) Lapetus (B) Callisto (C) Titan (D) Atlas
18. Kevin Durant is related with :
 (A) Basket Ball (B) Volley Ball (C) Cycling (D) Swimming
19. Who penned the memoir 'Advice and Dissent; My Life in Public Service' ?
 (A) Jacob Thomas (B) Y.V. Reddy
 (C) Shasi Tharoor (D) T.P. Senkumar
20. Phulpur Loksabha Constituency is in :
 (A) Bihar (B) West Bengal (C) Maharashtra (D) Uttar Pradesh
21. Hassall's corpuscles are present in :
 (A) Spleen (B) Thymus (C) Tonsil (D) Lymph node

22. Which of the following is **not** supplied by oculomotor nerve ?
 (A) Levator palpebrae superioris (B) Superior rectus
 (C) Inferior oblique (D) Lateral rectus
23. Internal spermatic fascia is derived from :
 (A) External oblique aponeurosis (B) Internal oblique muscle
 (C) Transversus abdominis muscle (D) Transversalis fascia
24. Which of the following arteries **does not** supply internal capsule ?
 (A) Anterior cerebral (B) Middle cerebral
 (C) Anterior choroidal (D) Posterior choroidal
25. Net energy yield from complete oxidation of one molecule of glucose when malate-aspartate shuttle is operating :
 (A) 28 (B) 30 (C) 32 (D) 34
26. All the following enzyme catalyzed reactions are examples of biotin independent carboxylations **except** :
 (A) Malic enzyme (B) Propionyl CoA carboxylase
 (C) Carbamoyl phosphate synthase I (D) Carbamoyl phosphate synthase II
27. Rate limiting enzyme in fatty acid synthesis :
 (A) Pyruvate carboxylase (B) Acetyl CoA carboxylase
 (C) Carnitine acyl transferase I (D) Fatty acid synthase complex
28. All the following are components of Garrod's tetrad except :
 (A) Albinism (B) Alkaptonuria
 (C) Phenyl ketonuria (D) Essential pentosuria
29. In Hemophilia which of the factor is deficient ?
 (A) Factor V111 (B) Factor V11 (C) Factor V1 (D) Factor X
30. P wave in ECG is produced by :
 (A) Ventricular depolarization (B) Atrial depolarization
 (C) Ventricular repolarization (D) Atrial repolarization
31. ADH facilitates water reabsorption in which part of renal tubule ?
 (A) Proximal convoluted tubule (B) Ascending limb of loop of Henle
 (C) Descending limb of loop of Henle (D) Collecting duct

32. Pancreatic secretion contains :
 (A) Enteropeptidase (B) Pepsin (C) Trypsin (D) Motilin
33. 'La Bandera' is the method of torture by suspending a person :
 (A) by head down (B) by wrists (C) by arms (D) by ankles
34. The special samples to be taken for chemical analysis during an exhumation process is :
 (A) clothes (B) earth (C) viscera (D) soft tissues
35. As per the 'Wallace Rule' the head and neck covers about :
 (A) 7% of body surface (B) 8% of body surface
 (C) 9% of body surface (D) 10% of body surface
36. Optic nerve toxicity is classically seen in poisoning with :
 (A) barbiturates (B) cocaine (C) methyl alcohol (D) zinc phosphide
37. Which of the following viruses have a dsRNA as their nucleic acid ?
 (A) Rhabdoviruses (B) Paramyxoviruses
 (C) Retroviruses (D) Reoviruses
38. All of the following are acute phase reactants **except** :
 (A) Serum amyloid A (B) TNF- α
 (C) CRP (D) Haptoglobin
39. Which of the following is the gold standard for HIV diagnosis ?
 (A) Western blot (B) ELISA
 (C) p24 antigen detection (D) Viral RNA detection
40. Which of the following are used for the disinfection of contact lens ?
 (A) Hydrogen peroxide (B) Ethanol
 (C) Isopropyl alcohol (D) Chlorhexidine
41. Which is NOT a feature of Atypical Meningioma ?
 (A) 4/ more mitosis per HPF
 (B) Hyper cellularity
 (C) Sheet like growth of cells and necrosis
 (D) Macronucleoli

42. The IHC marker useful in diagnosis of Endometrial Stromal Sarcoma.
(A) CD 10 (B) CD 20 (C) EMA (D) SMA
43. Rheumatoid arthritis is characterised by all of the following **except** :
(A) Synovial hyperplasia with prominent lympho plasmacytic infiltration
(B) Pannus formation
(C) Fibrin deposition
(D) Intra articular loose body (rice body) formation
44. Which of the following is a feature of Pilocytic Astrocytoma ?
(A) Monotonous population of small uniform tumor cells
(B) Endothelial proliferation
(C) Rosette formation
(D) Rosenthal fibres and eosinophilic granular bodies
45. Antidepressant among the following is :
(A) Levomilnacipran (B) Lacosamide
(C) Lorcaserin (D) Lomitapide
46. Heparin induced thrombocytopenia is treated with :
(A) Abciximab (B) Atosiban (C) Argatroban (D) Aprepitant
47. Ezetimibe is used to treat :
(A) Epilepsy (B) Diabetes mellitus
(C) Diabetes insipidus (D) Hyperlipidemia
48. All are true about Quinupristin-Dalfopristin **except** :
(A) it is administered intravenously
(B) they are combined in 70/30 ratio
(C) dose adjustment not needed in renal failure
(D) can cause myalgia-arthralgia syndrome

49. The Ottawa Charter is concerned with :
- (A) Health Promotion (B) Specific Protection
(C) Early Diagnosis and Treatment (D) Rehabilitation
50. Which of the criteria for judging causality is shown by Relative Risk ?
- (A) Temporal association (B) Coherence of Association
(C) Strength of Association (D) Specificity of Association
51. Which is the drug recommended for treatment of Plasmodium Falciparum Malaria in the first trimester of Pregnancy ?
- (A) ACT (B) Primaquine (C) Lumefantrine (D) Quinine
52. All of the following are more in breast milk during the first month of lactation than cow's milk except :
- (A) Casein (B) Linoleic acid (C) Lactose (D) Vitamin C
53. Colour vision is tested using all the following methods **except** :
- (A) Pelli Robson charts (B) Hardy Rand Rittler charts
(C) Anomaloscope (D) FM 100 test
54. Magician's forceps phenomenon is seen in :
- (A) Accommodative esotropia (B) Intermittent exotropia
(C) Duane's retraction syndrome (D) Double elevator palsy
55. Tear drop sign in CT Scan Orbit is suggestive of :
- (A) Blow in fracture (B) Le Fort fracture
(C) Fracture roof of orbit (D) Blow out fracture
56. 'Scrambled egg' appearance in the fundus is typical of :
- (A) Age related macular degeneration
(B) Cone dystrophy
(C) Best's disease
(D) Diabetic maculopathy

57. Thornwaldt's cyst arises from persistence of :
(A) Rathke's pouch (B) Pharyngeal pouch
(C) Anterior pouch of von Troeltsch (D) Luschka's pouch
58. The non-syndromic hearing loss of DFNB1 is a type of :
(A) Autosomal dominant hearing loss
(B) Autosomal recessive hearing loss
(C) Mitochondrial disorder with hearing loss
(D) X linked hereditary hearing loss
59. The Schaefer classification is used in :
(A) Laryngeal trauma (B) Juvenile Nasopharyngeal Angiofibroma
(C) Nasopharyngeal carcinoma (D) Subglottic stenosis
60. Large Vestibular aqueduct is most commonly associated with :
(A) Alport's syndrome (B) Jervell and Lange Nielson Syndrome
(C) Pendred syndrome (D) Usher syndrome
61. OVLT is an organ concerned with the regulation of :
(A) Respiration (B) Blood Pressure
(C) Temperature (D) Hunger
62. Definition of AIDS is CD₄ cell count less than :
(A) 800 (B) 600 (C) 400 (D) 200
63. Multifocal atrial tachycardia is commonly associated with :
(A) Ischemic heart Disease (B) Respiratory Disease
(C) Hypokalemia (D) Hyperkalemia
64. The disease which produce macrocytic anaemia is :
(A) Multiple Myeloma (B) Acromegaly
(C) Hypothyroidism (D) Rheumatoid Arthritis
65. Nihilistic delusion is associated with :
(A) Cotard's syndrome (B) Ekbom syndrome
(C) Capgras syndrome (D) De Clerambault syndrome

66. A 16 year old boy, on seeing sharp objects gets repeated urge to pick it up and stab others. He does not wish to carry it out and does not act on it. He has significant distress and tries to resist the urge. Most likely diagnosis is :
- (A) Conduct disorder (B) Hypomania
(C) Obsessive compulsive disorder (D) Impulse control disorder
67. The drug of abuse 'ECSTASY' is :
- (A) Phencyclidine (B) Cocaine (C) MDMA (D) LSD
68. The neuropeptide transmitter implicated in narcolepsy is :
- (A) Histamine (B) Melatonin (C) Acetyl Choline (D) Hypocretin
69. Lambda sign in obstetric ultrasound is indicative of :
- (A) Hydrops foetalis (B) Dichorionic diamniotic twins
(C) Monochorionic diamniotic twins (D) Monochorionic monoamniotic twins
70. Mc Roberts maneuver is considered as the first line treatment for :
- (A) Breech delivery (B) Transverse lie
(C) Shoulder dystocia (D) Abruptio placenta
71. The most common gynaecological cancer in India is :
- (A) Endometrial cancer (B) Ovarian cancer
(C) Cervical cancer (D) Vulval cancer
72. The hormone content in long acting reversible contraceptive device is :
- (A) Levonorgestrel (B) Oestrogen (C) Testosterone (D) Misoprostol
73. The following statements in vitiligo are true **except** :
- (A) An acquired pigment anomaly of skin
(B) Due to defect in Tyrosinase activity
(C) Progressive loss of melanocytes in skin
(D) Segmental distribution of skin lesions can occur.

74. Characteristic primary lesion in Acne vulgaris is :
 (A) Pustules (B) Papules (C) Nodules (D) Comedones
75. Nail changes which can occur in Lichen planus are the following except :
 (A) Longitudinal grooves (B) Longitudinal melanonychia
 (C) Pterygium inversum unguis (D) Trachyonychia
76. Necrolytic acral erythema is a specific feature of infection with :
 (A) Epstein - Barr virus (B) Hepatitis C virus
 (C) Herpes simplex virus (D) Human immunodeficiency virus
77. The Amsterdam criteria II is used for assessing :
 (A) Gastro intestinal stromal tumour (B) Pendred's Syndrome
 (C) Choledochal Cyst (D) Lynch Syndrome
78. The Boaris operation is indicated in :
 (A) Carcinoma of Kidney (B) Cholangio carcinoma
 (C) Injury to ureter (D) Injury to common bile duct
79. In the management of deep vein thrombosis with oral anticoagulants, the INR must be maintained between :
 (A) 1.5 to 2.5 (B) 2.5 to 3.5 (C) 3.5 to 4.5 (D) > 4.5
80. The Vitamin deficiency normally seen after Gastrectomy :
 (A) Vit. B₁₂ (B) Vit. B₆ (C) Vit. B₁ (D) Vit. D
81. The least constraint knee joint prosthesis among the following is :
 (A) CR type of knee (B) PS type of knee
 (C) TC₃ knee (D) Hinged knee
82. "Lift off test" is used to test the functional status of which muscle ?
 (A) Supraspinatus (B) Infraspinatus
 (C) Teres major (D) Subscapularis

83. All are features of synovial sarcoma except :
- (A) Usually seen in the age group of less than 50 years.
 - (B) More common at extra articular site.
 - (C) Originate from synovial lining.
 - (D) Knee and foot are commonly involved.
84. A joint is innervated by the articular branch of the nerve, which supply the muscle which moves the joint. This law is known as :
- (A) Wolff's law
 - (B) Blount's law
 - (C) Hilton's law
 - (D) Cushing's law
85. Choose the best sequence of Rehabilitation measures for a Spastic Diplegic child with crouch gait.
- (A) Antispastic Drugs, Dorsiflexor strengthening, Articulated AFOs
 - (B) Antispastic Drugs, Quadriceps strengthening, Calcaneal osteotomy and static AFO
 - (C) Antispastic Drugs, Tendo Achilles lengthening, Articulated AFO
 - (D) Botulinium toxin injection to Gastronemius, static AFO and Dorsiflexor strengthening
86. One of the following is **not** a poor prognostic factor for Brachial plexus injury :
- (A) Positive SNAP in NCV with absent sensation
 - (B) Serratus Anterior Paralysis
 - (C) Horner's Syndrome
 - (D) Partial involvement of Myotomes
87. One of the following Rehab professional is **not** part of the Rehabilitation Team for an Amputee :
- (A) Physiatrist
 - (B) Prosthetist
 - (C) Speech therapist
 - (D) Occupational therapist
88. One of the following is an important Component of Person's with Disabilities Act.
- (A) All Public Buildings must be made Disabled Friendly
 - (B) Person's with 20% Disability are considered for income tax exemption
 - (C) 3% of all education seats are reserved for Learning Disability only
 - (D) 30% of employees in Govt. Institutions are reserved for Locomotor Disability.

89. Polyoma virus is associated with the aetiology of the following cancer :
- (A) Hepatocellular Carcinoma (B) Merckel cell carcinoma
(C) Castlemans Disease (D) Anogenital cancer
90. The following is **not** true about "BLEOMYCIN" :
- (A) Bleomycin is cell cycle specific and its main effects mediates in S phase.
(B) Dose limiting toxicity of Bleomycin is pulmonary toxicity.
(C) 60%-70% of Bleomycin is excreted unchanged in urine
(D) Bleomycin is absorbed rapidly after in injections.
91. Following **not** included in MEN 2B :
- (A) Pheochromocytoma (B) Hyperparathyroidism
(C) Mega colon (D) Skeletal abnormality
92. The following statements regards Carcinoma Oropharynx is **true** :
- (A) The epithelial covering on nasopharyngeal side is respiratory epithelium
(B) 20-25% of tonsilar tumours are lymphomas
(C) Surgery is the treatment of choice in BOT lesions
(D) Medical pterigoid involvement is T3b.
93. Inhalation anesthetic agent which causes greatest magnitude of Carbon Monoxide production :
- (A) Desflurane (B) Sevoflurane (C) Isoflurane (D) Halothane
94. Concerning Dexmeditomedine choose the **incorrect** statement :
- (A) Dexmeditomedine is the S - enantiomer of meditomedine
(B) Delirium in ICU is significantly lower when used for sedation
(C) Induces sedation through GABA system
(D) Pharmacokinetics is not influenced by renal impairment
95. The most common side effect of neuraxial opioid is :
- (A) Sedation (B) Respiratory depression
(C) Urinary retention (D) Pruritis

96. Factors which cause exaggerated bradycardia (heart rate less than 40-50 beats/min) following spinal anesthesia include all **except** :
- (A) Baseline heart rate less than 60 beats/min
 - (B) Male gender
 - (C) Older age
 - (D) Non emergency surgery
97. What is the osmolality of low osmolality WHO Oral rehydration solution ?
- (A) 245 mOsm/L
 - (B) 275 mOsm/L
 - (C) 375 mOsm/L
 - (D) 350 mOsm/L
98. Peak incidence of acute Appendicitis is in the age of :
- (A) < 1 Year
 - (B) 1 - 3 Years
 - (C) 5 - 10 Years
 - (D) 12 - 18 Years
99. Which of the following is the most reliable test for diagnosis of acute Pancreatitis ?
- (A) Serum Amylase
 - (B) Serum Lipase
 - (C) Leucocytosis
 - (D) Hypercalcemia
100. Splenectomy is indicated in the following conditions **except** :
- (A) Hereditary spherocytosis
 - (B) Hereditary stomatocytosis
 - (C) Thalassemia
 - (D) Hypersplenism

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SPACE FOR ROUGH WORK

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