

128/2017

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

Total No. of Questions: 100

Maximum : 100 Marks

Time : 75 Minutes

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 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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Maximum : 100 Marks

Time : 1 hour and 15 minutes

1. The cover page of Indian Constitution was designed by
(A) Nandalal Bose (B) Subash Chandra Bose
(C) B.N. Rao (D) B.R. Ambedkar
2. _____ is the “Heart and Soul” of the Indian Constitution.
(A) Fundamental Rights (B) Preamble
(C) Directive Principle (D) Fundamental Duties
3. _____ say all persons are equal before law and entitled to equal provision of the laws.
(A) Article 12 (B) Article 15
(C) Article 14 (D) Preamble
4. The Nomination of a Presidential Candidate must be signed and supported by _____ persons.
(A) 3 (B) 5
(C) 50 (D) 10
5. The President of India is empowered to proclaim Financial Emergency _____.
(A) Article 360 (B) Article 352
(C) Article 354 (D) Article 353
6. The real name of Brahmananda Swami Sivayogi was _____.
(A) Vagbhadanthan (B) Kunji Krishna Menon
(C) Karattu Govinda Menon (D) Achudananda Menon
7. Uralungal service co-operative society founded by
(A) Vagbhadanthan (B) Poikayil Yohannan
(C) Sahodaran Ayyappan (D) Ayyankali
8. Who is called ‘Lincoln of Kerala’ ?
(A) Ayyankali (B) Pandit Karuppan
(C) K. Kelappan (D) Pattamthanupilla
9. Who lead ‘Vimojana Samaram’ which resulted the suspension of first EMS Ministry in 1959 ?
(A) Mannathupadmanabhan
(B) K. Kelappan
(C) Swadesabhimani Ramakrishnapilla
(D) Sahodaran Ayyappan
10. Who was the leader of ‘Guruvayoor Sathyagraha’ ?
(A) K. Kelappan (B) Mannathu Padmanabhan
(C) Sahodaran Ayyappan (D) Pattanthanupilla

A

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[P.T.O.]

11. Who was called as the 'Father of Literacy in Kerala' ?
 (A) Kuriakose Elias Chavara
 (B) Dr. Palpu
 (C) Kodungalloor Kunjikuttan Thamburan
 (D) Kerala Varma Valiyakoi Thamburan
12. Autobiography of V.T. Bhattathirippad is
 (A) Ambalangalkku Thee Koluthu
 (B) Pozhinja Pookkal
 (C) Adukkalayil Ninum Arangathekku
 (D) Kannerum Kinavum
13. A.K.G. Bhavan situated at
 (A) Thiruvananthapuram (B) Kannur
 (C) Delhi (D) Guruvayoor
14. An important innovation for framing of the Annual Budget called 'Pathivu Kanakku' introduced by
 (A) Marthandavarma (B) Dharmaraja
 (C) Sakthan Thamburan (D) Swathi Thirunnaal
15. Slavery was abolished in Travancore by
 (A) Rani Gauri Parvathi Bhai (B) Rani Gauri Lakshmi Bhai
 (C) Karthika Thirunnaal Rama Varma (D) Sri Narayana Guru
16. The prefix 'Mahakavi' was awarded to whom by Madras University in 1922 ?
 (A) Kamaran Asan (B) Ulloor
 (C) Vallathol (D) Kunjan Nambiar
17. The first Malayalee who won Oscar award is
 (A) Adoor Gopala Krishnan (B) A.R. Rahman
 (C) Rasool Pookkutti (D) Nora Johns
18. Who is the President of North Korea ?
 (A) Kim John Unn (B) Shijin Ping
 (C) Nicholas Mucro (D) Donald Trump
19. "Silver Fish" is _____.
 (A) wingless insect (B) ornamental fish
 (C) insect with wing (D) sea fish
20. Which day is celebrated as International Labour day ?
 (A) September 5th (B) May 1st
 (C) November 14th (D) December 7th

21. Diaphragm develops from the following EXCEPT
(A) Mesoderm of body wall (B) Pleuro-peritoneal membrane
(C) Septum Transversum (D) Ventral Mesogastrium
22. Geniculate Ganglion is located on which cranial nerve ?
(A) 7 (B) 8
(C) 9 (D) 10
23. Which nerve supplies temporomandibular joint ?
(A) Lingual (B) Auriculotemporal
(C) Deep temporal (D) Inferior alveolar
24. Name the vestigial structure inside the prostate.
(A) Colliculus Seminalis (B) Prostatic Sinus
(C) Prostatic Utricle (D) Urethral Crest
25. The cut off value of random plasma glucose level to diagnose diabetes mellitus
(A) ≥ 200 mg% (B) ≥ 100 mg%
(C) ≥ 140 mg% (D) ≥ 180 mg%
26. The source of uric acid in the body
(A) Proteins (B) Glucose
(C) Cholesterol (D) Purines
27. The deficient enzyme in phenylketonuria
(A) Phenyl alanine hydroxylase (B) Tyrosinase
(C) Homogentisate oxidase (D) Tyrosine hydroxylase
28. The iron transport protein present in the blood
(A) Transferrin (B) Ferritin
(C) Haemopexin (D) Cytochrome
29. At what stage of erythropoiesis does Hb appear ?
(A) Reticulocyte (B) Early normoblast
(C) Intermediate normoblast (D) Pronormoblast

30. Beta cells of Pancreas produce
(A) Insulin (B) Glucagon
(C) Somatostatin (D) Pancreatic polypeptide
31. Pacemaker of heart
(A) AV node (B) SA node
(C) Bundle of His (D) Purkinje fibre
32. Normal tidal volume
(A) 1000 ml (B) 1500 ml
(C) 1200 ml (D) 500 ml
33. Select an organochloro compound from the following :
(A) Carbofuran (B) Parathion
(C) Endrin (D) Paraquat
34. Brush Burn is an example for the following category of Abrasions :
(A) Pressure (B) Impact
(C) Graze (D) Point
35. A conclusive autopsy finding for death due to thermal burns is :
(A) Soot in terminal air passages (B) Heat Hematoma
(C) Pugilistic attitude (D) Fat embolism
36. Section 377 IPC deals with
(A) Dowry Death (B) Unnatural Sexual Offences
(C) Criminal Abortion (D) Indecent Assault
37. Which among the following bacteria escapes Holder method of sterilisation ?
(A) Brucella melitensis (B) Coxiella burnetti
(C) Mycobacterium bovis (D) Mycobacterium tuberculosis
38. Which is the earliest immunoglobulin to be synthesised by the foetus ?
(A) Ig A (B) Ig D
(C) Ig G (D) Ig M

39. Acute haemorrhagic conjunctivitis is caused by
(A) Enterovirus 68 (B) Enterovirus 69
(C) Enterovirus 70 (D) Enterovirus 71
40. Smallest Cestode is
(A) Echinococcus granulosus (B) Dipylidium caninum
(C) Hymenolepis nana (D) Hymenolepis diminuta
41. Tumour marker used for the diagnosis of hepatocellular carcinoma is
(A) α fetoprotein (B) β hcg
(C) Carbonic anhydrase (D) Carcinoembryonic antigen
42. Abnormal permanent dilatation of airspaces along with the destruction of their walls without any fibrosis is called
(A) Over inflation (B) Bronchial asthma
(C) Emphysema (D) Bronchiectasis
43. Crohn disease is characterized by all of the following except
(A) Transmural involvement of bowel
(B) Presence of noncaseating granuloma
(C) Distortion of crypt architecture in mucosa
(D) Fissuring with formation of fistula
44. Sex cord stromal tumour of ovary seen in post menopausal women is
(A) Dysgerminoma (B) Granulosa cell tumour
(C) Choriocarcinoma (D) Embryonal carcinoma
45. Neostigmine is used to reverse the effect of
(A) Succinyl Choline (B) Dantrolene
(C) Methocarbamol (D) Pancuronium
46. Most potent general anaesthetic has
(A) Least MAC
(B) Highest MAC
(C) Least Blood Gas Partition Coefficient
(D) Least Metabolism

47. Cevimeline is used to treat
 (A) Smoking Cessation (B) Glaucoma
 (C) Myaesthesia Gravis (D) Sjogrens Syndrome
48. Ramelteon is a
 (A) Glycine Agonist (B) Melatonin Agonist
 (C) NMDA Agonist (D) GABA Agonist
49. The best research design to study the natural history of a disease
 (A) Case control (B) Cohort
 (C) Descriptive (D) Randomised controlled trial
50. Commonest side effect of intrauterine contraceptive device is
 (A) Ectopic pregnancy (B) Low back ache
 (C) Cancer (D) Bleeding
51. Extrinsic incubation period for Dengue virus is usually
 (A) 8-10 days (B) 14-17 days
 (C) 2-3 days (D) > 20 days
52. Global warming is caused by absorption of
 (A) Ultraviolet radiation (B) Ozone
 (C) Infrared radiation (D) Microwave radiation
53. All of the following Orbital diseases may improve with Corticosteroids except
 (A) Orbital Lymphoma (B) Frontal Mucocele
 (C) Non specific orbital inflammation (D) Thyroid eye disease
54. By “collaborative normal tension glaucoma treatment study” progression can be reduced by nearly threefold by a reduction of Intra ocular Pressure of
 (A) 30% (B) 20%
 (C) 10% (D) 50%
55. Opsoclonus is seen associated with which of the following condition :
 (A) Optic nerve hypoplasia (B) Craniopharyngioma
 (C) Occult neuroblastoma (D) Arnold chiari malformation

56. Causes of late phase glaucoma after blunt trauma to the eye include all except
(A) Subluxation of lens (B) Angle recession
(C) Peripheral anterior synechiae (D) Ghost cell glaucoma
57. Bilateral vestibular failure clinically manifests with
(A) Gaze evoked nystagmus (B) Vertigo with tinnitus
(C) Disconjugate eye movements (D) Oscillopsia
58. One of the following syndromes is autosomal recessive
(A) Alport's syndrome (B) Pierre Robin syndrome
(C) Marfan's syndrome (D) Crouzon's disease
59. One of the following is not a criterion of Bent and Kuhn :
(A) Eosinophilic mucin (B) Invasive fungal hyphae
(C) Nasal polyposis (D) MRI shows central void on T2 MRI
60. Stroboscopic examination of the larynx is the most useful in diagnosing
(A) Spasmodic dysphonia (B) Vocal cord paralysis
(C) Vocal cord sulcus (D) Laryngopharyngeal reflux disease
61. The detection threshold of peripheral smear for malarial parasites is
(A) 0-5 parasites/micro-litre of blood
(B) 5-10 parasites/micro-litre of blood
(C) 100-150 parasites/micro-litre of blood
(D) 200-250 parasites/micro-litre of blood
62. Drugs given during an acute gouty attack are all except
(A) Pegloticase (B) Febuxostat
(C) Allopurinol (D) None of the above
63. The most common cause of Familial Alzheimer's disease is due to mutation in
(A) PS-1 gene (B) APP gene on chromosome 21
(C) Apo E gene (D) PS-2 gene

64. First line anti-epileptic agent for GTCC is
 (A) Clonazepam (B) Ethosuximide
 (C) Valproic acid (D) Gabapentin
65. Which of the following match between drug of choice and treatment is true ?
 (A) Valproate-Acute Mania
 (B) Chlorpromazine-Negative symptoms of schizophrenia
 (C) Lithium-Euphoric Mania
 (D) Amitryphlline - OCD
66. Neuroleptic malignant syndrome is characterised by all except
 (A) Hyperpyrexia (B) Bradycardia
 (C) Autonomic instability (D) Raised CPK
67. Serum Lithium level is decreased by all except
 (A) Bronchodilators (B) Verapamil
 (C) ACE inhibitors (D) NSAIDS
68. Which of the following is not a negative symptom of schizophrenia ?
 (A) Alogia (B) Anhedonia
 (C) Apathy (D) Affective flattening
69. Common cause of death in inversion uterus is
 (A) Pulmonary embolism (B) Haemorrhage
 (C) Neurogenic shock (D) Infection
70. All are causes of Acute renal failure in obstetrics except
 (A) Placenta Previa (B) Abruptio
 (C) Drug toxicity (D) Haemolytic Uraemic Syndrome
71. Earliest ultrasound finding in pregnancy is
 (A) Embryo (B) Fetal heart
 (C) Yolk Sac (D) Chorion
72. Treatment of Vault Prolapse include all except
 (A) Sacrospinous Colpopexy (B) Colpocleisis
 (C) Ring Pessary (D) Moscovitz repair

73. Epidemic typhus is transmitted by
 (A) Crab Louse (B) Head Louse
 (C) Body Louse (D) Anopheles Mosquito
74. 'Murray Williams' warts are
 (A) Plane Warts (B) Multiple Seborrheic Keratoses
 (C) Common Warts (D) Genital Warts
75. Drugs causing Angio-edema are
 (A) Ace inhibitors (B) Beta Blockers
 (C) Sulfonylureas (D) Anti Malarials
76. 'Raccoon' eye lid lesion in children is seen in
 (A) Dermatomyositis (B) Atopic Dermatitis
 (C) Neonatal Lupus Erythematosus (D) Contact Dermatitis
77. Following are the indications for CT scan of the abdomen in a trauma victim, except
 (A) Suspected blunt trauma abdomen
 (B) Normal or unreliable physical examination
 (C) Suspected duodenal or pancreatic trauma
 (D) Hemodynamic instability
78. Which of the following agent is not used for biologically targeted therapy of breast cancer ?
 (A) Tamoxifen (B) Rituximab
 (C) Trastuzumab (D) Aromatase inhibitors
79. 'First bite syndrome', the following are true, except
 (A) Pain (B) Follows surgery at carotid bifurcation
 (C) Removal of sympathetic (D) Removal of parasymphathetics
80. Regarding Hurthle cell carcinoma (thyroid), what is true ?
 (A) It is a sub type of papillary carcinoma.
 (B) Occurs in children and younger age group.
 (C) Spread to local lymph node is a poor prognostic event.
 (D) It has good clinical prognosis.

81. Which is true about “Patte Sign” ?
- (A) Positive in supraspinatus tear
 - (B) Positive in radial head subluxation
 - (C) Positive in teres minor tear
 - (D) Positive in elbow instability
82. All are true about “Latterall’s head at risk” signs except :
- (A) Horizontally oriented growth plate
 - (B) Gage sign
 - (C) Epiphyseal cysts
 - (D) Lateral subluxation of femoral head
83. Triad of “Klippel Feil Syndrome” consists of all except
- (A) Low hair line
 - (B) Short neck
 - (C) Limited neck movements
 - (D) Elevated scapula
84. “Brown Tumour” is characteristic of
- (A) Hyperparathyroidism
 - (B) Hypoparathyroidism
 - (C) Hyperthyroidism
 - (D) Hypopituitarism
85. Mention the drug which can be used both orally and intrathecally to treat spasticity.
- (A) Baclofen
 - (B) Tizanidine
 - (C) Diazepam
 - (D) Dantrolene Sodium
86. Pudendal Nerve Nucleus of the bladder is situated at the _____ level of spinal cord.
- (A) T₁₁, T₁₂, L₁
 - (B) S₁
 - (C) T₁₂, L₁, L₂
 - (D) S₂, S₃, S₄
87. Streaming and Cavitation are effects of _____ therapeutic therapy ?
- (A) Infra – Red
 - (B) Ultrasound
 - (C) Shortwave diathermy
 - (D) Moist heat

88. The most stable cervical orthosis available for cervical post injury patients is
(A) Moulded Cervical Orthosis (B) Soft Cervical Orthosis
(C) Halo Cervical Orthosis (D) Philadelphia Cervical Orthosis
89. Brush bordered columnar epithelium occurs in
(A) Lining of stomach and small intestine
(B) Lining of PCT and small intestine
(C) Lining of trachea and fallopian tube
(D) Lining of ileum and jejunum
90. The radioactive decay rate of radioactive element is found to be 10^3 disintegrations / sec at a certain time. If the half-life of the element is 1 second, the decay rate after one second is _____ and after 3 seconds is _____.
(A) 500, 125 (B) 250, 125
(C) 100, 125 (D) 125, 500
91. Who discovered Monoclonal antibodies from hybridomas in 1974 ?
(A) Kohler and Milstein (B) Pasteur and Kohler
(C) Bayliss and Milstein (D) Pasteur and Bayliss
92. The difference between a photon and a neutrino is
(A) both have equal spin but photon is electromagnetic in nature
(B) both have equal spin but neutrino is electromagnetic in nature
(C) spin of photon is $\frac{1}{2}$ and that of neutrino is $\frac{h}{2\pi}$
(D) spin of photon is 1 and that of neutrino is $\frac{1}{2}$ in units of $\frac{h}{2\pi}$
93. Cessation of smoking before a scheduled surgery will lead to all except
(A) Increase in mucous production
(B) Improvement in mucociliary function
(C) Decreases airway irritability
(D) Reduction in the level of carboxy haemoglobin
94. High incidence of post operative hepatitis is associated with
(A) Isoflurane (B) Desflurane
(C) Halothane (D) Sevoflurane

95. A patient who showed a pulse oximetry reading of around 85% saturation who is otherwise stable. The possible diagnosis is
- (A) Metabolic acidosis
 - (B) Methhaemoglobulinaemia
 - (C) Presence of carboxy haemoglobin
 - (D) Low blood flow
96. The most useful lead on ECG results for detection of intra operative arrhythmia is
- (A) V1
 - (B) V2
 - (C) Lead 1
 - (D) Lead 11
97. A 3 yr. old boy presents with periorbital and pedal edema. The differential diagnosis includes all of the following except :
- (A) Protein-losing enteropathy
 - (B) Acute glomerulonephritis
 - (C) Nephrotic syndrome
 - (D) Orthostatic proteinuria
98. An 18-mo-old girl has a 2 day history of rhinorrhea, pharyngitis, and low grade fever. During the night, she wakes with a barking cough, hoarseness, and inspiratory stridor. Which of the following is the most likely etiologic agent ?
- (A) Influenza virus type A
 - (B) Respiratory syncytial virus
 - (C) Parainfluenza virus
 - (D) Adenovirus
99. Features of the complete Di George syndrome include all of the following except
- (A) Onset of infections after age 12 mo.
 - (B) Anomalies of the great vessels
 - (C) Micrognathia
 - (D) Neonatal hypocalcemia
100. The most common developmental abnormality of the exocrine pancreas is :
- (A) Choledochal cyst
 - (B) Pancreas divisum
 - (C) Annular pancreas
 - (D) Pancreatic pseudocyst

SPACE FOR ROUGH WORK

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