

104/2021

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

11009

Total Number of Questions : 100

Time : 75 Minutes

Maximum : 100 Marks

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 Assistant Superintendent in the examination hall 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 Assistant Superintendent in the examination hall 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 Assistant Superintendent in the examination hall 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.

SEAL

104/2021

1. COVAXIN India's indigenous COVID-19 Vaccine is developed by :
(A) Serum Institute (B) Panacea Biotech
(C) Bharat Biotech (D) Astra Zeneca
2. State in India with the lowest density of population as per 2011 census :
(A) Goa (B) Nagaland
(C) Mizoram (D) Arunachal Pradesh
3. Which writ is considered as the greatest hallmark of personal liberty ?
(A) Habeas Corpus (B) Mandamus
(C) Prohibition (D) Certiorari
4. Hirakud Dam is built across the river :
(A) Narmada River (B) Mahanadi River
(C) Sutluj River (D) Kosi River
5. Sarkaria Commission Report is related to :
(A) Tax Reforms (B) State Funding of Elections
(C) Central State Relationship (D) Reservation of Backward Classes
6. First fully literate town in India :
(A) Thrissur (B) Pathanamthitta
(C) Kottayam (D) Ernakulam
7. Which one of the following is known as suicide bags of cell ?
(A) Lysosomes (B) Chloroplasts
(C) Golgi Complex (D) Mitochondria
8. India's Youngest Mayor :
(A) Devendra Fadnavis (B) Nutan Rathore
(C) Arya Rajendran (D) Surya Sen

9. 'Varika varika sahajare sahana samara samayamaay karalurachu kaikal korthu kaalnadaykku poka nam' - who wrote the poem ?
- (A) Vallathol Narayana Menon (B) Amsi Narayanan Pillai
(C) Kumaran Asan (D) Ulloor S Parameswara Iyer
10. Rasul Pookutty Won Oscar Award for :
- (A) Best Audiography (B) Editing
(C) Sound Mixing (D) Sound Recording
11. Which event was hailed by Gandhiji as a 'Miracle of Modern Times' ?
- (A) Temple Entry Proclamation (B) Vaikom Satyagraha
(C) Nivarthana Prakshobham (D) Guruvayur Satyagraha
12. First United Nations Conference on Environment and Development or 'Earth Summit' was held in :
- (A) Geneva (B) New York (C) San Francisco (D) Rio de Janeiro
13. Who won the Booker Prize, 2020 for his debut Novel 'Shuggie Bain' ?
- (A) Douglas Stuart (B) Margaret At Wood
(C) Bernardine Evaristo (D) Anna Burns
14. The Headquarters of WHO (World Health Organisation) is in :
- (A) New York (B) Geneva (C) Hague (D) Paris
15. The National Dope Testing Laboratory (NDTL) is a premier analytical testing and research organisation functions under the :
- (A) Ministry of Science and Technology
(B) Ministry of Ayush
(C) Ministry of Health and Family Welfare
(D) Ministry of Youth Affairs and Sports

16. The Vice-President of India M. Venkaiah Naidu has presented the National Water Awards (NWAs) for 2019. Among the states category which state won the best state Award ?
(A) Kerala (B) Tamil Nadu (C) Goa (D) Uttar Pradesh
17. Indira Awas Yojana is related to the Construction of :
(A) Rural Housing (B) Rural Roads
(C) Urban Housing (D) Urban Roads
18. First President of Travancore Devaswom Board :
(A) K. Kelappan (B) K. Madhavan
(C) Mannathu Padmanabhan (D) Sankara Narayanan Thampi
19. The National Commission for Women in India was established in :
(A) 1990 (B) 1992 (C) 1986 (D) 1991
20. 'Grandhalokam' is published by :
(A) National Book Trust (B) Kerala Sahithya Academy
(C) Kerala Folklore Academy (D) Kerala State Library Council
21. Over dose of heparin is treated with :
(A) Aspirin (B) Vitamin K (C) Protamine (D) Normal saline
22. Position used in child birth and pelvic examination.
(A) Sims position (B) Lithotomy position
(C) Trendelenburg position (D) Dorsal recumbent position
23. Premature separation of a normally situated placenta after 28th week of pregnancy :
(A) Abruptio placentae (B) Placenta previa
(C) Abortion (D) Hydatiform mole

24. The minimum recommended concentration of free residual chlorine in water :
(A) 0.1 mg/L (B) 0.5 mg/L (C) 1 mg/L (D) 5 mg/L
25. Arterial circulation is ensured before taking sample for ABG analysis by :
(A) Arteriogram (B) Venogram (C) Allen's test (D) Pulse oximetry
26. The receptors which provide information about position of body and sense of equilibrium is :
(A) Interoceptors (B) Tele receptors
(C) Proprioceptors (D) Exteroceptors
27. A condition in which person perceives the sight of rope as a snake ?
(A) Hallucination (B) Delirium (C) Illusion (D) Fantasy
28. The valve located between the left atrium and the left ventricle.
(A) Mitral (B) Aortic (C) Tricuspid (D) Pulmonic
29. Graphic recording of progress of labour :
(A) Cervicogram (B) Partogram (C) Histogram (D) Cardiogram
30. The health program for child health screening and early intervention services :
(A) Rashtriya Bal Swasthya Karyakram (RBSK)
(B) Navajati Shishu Suraksha Karyakram (NSSK)
(C) Janani Suraksha Yojana (JSY)
(D) Integrated Management of Neonatal and Childhood Illness (IMNCI)
31. Normal serum Potassium value ranges between :
(A) 1.5 to 3.7 mEq/L (B) 2.5 to 3.5 mEq/L
(C) 3.7 to 5.2 mEq/L (D) 4.2 to 6.2 mEq/L

32. The ideal technique of roller bandage application for the extended joints.
(A) Simple spiral (B) Reverse spiral
(C) Figure of eight (D) Divergent spica
33. The fetal skeletal shadow can be seen on X-ray by :
(A) 10 weeks (B) 16 weeks (C) 18 weeks (D) 20 weeks
34. The amount of blood pumped by the heart per minute is termed as :
(A) Cardiac output (B) Stroke volume
(C) Cardiac index (D) Pre-load
35. Chlorine demand of well water is estimated by :
(A) Double pot method (B) Orthotolidine test
(C) Horrock's apparatus (D) Clark's method
36. Characteristic type of respiration seen in diabetic ketoacidosis :
(A) Cheyne stokes respiration (B) Hypercapnea
(C) Bitot's respiration (D) Kussmaul respiration
37. Immunoglobulin released during allergic reactions :
(A) IgG (B) IgM (C) IgE (D) IgD
38. The process of abortion has started but not yet reached an irreversible stage :
(A) Threatened abortion (B) Missed abortion
(C) Inevitable abortion (D) Incomplete abortion
39. One gram of protein gives :
(A) 9 calories (B) 6 calories (C) 4 calories (D) 2 calories

40. The characteristic feature seen in scrub typhus :
- (A) Red spot (B) Pleomorphism
(C) Eschar (D) Pustules
41. The ECG rhythm showing a flat line in the monitor indicates :
- (A) Pulseless electrical activity (B) Ventricular fibrillation
(C) Atrial fibrillation (D) Asystole
42. Type of enema which reduces inflammation of tissues :
- (A) Cold enema (B) Astringent enema
(C) Carminative enema (D) Purgative enema
43. Average weight gain during pregnancy :
- (A) 8 - 10 kg (B) 10 - 12 kg (C) 12 - 14 kg (D) 14 - 16 kg
44. Which among these is not included in Braden Scale ?
- (A) Sensory perception (B) Oedema
(C) Moisture (D) Nutrition
45. Health committee on multipurpose workers :
- (A) Shrivastava committee (B) Kartar Singh committee
(C) Mudaliar committee (D) Mukerji committee
46. Route of administration of Covid-19 vaccine :
- (A) Intra dermal over deltoid (B) Subcutaneous over flexor arm
(C) Intra muscular over deltoid (D) Intra muscular over vastus lateralis
47. The gauge size of green coloured IV cannula :
- (A) 16G (B) 18G (C) 20G (D) 22G

48. Child becomes socialized through the family in early childhood years is a process of :
- (A) Pre-socialization (B) Primary socialization
(C) Secondary socialization (D) Tertiary socialization
49. Bell's palsy is associated with weakness of :
- (A) 5th cranial nerve (B) 7th cranial nerve
(C) 9th cranial nerve (D) 10th cranial nerve
50. ESI act came into effect on :
- (A) 1947 (B) 1948 (C) 1950 (D) 1952
51. Amniocentesis is done at :
- (A) 10 - 12 weeks of gestation (B) 7 - 10 weeks of gestation
(C) 12 - 14 weeks of gestation (D) 15 - 18 weeks of gestation
52. The influence of environment in patient care was emphasized by :
- (A) Hildegard Peplau (B) Florence Nightingale
(C) Virginia Henderson (D) Martha Rogers
53. Rovsing's sign is associated with :
- (A) Appendicitis (B) Pancreatitis (C) Cholecystitis (D) Gastritis
54. Pioneers of Immunization :
- (A) Chinese (B) Greek (C) Roman (D) Indian
55. Fetal death after 28 weeks of gestation upto 28 days of births per 1000 live births :
- (A) Perinatal mortality (B) Infant mortality
(C) Neonatal mortality (D) Maternal mortality
56. Which among the following is NOT a superficial vein of upper limbs ?
- (A) Basilic vein (B) Brachial vein
(C) Cephalic vein (D) Median cubital vein

57. Gout occurs because of increased levels of :
(A) Calcium (B) Potassium (C) Oxalate (D) Uric acid
58. The beneficiaries of ICDS programme are all except :
(A) Children in the age group 0-6 years
(B) Pregnant and lactating mothers
(C) Elders above the age of 60
(D) Adolescent girls
59. Pelvic brim is rounded, ischial spine is blunt and sub public angle is 90° in :
(A) Gynaecoid pelvis (B) Android pelvic
(C) Platypelloid pelvis (D) Anthropoid pelvis
60. Which among the following is a classic sign of increased ICP ?
(A) Hyperthermia (B) Hemiparesis
(C) Blurred vision (D) Widened pulse pressure
61. A form of play in which children play adjacent to each other but do not influence the play of other children ?
(A) Solitary play (B) Onlooker play
(C) Parallel play (D) Dramatic play
62. Temporary hardness is produced by :
(A) Calcium sulphate (B) Magnesium sulphate
(C) Calcium chloride (D) Calcium bicarbonate
63. Drugs which dilates pupil ?
(A) Mydriatics (B) Myotics (C) Hypnotics (D) Narcotics
64. Collection of blood or fluid in pericardial sac is called :
(A) Cardiomegaly (B) Cardiac tamponade
(C) Cardiocentesis (D) Cardiomyopathy

65. Slowing down of fetal heart sound on pushing down of fetal head into pelvis is :
(A) Hegar's sign (B) Oslander's sign
(C) Stalworthy's sign (D) Chadwick's sign
66. Presence of which immunoglobulin in serum of newborn indicates congenital infections ?
(A) IgG (B) IgA (C) IgM (D) IgE
67. Restraints are mainly used in :
(A) Preventing injury (B) Preventing bed sore
(C) Improving mobility (D) Improving functional ability
68. Outbreak of disease in birds is called :
(A) Epizootic (B) Endemic (C) Enzootic (D) Epornitic
69. Emergency contraception should be taken :
(A) Before an unprotected sex
(B) Within 24 hrs after unprotected sex
(C) Within 36 hrs after unprotected sex
(D) Within 72 hrs after unprotected sex
70. An antimetabolite drug used in Cancer Chemotherapy :
(A) Methotrexate (B) Cisplatin
(C) Doxorubicin (D) Vincristine
71. Which among the following is to be expected in a person with obsessive compulsive disorder ?
(A) Exhibitionism (B) Repetitive behaviour
(C) Bodily illusion (D) Impulsiveness
72. The incidence of a disease is assessed by doing a :
(A) Cross-sectional study (B) Experimental study
(C) Case-control study (D) Cohort study

73. The largest diameter of pelvic inlet is :
 (A) Antero posterior diameter (B) Transverse diameter
 (C) Oblique diameter (D) Anatomical conjugate
74. Fracture that happen when bone bends and breaks but doesn't break into separate pieces.
 (A) Comminuted fracture (B) Displaced fracture
 (C) Greenstick fracture (D) Open fracture
75. How many doses of vaccine are required for Covid-19 vaccination ?
 (A) One dose (B) Two doses (C) Three doses (D) Four doses
76. Active artificial immunity can be achieved by :
 (A) Immunoglobulin (B) Immunization
 (C) Occurrence of diseases (D) Placental transmission
77. Hamburger shift is observed in :
 (A) Oxygen transport (B) Bicarbonate transport
 (C) Carbohydrate metabolism (D) Protein metabolism
78. The endoscopic examination through end of vagina into rectouterine pouch is called :
 (A) Culdoscopy (B) Proctoscopy (C) Cystoscopy (D) Laparoscopy
79. First fetal movement felt by mother :
 (A) Lightening (B) Braxton Hick's contraction
 (C) Quickening (D) Kick
80. Constant presence of a disease in a given geographic area :
 (A) Epidemic (B) Endemic (C) Pandemic (D) Exotic
81. Chemical sterilant used for disinfecting sharp instruments :
 (A) Alcohol (B) Glutaraldehyde
 (C) Merthiolate (D) Sodium hypochlorite
82. In a patient with recovering from Traumatic brain injury which among the following has to be checked before starting oral feeds ?
 (A) Normal speech (B) Judgement
 (C) Taste sensation (D) Gag reflex

83. A presentation in which baby's buttocks lies in the lower pole of uterus ?
(A) Vertex (B) Mentum (C) Breech (D) Face
84. Which state in India Initiated mid-day meal programme ?
(A) Kerala (B) Maharastra (C) Tamil Nadu (D) Andhra Pradesh
85. Which among the following is an hypertonic solution ?
(A) 0.45% NS (B) 0.33% NS (C) 0.9% NS (D) 3% NS
86. During ET suctioning, care should be taken not to apply suction more than :
(A) 10 seconds (B) 20 seconds (C) 30 seconds (D) One minute
87. An example of high biological value protein food is :
(A) Soyabean (B) Egg (C) Green gram (D) Groundnut
88. Patient receiving opioid analgesic such as morphine should be monitored for :
(A) Temperature (B) Pulse (C) Respiration (D) Blood pressure
89. Chronic carrier stage is seen in :
(A) Diphtheria (B) Tetanus (C) Typhoid (D) Malaria
90. A localised swelling of fetal scalp in labour due to effusion of serum :
(A) Cephal hematoma (B) Contusion
(C) Caput succedaneum (D) Hydrocephalus
91. Surgical correction of hypertrophic pyloric stenosis :
(A) Whipple's resection (B) Brenner's operation
(C) Ramstedt's operation (D) Trendelenburg's operation
92. Thyroid stimulating hormone is produced by :
(A) Thyroid gland (B) Pituitary gland
(C) Pineal gland (D) Adrenal gland

93. Break bone fever refers to :
- (A) Chikun Gunya (B) Dengue Fever
(C) Leptospirosis (D) Malaria
94. The Trained nurses association of India was established in :
- (A) 1904 (B) 1908 (C) 1918 (D) 1914
95. Compression Ventilation ratio in providing Basic Life Support with a single rescuer in an adult victim is :
- (A) 30 : 1 (B) 30 : 2 (C) 15 : 1 (D) 15 : 2
96. The aim of pre-conception care is :
- (A) Preparing the women for delivery
(B) Preparing the couples for parenthood
(C) Care given to adolescent girls
(D) Care given to adolescent boys
97. Integrated counselling and testing centre under NACP is :
- (A) Ushas (B) Jyothis (C) Pulari (D) Prathyasha
98. A condition in which part of the intestine telescopes into itself, which is often a surgical emergency ?
- (A) Volvulus (B) Intussusception
(C) Hernia (D) Diverticulosis
99. The first Leopold maneuver in abdominal palpation of a pregnant women is :
- (A) Pawlik grip (B) Pelvic grip (C) Fundal grip (D) Lateral grip
100. Thrombolytic agent used in Acute ischemic stroke :
- (A) Alteplase (B) Urokinase (C) Streptokinase (D) Heparin

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