

105/2021

Question Booklet  
Alpha Code

A

Question Booklet  
Serial Number

20153

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

# 105/2021

1. National Policy on Bio-fuel unveiled by the Centre in May 2018 was first implemented in :  
(A) Kerala (B) Tamil Nadu (C) Rajasthan (D) Gujarat
2. Which is the longest River in Kerala ?  
(A) Bharathappuzha (B) Periyar  
(C) Pampa (D) Chaliyar
3. Which one of the following country has the longest Coastline ?  
(A) Norway (B) Indonesia (C) Canada (D) India
4. Which of the following countries are separated by the Durand Line ?  
(A) Afghanistan and Pakistan (B) India and Pakistan  
(C) India and China (D) India and Burma
5. Which part of the Indian Constitution guarantees the Fundamental Rights of Citizens ?  
(A) Part I (B) Part II (C) Part III (D) Part IV
6. National Centre for Earth Science Studies situated at :  
(A) Bengaluru (B) Chennai  
(C) New Delhi (D) Thiruvananthapuram
7. The Malayali Chief Justice of India who later became the Chairperson of the National Human Rights Commission :  
(A) M. Fathima Beevi (B) K.G. Balakrishnan  
(C) K.K. Usha (D) S. Rajendra Babu
8. The Kerala State Human Rights Commission was constituted on :  
(A) 11<sup>th</sup> December, 1998 (B) 12<sup>th</sup> October, 1993  
(C) 17<sup>th</sup> April, 1997 (D) 28<sup>th</sup> June, 2005

9. Rekha Sharma, the present chairperson of the National Women's Commission, is a native of :  
(A) Haryana (B) Punjab (C) Maharashtra (D) Uttar Pradesh
10. The Lokayukta Act was passed in :  
(A) 1992 (B) 2013 (C) 2005 (D) 1994
11. The Central Ministry of Women and Child Development is headed by :  
(A) Smriti Zubin Irani (B) Debasree Chaudhuri  
(C) K.K. Shailaja (D) Sumitra Mahajan
12. Which of the following fundamental right was remarked by Dr. B.R. Ambedkar as the "Heart and Soul of the Constitution" ?  
(A) Right to Freedom (B) Right to Constitutional Remedies  
(C) Right to Elementary Education (D) Right to Freedom of Religion
13. Which of the following writ is a bulwark of personal freedom ?  
(A) Mandamus (B) Habeas Corpus  
(C) Quo Warranto (D) Certiorari
14. Which one of the following Constitution Amendment Act inserted Article 21-A in the Indian Constitution ?  
(A) 86<sup>th</sup> Amendment Act, 2002 (B) 74<sup>th</sup> Constitution Amendment Act, 1992  
(C) 61<sup>st</sup> Amendment Act, 1989 (D) 73<sup>rd</sup> Constitution Amendment Act, 1992
15. Which article of the Constitution of India, deals with the advisory jurisdiction of the Supreme Court ?  
(A) Article 74 (B) Article 142 (C) Article 147 (D) Article 143
16. Who won BBC's Sports Personality of the Year Prize 2020 ?  
(A) Hollie Doyle (B) Michael Schumacher  
(C) Jordan Henderson (D) Lewis Hamilton

17. Who wrote the book 'Development as Freedom' ?  
(A) Abhijit Vinayak Banerjee (B) Amiya Kumar Bagchi  
(C) Amartya Sen (D) J.C. Kumarappa
18. The Central Vigilance Commission was set up in the year :  
(A) 1986 (B) 1963 (C) 2008 (D) 1964
19. Fundamental duties were added to the Constitution after the recommendation of which Committee ?  
(A) Kalelkar Committee (B) Ketkar Committee  
(C) Swaran Singh Committee (D) Chavan Committee
20. Panchayati Raj included in :  
(A) Residual List (B) Concurrent List  
(C) State List (D) Union List
21. The Kerala Panchayati Raj Act was passed in the year :  
(A) 1996 (B) 1994 (C) 1998 (D) 1995
22. Who headed the committee appointed by Central Government in 2010 to study the Western Ghats Ecology ?  
(A) Kastoori Rangan (B) Madhav Gadgil  
(C) Sadashiva Rao (D) Prakash Javadekar
23. Who is known as the 'Forest Man of India' ?  
(A) Salim Ali (B) Rajendra Singh  
(C) Jadev Molai Payeng (D) Marimuthu Yoganathan
24. Which of the following is the India's first lunar probe launched by the Indian Space Research Organization ?  
(A) Mangalyaan-1 (B) Chandrayaan-1 (C) Gaganyaan-1 (D) Shukrayaan-1

25. Pollination by Birds is termed as :
- (A) Autogamy (B) Ornithophily  
(C) Entomophily (D) Anemophily
26. Covaxin is developed by :
- (A) Bharat Biotech (B) Serum Institute  
(C) Pfizer (D) Johnson and Johnson
27. What is Bryology ?
- (A) Study of food (B) Study of mosses and liverworts  
(C) Study of fruit (D) Study of the growth of tree rings
28. When was Kerala Land Reform Act, which puts an end to the feudal system, passed ?
- (A) 1960 (B) 1957 (C) 1969 (D) 1992
29. The real name of Swami Dayanand Saraswathi was :
- (A) Abhi Shankara (B) Mula Shankara  
(C) Gauri Shankara (D) Adi Shankara
30. If an ambulance is approaching :
- (A) No preference should be given  
(B) Allow free passage by moving to the side of the road  
(C) Just ignore it  
(D) Provide passage if there are no vehicles on the other side
31. The Kerala Cinema (Regulations) Act came into existence in :
- (A) 1955 (B) 1939 (C) 1958 (D) None
32. Hostile witness is a :
- (A) Reliable witness (B) Eye witness  
(C) Independent witness (D) Unfavourable witness

33. Ombudsman stands against :
- (A) Corruption (B) Nepotism  
(C) Abuse of position (D) All
34. Which of the statement is true about artesian well ?
- (A) Not common in India  
(B) It is a kind of deep well  
(C) Water comes above the ground level due to natural pressure  
(D) All the above
35. Dissolved organic impurity in water :
- (A) Algae (B) Bacteria  
(C) Virus (D) Albuminoid ammonia
36. Analysis for free residual chlorine :
- (A) Biochemical oxygen demand (B) Chemical oxygen demand  
(C) Ortho toline test (D) Bacteriological examination
37. Equipment used for measuring and regulating chlorine gas in water :
- (A) Horrock's apparatus (B) Chloronome  
(C) Double pot (D) All
38. Plantar Wart is associated with :
- (A) Swimming pool (B) Rain water  
(C) River water (D) None
39. 'Arresters' used for :
- (A) Water purification (B) Air purification  
(C) Mosquito control (D) Noise control
40. Function of 'Water Seal' :
- (A) Prevents foul gas (B) Prevents fly breeding  
(C) Both (D) None

41. Sunlight is a significant factor of :  
 (A) Septic tank (B) Soakage pit (C) RCA latrine (D) Oxidation pond
42. Which one is **true** about anopheles ?  
 (A) Eggs laid singly (B) Eggs laid in cluster  
 (C) Eggs are oval shaped (D) All
43. Plenum Ventilation :  
 (A) Air is forced out from the room  
 (B) Air is forced into the room  
 (C) Regulates temperature, humidity and velocity of air  
 (D) None
44. Waste disposal combined with human excreta :  
 (A) Dumping (B) Controlled tipping  
 (C) Burial (D) Composting
45. Oxidized Sewage is collected from :  
 (A) Activated sludge process (B) Primary sedimentation tank  
 (C) Grit chamber (D) Screening chamber
46. Resin and castor oil used to kill :  
 (A) Flies (B) Mosquitoes (C) Ticks (D) Lice
47. Zinc Phosphide is used to kill rodent with wheat flour in the ratio of :  
 (A) 1 : 10 (B) 1 : 4 (C) 10 : 1 (D) 4 : 1
48. Lathyrus Sativus causes :  
 (A) Blindness (B) Kwashiorkor (C) Paralysis (D) Fluorosis
49. IOL is used for :  
 (A) Cataract (B) Refractive errors  
 (C) Goiter (D) Night blindness

50. Colour code for microbiology waste according to the biomedical waste management 2016 :
- (A) Yellow                      (B) Red                      (C) White                      (D) Blue
51. Armadillos are the reservoir of :
- (A) M. leprae                      (B) M. tuberculosis  
(C) N. meningitidis                      (D) None
52. Adequate treatment stands for :
- (A) Primary prevention                      (B) Secondary prevention  
(C) Tertiary prevention                      (D) None
53. Specific death rate is calculated for :
- (A) Particular disease                      (B) Particular age  
(C) Particular sex                      (D) All
54. Which vaccine is stored in freezer compartment ?
- (A) TT                      (B) BCG                      (C) DPT                      (D) Measles
55. Severe type of influenza :
- (A) Type A                      (B) Type B                      (C) Type C                      (D) Type D
56. Which among the following disease shows longest incubation period ?
- (A) Cholera                      (B) Chikungunya                      (C) Malaria                      (D) Filaria
57. Which of the following disease **does not** have carriers ?
- (A) Meningococcal meningitis                      (B) Typhoid  
(C) Whooping cough                      (D) Diphtheria
58. Hepatitis-B vaccine protects against :
- (A) HBV and HAV                      (B) HBV and HCV  
(C) HBV and HDV                      (D) HBV and HEV

59. Which of the following is a live attenuated vaccine ?  
(A) TT (B) Diphtheria (C) Both (D) None
60. Which one is called 'Social Disease' ?  
(A) Rabies (B) STD (C) TB (D) All
61. Leishmaniasis is transmitted by :  
(A) Air (B) Water (C) Food (D) Vector
62. Antiretroviral treatment is offered to :  
(A) Chickenpox (B) H1N1 (C) HIV/AIDS (D) None
63. 'Barrier Nursing' :  
(A) Preventive measure for nosocomial infection  
(B) Nursing care for old age  
(C) Nursing care for infants  
(D) None
64. 'Three cleans' in the prevention of neonatal tetanus :  
(A) Clean blade, clean towel, clean water  
(B) Clean hands, clean surface, clean cord  
(C) Clean floor, clean air, clean toilet  
(D) Clean hands, clean legs, clean mouth
65. In epidemiology, occupation stands for :  
(A) Agent factor (B) Host factor  
(C) Environmental factor (D) None
66. Which one of the following comes under principles of primary health care ?  
(A) Appropriate treatment (B) Multisectoral approach  
(C) MCH care (D) Provision of essential drugs

67. Which strategy was adopted by India to achieve specific goals for HFA ?  
(A) Essential health care (B) Multipurpose workers scheme  
(C) National health policy (D) National population policy
68. Millennium Development Goal was adopted by the UN in the year :  
(A) 1995 (B) 2000 (C) 2010 (D) 2015
69. Sensitive indicator of the effectiveness of health care :  
(A) Crude birth rate (B) Crude death rate  
(C) Expectancy of life (D) Infant mortality rate
70. Sum of years of potential life lost due to premature mortality and the years of productive life lost due to disability is :  
(A) HALE (B) DALY (C) HDI (D) PQLI
71. Asphyxia caused by the obstruction in airway due to the food :  
(A) Croup (B) Stridor (C) Choking (D) None
72. Bleeding from nose :  
(A) Hemoptysis (B) Epistaxis (C) Hematuria (D) Hematemesis
73. Which of the following causes anaphylactic shock ?  
(A) Heart attack (B) Stroke (C) Insect sting (D) Choking
74. First aid for arm fracture :  
(A) Cover with plaster (B) Apply sling  
(C) Wash with soap (D) None
75. The best way to control bleeding :  
(A) Elevation (B) Tourniquet  
(C) Direct pressure (D) None

76. Man-made disaster :
- (A) Earthquake (B) Tsunami  
(C) Nuclear explosion (D) Flood
77. Reduction of impact in disaster management cycle :
- (A) Preparedness (B) Mitigation  
(C) Triage (D) Rehabilitation
78. Minor mental illness :
- (A) Schizophrenia (B) Paranoia (C) Neurosis (D) None
79. The tourist group under a guide is an example of :
- (A) Crowd (B) Mob (C) Herd (D) None
80. Grandfather, father and grandchildren living in one house :
- (A) First generation family (B) Nuclear family  
(C) Joint family (D) Three generation family
81. Master gland of human body :
- (A) Hypothalamus (B) Thyroid (C) Pancreas (D) Pituitary
82. Length of human gestation :
- (A) 200 days (B) 250 days (C) 280 days (D) 350 days
83. Leucocytes are produced in :
- (A) Spleen (B) Liver (C) Bone marrow (D) Pancreas
84. Elbow joint is a :
- (A) Fibrous joint (B) Hinge joint  
(C) Ball and socket (D) None

85. Smallest bone in human body :  
(A) Stapes (B) Femur (C) Jawbone (D) Sternum
86. Food Safety Act comes under the heading of :  
(A) Primary health care approach (B) Service approach  
(C) Regulatory approach (D) Educational approach
87. Which of the following stimulates primitive desire ?  
(A) Health education (B) Verbal communication  
(C) Propaganda (D) None
88. A line with an objective is essential for :  
(A) Sender (B) Message (C) Audience (D) All
89. Psychological barrier in communication :  
(A) Noise (B) Belief  
(C) Fear (D) Hearing difficulty
90. Which of the following is a teaching method with series of speeches ?  
(A) Workshop (B) Panel discussion  
(C) Group discussion (D) Symposium
91. Blood smear collection and distribution of antimalarials is performed in :  
(A) Drug distribution centres  
(B) Fever treatment depots  
(C) Survey education and treatment centres  
(D) ART centres
92. Agency for implementing and monitoring national AIDS control programme :  
(A) NHM (B) NACO (C) NACP (D) None

93. Regional filaria training and treatment centre situated in Kerala :
- (A) Thiruvananthapuram (B) Alappuzha  
(C) Ernakulam (D) Kozhikode
94. The aim of leprosy eradication is to reduce the case load to :
- (A) Less than 10/1000 population (B) Less than 1/1000 population  
(C) Less than 10/10000 population (D) Less than 1/10000 population
95. Empowered Action Group is focused on :
- (A) Environmental sanitation (B) Family welfare programmes  
(C) Blood safety (D) Cancer detection
96. Causative agent of mumps :
- (A) Paramyxovirus (B) Lyssa virus  
(C) Toga virus (D) Herpes virus
97. Gram negative bacteria :
- (A) E. coli (B) N. meningitidis  
(C) Y. pestis (D) All
98. Albendazole is the drug of choice of :
- (A) Pin worm (B) Hook worm (C) Round worm (D) All
99. Washing hands with soap is a :
- (A) Concurrent disinfection (B) Terminal disinfection  
(C) Prophylactic disinfection (D) All
100. Which of the following is used for room disinfection ?
- (A) Alcohol (B) Chlorine (C) Formalin (D) Mercurochrome

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