

090/21

Question Booklet Alpha Code

A

	Question Booklet Sl. No.
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A

Total Number of Questions : 100

Time : 75 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.

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1. Primary curves of vertebral column are
  - A) Thoracic and pelvic
  - B) Cervical and lumbar
  - C) Thoracic and lumbar
  - D) Thoracic and cervical
  
2. Venous drainage of heart is into
  - A) Right Atrium
  - B) Left Atrium
  - C) Pulmonary Artery
  - D) Pulmonary Vein
  
3. 'Sphincter of Oddi' is seen in
  - A) Cystic duct
  - B) Pancreatic duct
  - C) Duodenum
  - D) Jejunum
  
4. Aldosterone increases the excretion of
  - A) Sodium
  - B) Water
  - C) Potassium
  - D) All the above
  
5. Amount of air remaining in the air passages and alveoli at the end of quiet expiration is
  - A) Inspiratory capacity
  - B) Inspiratory reserve volume
  - C) Tidal volume
  - D) Functional residual capacity
  
6. Hormone which prevent synthesis or release of gonadotropins is
  - A) Thyroxine
  - B) ACTH
  - C) ADH
  - D) Melatonin
  
7. Immature RBCs are known as
  - A) Myeloblasts
  - B) Megakaryocytes
  - C) Reticulocytes
  - D) None
  
8. Spermatozoa are produced in
  - A) Epididymis
  - B) Seminiferous tubules
  - C) Leydig cells
  - D) Spermatic cord

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9. True about External Auditory Meatus is
- A) Outer  $\frac{1}{3}$ <sup>rd</sup> cartilaginous and inner  $\frac{2}{3}$ <sup>rd</sup> bony
  - B) Outer  $\frac{2}{3}$ <sup>rd</sup> cartilaginous and inner  $\frac{1}{3}$ <sup>rd</sup> bony
  - C) Outer  $\frac{1}{3}$ <sup>rd</sup> bony and inner  $\frac{2}{3}$ <sup>rd</sup> cartilaginous
  - D) Outer  $\frac{2}{3}$ <sup>rd</sup> bony and inner  $\frac{1}{3}$ <sup>rd</sup> cartilaginous
10. Taste buds are innervated by
- A) 7, 9, 10 cranial nerves
  - B) 6, 7, 9 cranial nerves
  - C) 9, 10 cranial nerves
  - D) 7, 10 cranial nerves
11. The use of drug for curing diseases and relieving their symptoms is concerned with
- A) Chemotherapy
  - B) Pharmacology
  - C) Therapeutics
  - D) Pharmacokinetics
12. Oxidation of drug occurs mainly in the
- A) Liver
  - B) Lungs
  - C) Stomach
  - D) Kidney
13. Drug that reduce itching are called
- A) Antiemetics
  - B) Antipruritus
  - C) Analgesics
  - D) None of these
14. Alteration of a drug in a living organism is known as
- A) Biological lag
  - B) Biotransformation
  - C) Bioavailability
  - D) Toxicology
15. All of the following drugs are example of drug inhibitors except
- A) Cimetidine
  - B) Omeprazole
  - C) Rifampicin
  - D) Ciprofloxacin
16. Strain used for BCG Vaccine
- A) RA 27/3
  - B) Danish 1331
  - C) OKA strain
  - D) Edmonston zagreh strain

**A**

17. The proportion of clinical cases resulting in the severe clinical manifestations is called
- A) Infectivity                      B) Virulence                      C) Viraemia                      D) Pathogenicity
18. Who introduced antiseptic techniques in surgery ?
- A) Edward Jenner                      B) James Lind  
C) Joseph Lister                      D) John Snow
19. The first case to come to the attention of the investigator
- A) Primary case                      B) Index case  
C) Secondary case                      D) Suspect case
20. Disinfection of water by routine chlorination can be classified as
- A) Sterilisation                      B) Concurrent disinfection  
C) Terminal disinfection                      D) Precurrent disinfection
21. A person who has fallen from a height is suspected of a spinal injury. The first aider should identify the following except
- A) Twist in normal curve of spine  
B) Abnormal sensation  
C) Normal breathing  
D) Pain in neck or back at the level of injury
22. Hemlich's maneuver is performed in a victim to
- A) Position a person with spinal injury  
B) Stop bleeding from a wound  
C) Dislodge object from throat  
D) Drain water out of stomach
23. International Day of Disabled is observed on
- A) 2<sup>nd</sup> Wednesday of October                      B) December 3<sup>rd</sup>  
C) December 13<sup>th</sup>                      D) September 3<sup>rd</sup>
24. Yellow, in the four colour code triage system during disaster management indicates
- A) Medium priority                      B) Transfer  
C) High priority                      D) Ambulatory

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25. A person who has bitten by a snake manifests excessive bleeding from bitten area, vomiting, expansion of eye lids and slow pulse. A first aider should suspect
- A) Kobra bite
  - B) Krait bite
  - C) Koral snake bite
  - D) Viper bite
26. Rehabilitation which includes restoration of family function and personal dignity and confidence
- A) Social rehabilitation
  - B) Vocational rehabilitation
  - C) Psychosocial rehabilitation
  - D) Psychological rehabilitation
27. Expand DALY.
- A) Disease Adjusted Life Years
  - B) Disability Adjusted Lost Years
  - C) Disability Adjusted Life Years
  - D) Disease Adjusted Lost Years
28. The disaster mitigation and emergency prevention in health sector includes one among the following
- A) Triage at the site of disaster
  - B) Epidemiologic surveillance and disease control
  - C) Ensure basic sanitation
  - D) Prevent hazards or lessen the effect of emergencies
29. The main public safety aspect of water quality during rehabilitation phase of disaster
- A) Hardness of water
  - B) Scarcity of water
  - C) Microbial contamination
  - D) Chemical contamination
30. Expand CARE.
- A) Coordination of Assistance for Rural Emergencies
  - B) Cooperative for Assistance and Relief Everywhere
  - C) Cooperative for Assistance and Rural Emergencies
  - D) Coordination of Assistance and Relief Everywhere
31. Objective of Open Vial Policy – 2015
- A) To prevent heat damage
  - B) To ensure maximum coverage of vaccination
  - C) Strategy to prevent vaccine reaction
  - D) To reduce vaccine wastage

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32. Which among the following disease is having longest incubation period ?  
A) Malaria                      B) Filaria                      C) Chickenpox                      D) Dengue
33. Man-mosquito-man transmission is possible in  
A) Japanese Encephalitis                      B) Chikungunya  
C) Kala-Azar                      D) Yellow fever
34. Which among the following rickettsia infection is not transmitted through arthropods ?  
A) Scrub typhus                      B) Q. fever  
C) Murine typhus                      D) Trench fever
35. Which among the following is considered as familial disease ?  
A) Trachoma                      B) Leprosy                      C) Cholera                      D) None
36. Foot-pad culture used for  
A) Detecting bacterial species                      B) Preventing bacterial growth  
C) Detecting drug resistance                      D) All the above
37. Which among the following statement is wrong ?  
A) Breast milk, rectal fluid and blood stained saliva can spread HIV  
B) Faeces, urine and sweat are not spreading HIV  
C) Genital secretion and tears can spread HIV  
D) Cerebrospinal fluid and synovial fluid can spread HIV
38. Conventional net treated with insecticide and IRS is recommended for  
A) API more than 5                      B) API 2 or more  
C) API less than 2                      D) API less than 1
39. Which of the following vaccine is lastly introduced in India ?  
A) Pentavalent                      B) IPV                      C) Rotavirus                      D) MR vaccine
40. Which of the following concept is iceberg of disease ?  
A) Physician sees symptomatic cases  
B) Physician does not see pre-symptomatic cases  
C) Both A) and B)  
D) None

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41. Name the first country which took initiative to implement family planning programme.  
A) China                      B) Canada                      C) Switzerland                      D) India
42. Which among the following is not included in the four pillars of Primary Health Care ?  
A) Community Participation                      B) Intersectoral Co-ordination  
C) Man to Man Participation                      D) Appropriate Technology
43. Name the Local Registrar for birth and death.  
A) Secretary of Grama Panchayath  
B) Medical Officer PHC  
C) District Health Officer  
D) None of these
44. SET Centre is connected with which disease ?  
A) Tuberculosis              B) Malaria                      C) Filaria                      D) Leprosy
45. Among the following which is the responsibility of JHI to control TB ?  
A) Conduct BCG Vaccination                      B) Identify fever cases  
C) Give Presumptive Treatment                      D) Collect followup smears
46. "VPD" Stands for  
A) Very Potent Medicine                      B) Vaccine Preventable Diseases  
C) Established Depot Holder                      D) None of these
47. Which one of the following is not an authorized source of Vital Statistics ?  
A) Census  
B) Registration of births, death and marriage  
C) National Sample Survey  
D) Social Survey
48. Name the Central Government funded Health Insurance Project Launched in the year 2018.  
A) Ayushman Bharath                      B) Life Insurance of India  
C) New Insurance India                      D) Neethi Ayog

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49. There should be one Primary Health Centre for every \_\_\_\_\_ population.  
A) 25000                      B) 30000                      C) 20000                      D) 5000
50. Among the following which is the time limit for registration of Birth and Death ?  
A) 14 days and 7 days                      B) 7 days and 14 days  
C) 21 days and 7 days                      D) 7 days and 10 days
51. 'Green belts' in industrial area comes under the category of  
A) Replacement                      B) Containment                      C) Dilution                      D) Legislation
52. Therapeutic measure in premature infants with hyperbilirubinemia is  
A) Breast milk                      B) Nebulizer                      C) Incubator                      D) Day light
53. Wrong statement about noise.  
A) Workers who are continuously exposed more than 85 dB need to wear hearing protectives  
B) Rise in blood pressure is an adverse effect of noise  
C) Audiometer is used to measure hearing ability  
D) Acceptable noise level in hospital ward is 40-60 dB
54. Unit of absorbed dose of radiation  
A) Roentgen                      B) Rad                      C) Rem                      D) All the above
55. Which one of the following is an inert waste material ?  
A) Market refuse                      B) Domestic refuse  
C) Stable refuse                      D) Industrial refuse
56. Estimated number of E.coli in one gram of excreta  
A) 100 million                      B) 100 lakh                      C) 1000 million                      D) 10 million
57. Activated sludge process  
A) Primary treatment in modern sewage process  
B) Secondary treatment in modern sewage process  
C) Disposal method of sludge  
D) Compost making process

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58. Filarial parasite in culex mosquito
- A) Propagative biological transmission
  - B) Cyclo-propagative biological transmission
  - C) Cyclo-developmental biological transmission
  - D) None
59. Which one is a wrong statement ?
- A) Flea has no wings
  - B) Pubic louse does not transmit disease
  - C) House fly infects food by vomiting
  - D) Sand fly transmit relapsing fever
60. Which of the proportion is a rodenticide ?
- A) One part of zinc phosphide with 4 parts of flour
  - B) One part of zinc phosphide with 10 parts of flour
  - C) One part of flour with 4 parts of barium carbonate
  - D) Ten parts of zinc phosphide with one part of flour
61. Purpose of communication
- A) Information
  - B) Propaganda
  - C) Entertainment
  - D) All of the above
62. A type of communication in which receiver has the chance of asking questions and clearing doubts
- A) One-way communication
  - B) Two-way communication
  - C) Non-verbal communication
  - D) Verbal communication
63. Audience remain as passive in which method of health education ?
- A) Role play
  - B) Group discussion
  - C) Lecture
  - D) Workshop
64. Method of health education in which learn by exchanging their views and experiences
- A) Group discussion
  - B) Role play
  - C) Symposium
  - D) Workshop

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65. The type of communication in which uses accepted form, rule or custom  
A) Informal communication                      B) Formal communication  
C) Face to face communication                D) All of the above
66. Flow of information from the audience to the sender is  
A) Message    B) Sharing  
C) Medium    D) Feedback
67. Headquarter of International Union for Health Education is  
A) New York    B) Geneva  
C) Paris    D) Rome
68. "The people have a right and duty to participate individually and collectively in the planning and implementation of their health care" is related to  
A) Alma-Ata Declaration  
B) World Health Organisation  
C) International Union for Health Education  
D) Central Health Education Bureau
69. Which of the following is not a cultural barrier to communication ?  
A) Customs                      B) Beliefs                      C) Religion                      D) Noise
70. Theme World Health Day 2020  
A) Universal Health Coverage : Everyone, Everywhere  
B) Beat Diabetes  
C) Support Nurses and Midwives  
D) Depression : Let's talk
71. Which of the following is not associated with Panchayati Raj System of India ?  
A) GVK Rao Committee                              B) VKRV Rao Committee  
C) PK Thungon Committee                        D) Dr. LM Singhvi Committee
72. Which of the following is/are included in the structure of Panchayati Raj System ?  
A) Gram Panchayat                                      B) Zila Parishad  
C) Nyaya Panchayat                                    D) All of the above



79. Good time management skills includes
- A) Organizing the work in a better manner for improving efficiency
  - B) Planning
  - C) Goal-setting
  - D) All of the above
80. High employee turnover is inefficient, management should provide orderly personnel planning
- A) Stability of tenure of personnel
  - B) Unity of direction
  - C) Order
  - D) Division of words
81. 'Extrovert' was the term coined by
- A) Adler
  - B) Carl Jung
  - C) Karen Horney
  - D) Sigmund Freud
82. According to Freud, Super Ego is based on \_\_\_\_\_ principle.
- A) Reality
  - B) Pleasure
  - C) Morality
  - D) All of the above
83. The period of "Storm and Stress" is
- A) Adulthood
  - B) Adolescence
  - C) Babyhood
  - D) Childhood
84. "Hierarchy of Needs" theory put forward by
- A) Maslow
  - B) Adler
  - C) Watson
  - D) Allport
85. The Psychologist who developed the concept of Defense Mechanism
- A) Adler
  - B) Wundt
  - C) Freud
  - D) Cooley
86. Marriage of one woman with several men is
- A) Polygamy
  - B) Polygyny
  - C) Monogamy
  - D) Polyandry
87. An associative social process is
- A) Conflict
  - B) Co-operation
  - C) Competition
  - D) Contravention

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88. Who proposed the term “Medical Sociology” ?  
A) Sumner                      B) Nimkoff                      C) McIntire                      D) Comte
89. Social control by rewards or punishment was called as  
A) Mores                      B) Folkways                      C) Norms                      D) Sanctions
90. “Consanguine Family” which consist of members with \_\_\_\_\_ relationship.  
A) Sexual    B) Blood  
C) Authority    D) All of the above
91. Non-modifiable risk factors of coronary heart disease include all the following except  
A) Obesity                      B) Sex                      C) Age                      D) Personality
92. Lorentz formula for calculating Body Mass Index is  
A)  $\frac{\text{Actual Weight}}{\text{Desirable Weight}}$   
B) Height in cm – 100  
C)  $\frac{\text{Weight (kg)}}{\text{Height}^2(\text{m})}$   
D)  $\text{Height(cm)} - 100 - \left[ \frac{\text{Ht(cm)} - 150}{2(\text{women or 4 men})} \right]$
93. The phenomenon of persistence of rank order where the blood pressure levels of individuals were followed over a period of years from childhood to adult life  
A) Rule of halves    B) Tracking  
C) Surveillance    D) None of these
94. In diabetes, Insulin resistance leads to the following syndrome  
A) Syndrome Z    B) Turner’s syndrome  
C) Cushing’s syndrome    D) Syndrome X
95. The sexually transmitted virus that can be seen in more than 95% of cervical cancer  
A) Cytomegalovirus    B) Human Papilloma virus  
C) Hepatitis B Virus    D) Epstein - Barr virus

**A**

96. The largest voluntary organisation working for the care of disadvantaged older people
- A) NCOP
  - B) OASIS
  - C) Indira Gandhi National Old Age Pension Scheme
  - D) Help Age India
97. The most appropriate method of treatment of biomedical waste in yellow plastic bag
- A) Incineration
  - B) Autoclaving
  - C) Shredding
  - D) Microwaving
98. The process of mixing waste with cement and other substances in order to minimise the risk of toxic substances migrating to ground water
- A) Screw feed technology
  - B) Incineration
  - C) Chemical disinfection
  - D) Inertization
99. The major manifestations in revised Jone's criteria for the diagnosis of Rheumatic Heart Disease are the following except
- A) Carditis
  - B) Polyarthralgia
  - C) Chorea
  - D) Erythema marginatum
100. The corner stone of palliative care is
- A) Community Based Organisations
  - B) Home Based Care
  - C) Non Governmental Organisations
  - D) Recognised Medical Institutions
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Space for Rough Work



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