

051/2017



Question Booklet
Alpha Code

A

Question Booklet
Serial Number

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.





17. Odour control methods include
- A) Filtration
 - B) Oxidation
 - C) Adsorption
 - D) All of the above
18. Visual aids in hospitals providing direction, orientation warning and identification of the operations and services in a hospital is called
- A) Notice
 - B) Alarms
 - C) Signage
 - D) Signals
19. Which of the following makes a hospital senior citizen friendly ?
- A) Steps
 - B) Ramps
 - C) Thresholds
 - D) Slippery floor
20. Which of the following do not determine the “falls prevention” in hospitals ?
- A) Building
 - B) Lighting
 - C) Patient education
 - D) Infection control
21. Waste containing excreta is called
- A) Sullage
 - B) Garbage
 - C) Sewage
 - D) Rubbish
22. Disease spread by reuse of needles is
- A) Tuberculosis
 - B) Hepatitis B
 - C) Diabetes
 - D) Dengue
23. Sharps are to be deposited in the bin with the colour
- A) Black
 - B) Green
 - C) Blue
 - D) Yellow



24. The solution commonly used to disinfect needles in hospitals is made of
- A) Potassium permanganate B) Bleaching powder
C) Normal saline D) Hydrogen peroxide
25. The hazard sign for biosafety should be present on
- A) Waste bins B) Vehicles carrying waste
C) Wheel barrows carrying waste D) All of the above
26. The hospital acquired infection which can be prevented by vaccination
- A) HIV B) Hepatitis B
C) Malaria D) Leprosy
27. The following infection rate is an indicator of infection control in hospitals
- A) Chicken pox B) Measles infection
C) Urinary tract infection D) Tuberculosis infection
28. IMAGE is an organization working on
- A) X ray B) Hospital waste
C) CT scan D) Interior designs of hospitals
29. Gloves should be worn to prevent hospital acquired infections while doing procedures for
- A) All patients B) Only for HIV patients
C) Only in theatres D) Only during injections
30. Hospital Infection Control Committee does not have representatives of
- A) Nurses B) Doctors
C) Patients D) Administration



31. The new aspect included in the tetrahedron concept of Fire Triangle rather than the old fire triangle
 - A) O_2
 - B) Chain reaction
 - C) Heat
 - D) Combustible material
32. A, B and C class of fire can be extinguished by
 - A) Water
 - B) Foam
 - C) Dry Chemical Powder
 - D) None of the above
33. The fire hazard due to the structure trolley wheels and chair trolley wheels in hospitals is by
 - A) Heat
 - B) Electrostatic discharge
 - C) Spontaneous combustion
 - D) Dust explosion
34. In case of burns percentage of adult body involved in Rule of Nine, if both legs are burn
 - A) 55%
 - B) 36%
 - C) 40%
 - D) 20%
35. During fire in hospitals which one cannot be considered as means of escape
 - A) Staircases
 - B) Pressurised staircases
 - C) Fire escape
 - D) Lift
36. Which is the safety device to prevent hazards due to high voltage electric discharge ?
 - A) Hooters
 - B) Downcommer system
 - C) Lightning conductor
 - D) Spark arrester
37. The advanced Fire Protection System in High Voltage Transformers is
 - A) Deluge Valve
 - B) Emulsifier Fire Protection System
 - C) Dry riser
 - D) Downcommer
38. In AC ducts and fire fighting shafts, what is used as a smoke controlling device ?
 - A) Hose Box
 - B) Hooters
 - C) Fire dampers
 - D) Fire alarm
39. Blue coloured sprinkler head with fusible bulbs can withstand temperature upto
 - A) $57 - 77^\circ\text{C}$
 - B) $79 - 107^\circ\text{C}$
 - C) $121 - 149^\circ\text{C}$
 - D) $260 - 302^\circ\text{C}$
40. Fire extinguishing medium that can be used in Computer Server Rooms and fire involving in Electronic systems
 - A) CO_2
 - B) Dry Chemical Powder
 - C) Foam
 - D) Water



41. Temporary hardness of water is due to the presence of
A) Sulphates B) Bicarbonates C) Sodium D) Chlorine
42. Emulsifying power of detergent
A) Lowers the surface tension
B) Delays the soiling process
C) Breaks up the grease and loosen the dirt particles
D) Has absorptive function
43. Recent pollution of water is indicated by the presence of
A) Saline ammonia B) Zinc C) Nitrates D) Chlorine
44. Which item is not included in the bed linen group ?
A) Bed sheet B) Pillow case C) Gowns D) Blankets
45. Phenol is active against
A) Gram positive organism
B) Both gram positive and gram negative organism
C) Gram negative organism
D) Spores
46. The method of sterilization used for sterilizing plastics, catgut is
A) Ultra Violet (UV) Rays B) Infra Red Rays
C) Gamma Rays D) Filtration
47. The average workload of soiled linen per patient per day in Indian teaching hospital is
A) 6 – 7 kg B) 2.5 kg – 3.5 kg C) 8 – 9 kg D) 4.5 kg – 5 kg
48. Which activity is not included in the primary phase of sewage treatment ?
A) Screening B) Primary sedimentation
C) Grit chamber D) Trickling filter
49. The basic ingredient of any detergent is
A) Surfactants B) Antiseptics C) Radiators D) Cleaners
50. Which disinfectant has an intermediate level of germicidal effect ?
A) Centrimide B) Cresol
C) Hexachlorophane D) Chlorhexidine



51. The major source of dioxins and furans are from
A) Burning of plastics B) Burning of cotton
C) Burning of blankets D) Burning of body parts
52. The process of inactivating micro-organism by direct exposure to chemical agent or physical agent is called
A) Sterilization B) Disinfection C) Tyndallisation D) Pasteurization
53. The requirement of water for washing 1 Kg of linen is
A) 15 L of hot water and 10 L of cold water
B) 5 L of hot water
C) 10 L of hot water
D) 25 L of hot water and 5 L of cold water
54. The disinfection of infectious agent as soon as it released from the body is called
A) Prophylactic disinfection B) Terminal disinfection
C) Intermittent disinfection D) Concurrent disinfection
55. Which machine is used to remove blood and faeces from the bed sheet ?
A) Hydroextractor B) Sluicing machine
C) Washer D) Trumbler
56. General lighting of all hospital area should be of
A) 100 Lux B) 50 Lux C) 150 Lux D) 200 Lux
57. The laundry floor should be made of
A) Wood B) Tiles C) Marbles D) Dust proof concrete
58. The process by which combustible material is burned at high temperature under controlled condition to convert waste into harmless mineral residue and gases is called
A) Autoclaving B) Microwaving C) Burning D) Incineration
59. Most important source of ground water is
A) Wells B) River C) Rain D) Pond
60. The laundry should be located in the
A) Ground floor near clean area B) First floor
C) Ground floor D) Near out patient department



61. The advantage of centralised purchasing is
- A) Lower purchasing costs because of consolidation of orders
 - B) Lower inventory cost
 - C) Quantity discount and better management control
 - D) All of the above
62. The common source of energy for pacemaker is
- A) Mercury battery
 - B) Ordinary dry cell
 - C) Nuclear battery
 - D) Solar cell
63. Who has the overall responsibility for efficient functioning of the medical records department ?
- A) Department head
 - B) Administrator
 - C) Biomedical engineer
 - D) Record keeping staffs
64. Most blood pumps use the principle of
- A) Peristaltic compression
 - B) Centrifuge
 - C) Compression
 - D) Normal acceleration
65. Documents used to control the procurement of equipment by laying down the performance and other associated criteria is termed as
- A) Specification
 - B) Standards
 - C) Regulation
 - D) Codes
66. Ground faults can be avoided by using
- A) Three pin plug system
 - B) Fuses in the circuits
 - C) Isolated power supply
 - D) Pure D.C. alone
67. The general type of standards for medical devices is
- A) Voluntary standard
 - B) Mandatory standard
 - C) Proprietary standard
 - D) All of the above
68. All apparatus in contact with a patient during cardiac catheterization must be designed to prevent
- A) Macro shock
 - B) Grounding
 - C) Leakage current
 - D) Virus infection



69. All are components of Standard precautions EXCEPT
- A) Proper sharp and waste disposal
 - B) Environmental cleaning
 - C) Hand hygiene
 - D) Antibiotics to all inpatients in the hospital
70. Which of the following does not belong to the WHO scheme for hand hygiene implementation ?
- A) Before touching the patient
 - B) After body fluid exposure
 - C) After touching the patients surroundings
 - D) None of the above
71. Which belongs to the aseptic techniques in invasive line insertion ?
- A) Shaving of skin before insertion of invasive lines
 - B) Wiping of hub of cannula with alcohol swab
 - C) Routinely changing central venous catheter to prevent catheter related infection
 - D) Recapping needles after injection
72. Personal Protective Equipment (PPE) includes all EXCEPT
- A) Gowns
 - B) Vaccines
 - C) Splash shields
 - D) Gloves
73. Which of the following diseases is transmitted by airborne route ?
- A) Measles
 - B) Polio
 - C) Hepatitis A
 - D) HIV (Human Immunodeficiency Virus)
74. All of the following are high level disinfectants EXCEPT
- A) Glutaraldehyde
 - B) Hydrogen peroxide
 - C) Hypochlorite
 - D) Ethyl alcohol



75. Method of sterilisation for heat labile instruments include ?
- A) Autoclave
 - B) Hot air oven
 - C) Ethylene oxide
 - D) Inspissation
76. Which is the area most frequently missed during hand washing ?
- A) Tips of fingers
 - B) Dorsum of palm
 - C) Back of hands
 - D) Wrist
77. Chance of infection by needle stick injury is highest for
- A) HIV (Human Immunodeficiency Virus)
 - B) HBV (Hepatitis B Virus)
 - C) HCV (Hepatitis C Virus)
 - D) Malaria
78. Alcohol-based hand gel SHOULD NOT be used
- A) Prior to contact with patient
 - B) If the patient has a respiratory infection
 - C) If hands are visibly dirty
 - D) If fingernails are chipped
79. When should you remove your Personal Protective Equipment (PPE) ?
- A) Before leaving patients room
 - B) In the room of next patient
 - C) In the hallway
 - D) At the nurses station
80. All of the following are common nosocomial infections EXCEPT
- A) Pseudomonas
 - B) Staphylococcus aureus
 - C) Mycobacterium tuberculosis
 - D) Klebsiella



81. Mahatma Gandhi Employment Guarantee Programme guarantees
A) 150 days employment B) 100 days employment
C) 80 days employment D) 60 days employment
82. The imaginary circles drawn parallel to the eqator
A) Lattitude B) Longitude
C) Tropic of cancer D) Tropic of capricon
83. Jawahar Lal Nehru became the President of Indian National Congress in the year
A) 1927 B) 1928 C) 1929 D) 1930
84. Who is known as the 'Missile Man' of India ?
A) Moulana Abul Kalam Azad B) A.P.J. Abdul Kalam
C) Moulana Mohammed Ali D) Abdul Khader Moulavi
85. Cassius Clay was the reputed champion in the field
A) Wrestling B) Boxing
C) Weight lifting D) Swimming
86. 'Anandamahasabha' was the contribution of
A) Swami Vivekananda B) Swami Dayananda
C) Sree Narayana Guru D) Brahmananda Siva Yogi
87. Jaya Jaya Kerala Komala Dharani is the poem written by
A) Buddha B) Bodhisatwa
C) Bodheswara D) Bhaskara
88. The tri colour flag hoisted for the first time on
A) 31st December 1929 B) 15th August 1929
C) 26th January 1950 D) 1st November 1956
89. The first lady imprisoned for participating in Salt Satyagraha
A) Rani Lakshmi Bai B) Rugmini Lakshmi pathi
C) Captain Lakshmi D) Vijayalakshmi Pandit
90. The birth place of Sahodaran Ayyappan
A) Vaikkam B) Vaippin
C) Vaittila D) Vaithiri



91. Vernacular Press Act was passed by
 A) Lord Lytton
 B) Lord Rippon
 C) Lord Curzon
 D) Lord Irwin
92. The first Election Commissioner of India
 A) T.N. Seshan
 B) Sukumar Sen
 C) M.S. Gill
 D) Nazeem Ahammed
93. Prophet of Kerala Renaissance
 A) Sree Narayana Guru
 B) K. Kelappan
 C) Kumaranasan
 D) Dr. Palpu
94. First Education Minister of Independent India
 A) Joseph Mundassery
 B) Moulana Abul Kalam Azad
 C) Mathew Tharakan
 D) Mamman Mappila
95. The famous city of Kolkata situated on the banks of
 A) Hugli
 B) Yamuna
 C) Godavari
 D) Kaveri
96. Radclife line separates India from
 A) Pakisthan
 B) Afganisthan
 C) China
 D) Tibet
97. Rabeendranath Tagore gave up his Honarary title 'SIR' as a result of
 A) Wagon Tragedy
 B) Amritser Tragedy
 C) Quit India Movt.
 D) Salt Satyagraha
98. 'Back to Vedas' the famous slogan given by
 A) Swami Dayananda
 B) Ramakrishna
 C) Rajaram Mohan Roy
 D) Sir Sayyed Ahammed Khan
99. Which is the river Chourni in Koutilya's Arthasastra ?
 A) Periyar
 B) Bharatapuzha
 C) Chaliyar
 D) Pampa
100. The man who became a member in Rajyasabha from film field
 A) Mammooty
 B) Suresh Gopi
 C) Mohan Lal
 D) Mukesh



Space for Rough Work



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