

DO NOT OPEN THIS QUESTION BOOKLET UNTIL YOU ARE ASKED TO DO SO

Date: 4th December, 2021

QUESTION BOOKLET: District Selection Committee

Name of post: Dark Room Assistant/X-Ray Attendant/X-Ray Assistant

SERIES A

TIME ALLOWED: 10:00 AM - 12:30 PM

MAXIMUM MARKS: 270

1. Before encoding the Question Booklet version code in the OMR sheet, you should check that this Question Booklet does NOT have any unprinted or torn or missing pages or questions etc. If so, get it replaced by a complete 'Question Booklet' of the available series.
2. Write and encode clearly the Question Booklet Version code A as the case may be, in the appropriate space provided for the purpose, in the OMR Answer Sheet.
3. This Question Booklet contains 162 no. of questions and questions no.1 & 160 are to be answered in OMR sheet and questions no.161 & 162 to be answered in blanksheet which will be supplied to you. Each MCQ question contains four responses (answers) and are objective in nature. Select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE ANSWER for each question.
4. All the responses should be marked ONLY on Answer Sheets provided and ONLY in **Black Ballpoint Pen**. See instructions in the Answer Sheet.
5. Attempt all questions. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet.
6. Sheets for rough work are appended in the Question Booklet at the end. You should not make any marking on any other part of the Question Booklet.
7. Immediately after the final bell indicating the conclusion of the examination, stop making any further markings in the Answer Sheet.

Choose the correct option from the following .Each question carries 1 mark (1x100)= 100 marks)

1. 'Mission Indradhanush' is related to -
(a) Bullet train project (b) Agriculture development (c) Women empowerment
(d) Full Immunization
2. Scheme of Mid-Day Meal is NOT connected with
(a) Educational advancement (b) Social equity (c) Right to food (d) Child nutrition
3. The most abundant acid in grape is-
(a) Tartaric acid (b) Citric acid (c) Ascorbic acid (d) Gallic acid
4. Which one of the following is the richest source of Vitamin 'A'?
(a) Banana (b) wheat (c) Rice (d) Mango
5. Who founded Asiatic Society of Bengal?
(a) William Jones (b) David Hane (c) Lord Ripon (d) A O Hume
6. Grammy Award is given in the field of-
(a) Acting (b) Music (c) Singing (d) Boxing
7. RBCs are formed in the ____ in the adults
(a) Blue bone marrow (b) Red bone marrow (c) White bone marrow (d) Black bone marrow
8. Blood Bank of human body is-
(a) spleen (b) pancreas (c) gall bladder (d) none of these
9. Major producer of Mulberry silk in India is-
(a) Karnataka (b) Assam (c) Himachal Pradesh (d) Jharkhand
10. Betel leaf of which one of the following states has been accorded a GI tag recently ?
(a) Andhra Pradesh (b) Mizoram (c) Kerala (d) Madhya Pradesh
11. The 'Red Data Book' is related to-
(a) Pollution of rivers (b) Decreasing underground water level (c) Animals near extinction (d) Air pollution
12. Ozone at the higher level of the atmosphere is a product of ____ acting on oxygen molecules
(a) Gamma rays (b) X-rays (c) UV rays (d) IR radiation
13. Which system in a human body is responsible for transporting nutrients and other substances to different parts of the body-?
(a) The Nervous System (b) The Skeletal System (c) The Muscular System (d) The Circulatory System
14. Marble is an example of which rock ?
(a) Igneous rock (b) Sedimentary Rock (c) Metamorphic rock (d) none of these
15. Which country was called a 'Nation of Shopkeepers' by Napoleon Bonaparte?
(a) Germany (b) Italy (c) England (d) Hungary
16. An atom bomb was dropped on the city of Hiroshima on
(a) August 9, 1945 (b) August 6, 1945 (c) August 14, 1946 (d) none of these
17. To which dynasty did Ashoka belong ?
(a) Vardhana (b) Maurya (c) Kushan (d) Gupta

18. The President of the Indian National Congress in 1885 was
(a) George Yule (b) Dadabhai Naoroji (c) WC Bannerji (d) none of these
19. Who is the current Prime Minister of Bangladesh ?
(a) Khaleda Zia (b) Sheikh Hasina (c) Sheikh Rehana (d) Sajeeb Wajed
20. Who gave the 'Inquilab Zindabad' slogan ?
(a) Iqbal (b) MK Gandhi (c) Bhagat Singh (d) SC Bose
21. Right to education to all children between the age of 6 to 14 years is-
(a) Included in the Directive Principle of State Policy (b) A Fundamental Right (c) A Statutory (d) none of these
22. Which is the Upper Chamber of State Legislature in India ?
(a) Legislative Council (b) Legislative Assembly (c) Governors Office (d) none of these
23. Who is known as Father of White Revolution in India ?
(a) MS Swaminathan (b) V Kurien (c) KN Bahal (d) BP Pal
24. What is the name given to the common currency of the European Union?
(a) Rupee (b) Rouble (c) Franc (d) Euro
25. During period of inflation, rates should
(a) increase (b) decrease (c) remain constant (d) fluctuate
26. *SHEKEL* is the currency of
(a) Israel (b) Kenya (c) Iran (d) Iraq
27. India's largest Commercial Bank is
(a) Central Bank of India (b) State Bank of India (c) HDFC Bank (d) none of these
28. Nobel Prize winning Indian Amartya Sen is known for his work in which area ?
(a) Physics (b) Chemistry (c) Economics (d) none of these
29. Richter Scale is used for measuring
(a) Humidity of air (b) Velocity of wind (c) Density of liquid (d) Intensity of earthquake
30. Which of the following Sea has the highest salinity in the world?
(a) Black Sea (b) Dead Sea (c) Mediterranean Sea (d) Red Sea
31. 'Golden Revolution' refers to the development of-
(a) Oilseeds (b) Pulses (c) Horticulture (d) Fodder
32. Which dam of India is the highest ?
(a) Mettur (b) Rihand (c) Thein (d) Bhakra
33. Which place is said to be the 'Manchester of South India'?
(a) Coimbatore (b) Salem (c) Thanjavur (d) Madurai
34. In which of the following states population of scheduled tribes is largest in the country in 2011?
(a) Mizoram (b) Gujarat (c) Maharashtra (d) Madhya Pradesh
35. To which of the following Indian States does 'NYISHI' tribe belong ?
(a) Bihar (b) Chhattisgarh (c) Arunachal Pradesh (d) Tamilnadu
36. Kanha National Park is famous for
(a) Lions (b) Cows (c) Elephants (d) Tigers

37. The dispute over Siachin Glacier is between
(a) India and China (b) India and Nepal (c) India and Bhutan (d) India and Pakistan
38. Blood Cancer is commonly known as-
(a) Leucoderma (b) Leukaemia (c) Haemophilia (d) Anaemia
39. Female Culex mosquito is vector of-
(a) Malaria (b) Filariasis (c) Ring-worm (d) none of these
40. How much protein a working woman must intake everyday?
(a) 30g (b) 37 g (c) 40g (d) 45 g
41. Use of polished rice in human diet causes the following disease ?
(a) Beriberi (b) Goitre (c) Night blindness (d) Colour blindness
42. The first cloned animal Dolly was a
(a) Dog (b) Rabbit (c) Cat (d) sheep
43. Kharif crops are grown from
(a) January to March (b) November to April (c) May to June (d) none of these
44. 'AADHAR' is a programme-
(a) to help senior citizens (b) to provide nutritional support to adolescent woman (c) to train people for social defence (d) to provide identity to Indian residents
45. 'Tsunami' a tidal wave is a ____ word
(a) Chinese word (b) Korean word (c) Japanese word (d) Indian word
46. Which of the following is non-biodegradable pollutant?
(a) Plastic (b) DDT (c) Mercury (d) All
47. Natural sources of air pollution are-
(a) Forests fires (b) Volcanic eruptions (c) Dust storm (d) Smoke from burning dry leaves
48. DDT
(a) Green house gas (b) Degradable pollutant (c) Non degradable pollutant (d) none of these
49. Chief Minister is appointed by-
(a) The President (b) The Governor (c) The Chief Justice of High Court (d) none of these
50. The worlds only floating national park is situated in-
(a) Manipur (b) Dispur (c) Bilaspur (d) Kuala Lumpur
51. An example of false fruit is-
(a) Guava (b) Apple (c) Mango (d) Tomato
52. Which pollution causes Jaundice?
(a) Water (b) Air (c) Hand (d) Thermal
53. Ozone hole is maximum over-
(a) Europe (b) Antarctica (c) India (d) Africa
54. Who was the first woman Chief Minister of Uttar Pradesh ?
(a) Annie Besant (b) Mayawati (c) Kriplani (d) none of these

55. Raj Ghat is the memorial of ____
(a) Indira Gandhi (b) Rajiv Gandhi (c) Jawaharlal Nehru (d) Mahatma Gandhi
56. Name the first ever female Prime Minister in the world
(a) Golda Meir (b) Indira Gandhi (c) Sirimavo Bhandaranaike (d) none of these
57. What is the duration of a Test Match ?
(a) 3 days (b) 4 days (c) 1 days (d) 5 days
58. Name the person who was also known as Deshbandhu
(a) S Radhakrishnan (b) GK Gokhale (c) Chittaranjan Das (d) MM Malviya
59. Golf player Vijay Singh belongs to which country
(a) USA (b) Fiji (c) India (d) UK
60. *The Blue Revolution* is related with
(a) Fish production (b) Food Grain Production (c) Oilseed Production (d) none of these
61. Whose creations are Harshcharita and Kadambari ?
(a) Kalhan (b) Panini (c) Bana Bhatta (d) Patanjali
62. Tiger Wood is associated with which of the following sport -
(a) cricket (b) golf (c) Badminton (d) Hockey
63. *Agha Khan Cup* is related with which sport event
(a) Hockey (b) Cricket (c) Table Tennis (d) Football
64. Pentagon is the military head quarter of
(a) UK (b) USA (c) Russia (d) China
65. In which state is the Elephant Falls located ?
(a) Mizoram (b) Orissa (c) Manipur (d) Meghalaya
66. Who is called the Father of English Poetry ?
(a) Charles Dickens (b) Milton (c) Wordsworth (d) Chaucer
67. Which gas was used for the first time in world War 1 ?
(a) Chlorine (b) Nitrogen (c) Hydrogen (d) Helium
68. Dragon is the national symbol of
(a) Japan (b) China (c) Korea (d) Thailand
69. 'National Youth Day' is related to which of the following
(a) Mahatma Gandhi (b) Swami Vivekananda (c) RN Tagore (d) none of these
70. Which instrument is used to measure atmospheric pressure ?
(a) Hydrometer (b) Barometer (c) Manometer (d) none of these
71. Which state has the lowest per capita income in India ?
(a) Bihar (b) Orissa (c) Rajasthan (d) Gujarat
72. The term "Fourth Estate" refers to
(a) Backward States (b) Judiciary (c) Press (d) Tea Estate
73. World No- Tobacco Day is observed on which date ?
(a) May 25 (b) May 31 (c) May 28 (d) May 24

74. She is the "Minister of Women and Child Development" in the Union Cabinet of India since May, 2019
(a) Maneka Gandhi (b) Sushma Swaraj (c) Smriti Zubin Irani (d) Kiran Bedi
75. Which village in Meghalaya has been selected as ' Best Tourism Village ' by the UNWTO (The World Tourism Organisation) recently ?
(a) Nongjrong village (b) Kongthong village (c) Tynring village (d) Nongkrem village
76. 'White Coal' is
(a) Uranium (b) Ice (c) Hydro-electricity (d) Diamond
77. Dengue is transmitted by-
(a) Culex (b) Male Anopheles (c) Aedes (d) none of these
78. Thyroid gland is situated in our
(a) Liver (b) Neck (c) Arm-pits (d) Stomach
79. The brand name of 16 digit Unique Identification Number to be assigned to each individual in the country will be-
(a) Pehchan (b) Maadhyam (c) Aadhar (d) Aabhar
80. The Indian Parliament consists of-
(a) Lok Sabha only (b) Lok Sabha and the President (c) Rajya Sabha only (d) the President, Rajya Sabha and Lok Sabha
81. Cabinet means
(a) All Ministers in the Governance (b) Ministers with Cabinet Rank (c) Minister of State (d) none of these
82. How many times the President of India can seek re election to his post ?
(a) once (b) 2 times (c) 3 times (d) any number of times
83. Which one of the following States has a separate Constitution ?
(a) Arunachal Pradesh (b) Assam (c) Jammu and Kashmir (d) Sikkim
84. Panchayati Raj is organised at the
(a) Block level (b) Village, Block and District level (c) Village and Block level (d) none of these
85. Who conducts the State Assembly Elections ?
(a) Chief Justice of High Court (b) State Election Commission (c) Election Commission of India
(d) None of these
86. Which one of the following is the oldest oil refinery in India ?
(a) Digboi (b) Koyali (c) Haldia (d) Mathura
87. The Sahara Desert is located in which Continent ?
(a) Africa (b) South America (c) North America (d) Asia
88. Which of the following is the longest river in the world ?
(a) Amazon (b) Nile (c) Mississippi (d) Danube
89. The lowest layer of the atmosphere is
(a) Stratosphere (b) Mesosphere (c) Troposphere (d) none of these
90. Which of the following is NOT a natural greenhouse gas ?
(a) Nitrogen (b) Water Vapour (c) Methane (d) Carbondioxide
91. Gir National Park in Gujarat is famous for ?
(a) Tiger (b) Lion (c) Elephant (d) Clouded Leopard

92. Saina Nehwal is associated with which sports
(a) Table Tennis (b) Badminton (c) Hockey (d) Shooting
93. Who wrote the book "Broken Wing"?
(a) Kiran Desai (b) Salman Rushdie (c) Sarojini Naidu (d) Kiran Bedi
94. Strongest muscle of man found in-
(a) Wrist (b) Finger (c) Jaw (d) Leg
95. Which acid is found in Lemon ?
(a) Tartaric acid (b) Citric acid (c) Acetic acid (d) Carboxylic acid
96. Which is the first Biosphere Reserve in India ?
(a) Nokrek (b) Nilgiri (c) Pachmarhi (d) Sundarbans
97. 'Entomology' is the study of-
(a) Birds (b) Reptiles (c) Insects (d) Animals
98. Name the border line between India and Pakistan
(a) Radcliffe Line (b) Line of Control (c) Mc Mohan Line (d) Durand Line
99. What is the percentage of water on the floor of our planet ?
(a) 70% (b) 71% (c) 76% (d) 72%
100. What is the Sanskrit meaning of Meghalaya ?
(a) Rain Forest (b) Abode of Mountains (c) Abode of Clouds (d) Wettest place
- Each Question carries 2 marks (2x 30=60 marks)
101. Which of the following carbohydrates is most abundant in nature ?
(a) glucose (b) fructose (c) starch (d) cellulose
102. Vitamin C is -
(a) ascorbic acid (b) nicotinic acid (c) citric acid (d) tartaric acid
103. Chemical name of Vitamin A is-
(a) thiamine (b) axerophthol (retinol) (c) ascorbic acid (d) nicotinamide
104. Soft soaps are-
(a) Sodium salt (b) Calcium salt (c) Magnesium salt (d) Potassium salt
105. Fat is
(a) A lipid (b) A protein (c) A carbohydrate (d) An Amino acid
106. Which of the following is used for making bullet proof vests ?
(a) Boric acid (b) Borax (c) Boron carbide (d) none of these
107. Which variety of glass is used for the manufacture of optical glasses ?
(a) Sodium glass (b) Flint glass (c) Ground glass (d) Quartz
108. Glass is a
(a) Liquid (b) Colloid (c) Non- Crystalline Amorphous solid (d) Crystalline solid
109. Most impure form of carbon is-
(a) Graphite (b) Anthracite (c) Lamp Black (d) Wood Charcoal
110. Which one of the following types of radiation has the shortest wavelength ?
(a) Radio waves (b) Visible light (c) Infrared (IR) (d) Ultraviolet (UV)

111. Insects can move on the surface of water without sinking due to
(a) Dynamic lift (b) Viscosity of water (c) Surface tension of water (d) none of these
112. Light year is a measurement of-
(a) speed of aeroplanes (b) speed of rockets (c) stellar distances (d) speed of light
113. Which colour of heat radiation represents the highest temperature?
(a) blood red (b) dark cherry (c) salmon (d) white
114. Another word for software is
(a) input (b) output (c) program (d) system
115. An instrument used to measure humidity is
(a) anemometer (b) hygrometer (c) thermometer (d) pyrliometer
116. A barometer is used to measure which one of the following
(a) Current (b) atmospheric pressure (c) humidity (d) altitude
117. Waves used in Sonography are-
(a) Micro waves (b) infra-red waves (c) sound waves (d) ultrasonic waves
118. Plant which grow in saline soil are
(a) Xerophytes (b) Hydrophytes (c) Halophytes (d) Succulents
119. Substance found in blood which help in clotting
(a) Fibrinogen (b) Heparin (c) Thrombin (d) Globine
120. The nature of nerve impulse
(a) Physical (b) Chemical (c) Electrochemical (d) Biophysical
121. The stone formed in human kidney consist mostly of
(a) Calcium Oxalite (b) Sodium Oxalite (c) Sodium Acetate (d) Calcium
122. Pituitary gland is situated in-
(a) Brain (b) Throat (c) Kidney (d) Pancreas
123. To protect iron against corrosion, the durable metal plating on it is-
(a) Tin plating (b) Copper plating (c) Zinc plating (d) Nickel plating
124. Medicines are more effective ,if they are used in
(a) Solution state (b) Gaseous state (c) Colloidal state (d) Solid state
125. A typical example of a semiconductor is
(a) platinum (b) germanium (c) quartz (d) mica
126. For an astronaut in a space ship, the sky appears
(a) black (b) white (c) green (d) blue
127. Radar is used to
(a) locate submerged submarines (b) receive signal from radio receivers (c) detect and locate distant objects (d) none of these
128. The most powerful computer is
(a) Micro Computer (b) Super Computer (c) Mini Computer (d) none of these
129. Hard copy of a document is
(a) Printed on printer (b) Stored in floppy (c) Store in CD (d) none of these

130. The smallest unit of a digital image is a
(a) Pixel (b) Palette (c) Array (d) Loop

Each Question carries 3marks (3 x 5) = 15 marks

131. What is the Square Root of 81 ?
(a) 8 (b) 9 (c) 10 (d) 11
132. A car travelled 281 miles in 4 hours 41 minutes. The average speed of the car in mph ?
(a) 1250 meters/ minute (b) 1340 meters/ minute (c) 1200 meters/ minute (d) none of these
133. There are 6 boxes of pens in a store. There are 4 pencils in each box. How many pencils are in the store ?
(a) 24 (b) 26 (c) 28 (d) 21
134. 64 sweets are put in boxes that contain 8 sweets each. How many boxes are needed ?
(a) 8 (b) 7 (c) 10 (d) 10
135. What is 5 Squared Equal to ?
(a) 24 (b) 20 (c) 26 (d) 25

Each Question carries 2 marks (2 x 25) = 50 marks

Choose the correct word from the options below

136. Please do not _____ an offer made by the chairman
(a) refuse (b) deny (c) refrain (d) refuge
137. Health is too important to be
(a) neglected (b) discarded (c) despised (d) detested
138. The truck was _____ when the bus rammed into it
(a) stationery (b) machinery (c) stationary (d) machinary
139. The railway coaches _____ by the integral Coach Factory Chennai
(a) is manufactured (b) are manufactured (c) are manufacture (d) is being manufactured

Fill in the blanks with correct prepositions

140. The meeting took place _____ the company's corporate office
(a) at (b) to (c) on (d) by
141. I lost my passport _____ the way to India.
(a) in (b) at (c) by (d) on
142. I forgot my umbrella _____ the bus
(a) in (b) into (c) on (d) by
143. That old house is being offered _____ sale
(a) in (b) for (c) at (d) by

Choose the correct articles from the given options below

144. Ram gave me _____ one rupee note
(a) a (b) an (c) the (d) no article

145. Has ___ postman brought any letter for me today ?

- (a) the (b) a (c) an (d) no article

146. He is ___ honour to his profession

- (a) an (b) a (c) the (d) no article

Each of the following idioms is followed by four meanings. Indicate which is correct

147. *To be a good Samaritan*

- (a) A religious person (b) A genuinely charitable person (c) To be obedient (d) To be law abiding

148. *The Alpha and Omega*

- (a) A beautiful object (b) Beginning and End (c) Rise with a new life (d) none of these

149. *To smell a rat*

- (a) To smell foul (b) To see a rat (c) To chase a rat (d) To be suspicious

150. *Yeoman's Services*

- (a) Medical help (b) Excellent work (c) Social work (d) Hard work

Complete the following by using the correct question tags

151. We have not met before, ___?

- (a) did we (b) didn't we (c) haven't she (d) have we

152. I am senior to you, ___?

- (a) do I (b) don't I (c) aren't I (d) isn't I

153. He is a very wise man, ___?

- (a) isn't he (b) wasn't he (c) hasn't he (d) none of these

154. I do not now live in this colony, ___?

- (a) did I (b) aren't I (c) don't I (d) do I

Choose the word which is most nearly the same in meaning as the given words

155. INTEGRITY

- (a) Essence (b) Honesty (c) Embodiment (d) Edifice

156. HUE AND CRY

- (a) Desperate (b) Sad (c) Public outcry (d) Selfish

157. DEMISE

- (a) Result (b) Death (c) Default (d) Unseen

Select the pair of words identical to the pair given in question

158. ISTHMUS:LAND::?

- (a) Wire: Pole (b) Strait: Body of water (c) Neck: Head (d) Opening: Tunnel

159. ASTRONOMY:ASTROLOGY::?

- (a) Geology : Geometry (b) Magic: Science (c) Chemistry:Alchemy (d) Folklore:Fable

160. STRINGS:VIOLIN::?

(a) Wind:Leaves (b) Air:Flute (c) Membrane:Drum (d) Pedal:Organ

161. Write an Essay on the following topics in 250 words (*anyone*) 1x 25= 25 marks

(A) Environmental Pollution

Or

(B) Global Warming

162. Write a letter to the Editor of Shillong Times about water scarcity in your locality ____ 20 marks