



Government of West Bengal

West Bengal State Haj Committee (WBCS Coaching & Guidance Cell)

Haj Tower-cum-Empowerment Centre
VIP Road, Kaikhali, Kolkata-700 052



Mock Test Set-6

30/12/2022

Time

3:00 PM to 6:00 PM

Marks : 200

West Bengal Civil Service Mains Examinations'22

GENERAL STUDIES-II MOCK TEST

- Bacillus thuringiensis is used to control
A. fungal pathogens B. nematodes C. bacterial pathogens D. insect pests
- The primary treatment of waste water involves the removal of
A. dissolved impurities B. stable particles C. toxic substances D. harmful bacteria
- The vitamin whose content increases following the conversion of milk into curd by lactic acid bacteria is
A. vitamin C B. vitamin D C. vitamin B12 D. vitamin E
- The bones of forelimbs of whale, bat, cheeah and man are similar in structure, because
A. one organism has given rise to another B. they share a common ancestor
C. they perform the same function. D. the have biochemical similarities
- $(p+q)^2 = p^2 + 2pq + q^2 = 1$ represents an equation used in
A. population genetics B. Mendilian genetics
C. biometrics D. molecular genetics
- Fossils are generally found in
A. sedimentasry rocks B. igneous rocks C. metamorphic rocks D. any type of rock
- Which of the following is an example for link species ?
A. Lobe fish B. Dodo bird C. Seaweed D. Chimpanzee
- According to Oparin, which one of the following was not present in the primitive atmosphere of the earth ?
A. Methane B. Oxygen C. Hydrogen D. Water vapour
- Identify the correct arrangement of periods of Palaeozoic era in ascending order in geological time scale.
A. Cambrian → Devonian → Ordovician → Silurian → Carboniferous → Permian
B. Cambrian → Ordovician → Silurian → Devonian → Carboniferous → Permian
C. Cambrian → Ordovician → Devonian → Silurian → Carboniferous → Permian
D. Silurian → Devonian → Cambrian → Ordovician → Permian → Carboniferous
- The ship used by Charles Darwin during the sea voyages was
A. HMS Beagle B. HSM Beagle C. HMS Eagle D. HSM Eagle

11. Match the list of microbes in Column I with their commercially important products in Column II.

Column I

Column II

- A. Lactobacillus
B. Clostridium butylicum
C. Aspergillus niger
D. Saccharomyces cerevisiae
E. Acetobacter aceti

1. Acetic acid
2. Citric acid
3. Lactic acid
4. Butyric acid

- A. A-2, B-3, C-4, D-1
C. A-4, B-2, C-1, E-3

- B. A-3, B-4, C-2, E-1
D. A-3, B-4, D-1, E-2

12. A human female reaches menopause around the age of

- A. 50 years B. 15 years C. 70 years D. 25 years

13. Which of the following will not result in variations among siblings ?

- A. Independent assortment of genes
C. Linkage
- B. Crossing over
D. Mutation

14. Genes which code for a pair of contrasting traits are known as

- A. dominant genes B. alleles C. linked genes D. none of these

15. Number of autosomes present in liver cells of a human female is

- A. 22 autosomes B. 22 pairs C. 23 autosomes D. 23 pairs

16. What can be the blood group of offspring when both parents have AB blood group ?

- A. AB only B. A, B and AB C. A, B, AB and O D. A and B only

17. If both parents are carriers for thalassaemia, which is an autosomal recessive disorder, what are the chances of pregnancy resulting in an affected child ?

- A. 25 % B. 100 % C. No chance D. 50 %

18. Schizophrenia is an example of _____ ?

- A. Allergy B. Mental Illness C. Organic Degenerative Diseases D. None of the above

19. Which sugar is present in RNA?

- A. Hexose B. Ribose C. Fructose D. Glucose

20. How many amino acids are needed to make proteins?

- A. 19 B. 20 C. 21 D. 22.

21. Myopia may occur because ____

- A. the eyeball is too short from front to back
B. the eyeball is elongated from front to back
C. the muscles that control the lens may lose power as people grow older
D. None of these

22. Which type of muscle is found in your digestive system?

- A. Rectus abdominus B. Cardiac muscle C. Smooth muscle D. Stomach muscles.

23. Albumin is the most important protein in blood serum. It is produced by which of the following organs?

- A. Heart B. Lungs C. Liver D. Endocrine glands

24. What is Blubber?
 A. A layer of thick fat
 B. A device to trap insects by some aquatic
 C. A milky secretion of rubber plant
 D. Fungal infection of rice plants
25. An Antigen is ____ :
 A. The result of Antibody
 B. The stimulus for Antibody formation
 C. The opposite of Antibody
 D. The residue of an Antibody
26. Which of the following bacterium causes crown gall disease in plants?
 A. Agrobacterium tumefaciens
 B. Pseudomonas fluorescens
 C. Bacillus thuringiensis
 D. None of the above
27. Sycon (Scypha), Spongilla (Fresh water sponge) and Euspongia (Bath sponge) are examples of which Phylum?
 A. Porifera
 B. Ctenophora
 C. Platyhelminthes
 D. Coelenterat
28. Yeast is an important source of ____ :
 A. Invertase
 B. Vitamin B
 C. Vitamin C
 D. Protein
29. A dioecious flowering plant prevents ____ .
 A. Geitonogamy and xenogamy
 B. Autogamy and xenogamy
 C. Autogamy and geitonogamy
 D. Cleistogamy and xenogamy
30. Bt toxin is produced by a bacterium called ____ .
 A. Bacillus thuringiensis
 B. Bacillus anthracis
 C. Bacillus thermophilus
 D. Bacillus subtilis
31. Symbiotic Bacteria responsible for the fixation of atmospheric nitrogen are present in ____ :
 A. Peas
 B. Oats
 C. Corn
 D. Wheat
32. Production of alcohol from organic compounds by microorganisms is known as ____ :
 A. Anaerobic respiration
 B. Aerobic respiration
 C. Combustion
 D. Fermentation
33. The 'Devonian period' is considered to be as
 A. age of fishes
 B. age of amphibians
 C. age of reptiles
 D. age of mammals.
34. The reason behind decrease in the boiling point of water at higher altitudes is :
 A. high temperature
 B. low temperature
 C. high atmospheric pressure
 D. low atmospheric pressure
35. Which method can be applied to determine purity of a metal ?
 A. Boyle's law
 B. Pascal's law
 C. Archimedes principle
 D. Newton's law
36. Cause of rainbow formation is :
 A. refraction, reflection and dispersion
 B. refraction and dispersion
 C. refraction and scattering
 D. diffraction and reflection
37. Which type of coal produces the greatest energy ?
 A. Coal
 B. Anthracite
 C. Lignite
 D. Bituminous

38. Which device is used to measure the speed of wind ?
 A. Altimeter B. Anemometer C. Calorimeter D. Chronometer
39. Spectacles used for viewing 3D films have
 A. Polaroids B. Concave lens C. Convex lens D. Bifocal lens
40. The pitch of sound depends on its
 A. amplitude B. velocity C. frequency D. All of the above
41. The slope of a velocity-time graph represents
 A. distance B. acceleration C. speed D. All of the above
42. Which of the following is commonly called a 'poly-amide' ?
 A. Terylene B. Nylon C. Rayon D. Orlon
43. Which type of fire extinguisher is used for petroleum fire?
 A. Powder type B. Liquid type C. Soda acid type D. Foam type
44. 'No two electrons in an atom can have the same set of four quantum numbers' is stated in
 A. Newton's law B. Bohr's law
 C. Aufbau principle D. Pauli's exclusion principle
45. Who suggested that most of the mass of the atom is located in the nucleus?
 A. Thompson B. Bohr C. Rutherford D. Einstein
46. Which of the following has a least penetrating power?
 A. All have same penetrating power B. Beta Particles
 C. Alpha particles D. Gamma rays
47. Which of the following is used as a moderator in nuclear reactor?
 A. Thorium B. Graphite C. Radium D. Ordinary water
48. Young's modulus is the property of
 A. Gas only B. Both Solid and Liquid
 C. Liquid only D. Solid only
49. Minimum distance between an object and real image of a convex lens is:
 A. $4f$ B. $3f$ C. $2f$ D. f
50. Which one of the following has the highest value of specific heat ?
 A. Alcohol B. Methane C. Kerosene D. Water
51. The image formed in a compound microscope is
 A. erect B. inverted
 C. sometimes erect, sometimes inverted D. none
52. A system containing two equal and opposite charges separated by a finite distance is called as:
 A. Electric flux B. Electric dipole C. Electric field D. None of the above
53. What is the effect on the capacitance of a conductor when an earthed conductor is brought near it?
 A. Decreases B. Increases C. No effect D. Always decrease

82. Quick lime has the formula
 A. CaO B. Ca(OH)₂ C. NaOH D. Na₂CO₃
83. An element which is preserved under water is
 A. Sodium B. red phosphorus C. white phosphorus D. sulphur
84. The formula for cane sugar is
 A. C₆H₁₂O₆ B. C₂H₅OH C. C₁₂H₂₂O₁₁ D. C₇H₈O
85. The form of carbon used in the decolourising sugar solution is
 A. wood charcoal B. animal charcoal C. coconut charcoal D. lamp black
86. Alum is used
 A. as an analgesic B. in the purification of water C. as a fertilizer D. as a disinfectant
87. If people sleep in closed rooms where the charcoal fire is burning, they die due to
 A. carbon monoxide B. carbon dioxide C. methane D. phosgene
88. The Long Form of the Periodic Table is based on
 A. atomic weight B. valency C. atomic number D. atomic radius
89. Which of the following is the heaviest metal?
 A. osmium B. mercury C. iron D. nickel
90. Which of the following indicator used in determination of hardness?
 A. EBT B. Phenolphthalein C. Methyl orange D. Thymol blues
91. Which of the following is not the components of photochemical smog that occurs in warm, dry and sunny climate?
 A. NO₂ B. O₃ C. SO₃ D. Unsaturated hydrocarbon
92. Which one is not the form of Biocides?
 A. Salt B. Iodine C. Sugar D. Bleach
93. Natural rubber is a _____ which is having high elasticity.
 A. Substance B. Material
 C. Elastomer D. Chemical using carbon as main compound
94. Which of the following is called philosopher's wool?
 A. Zinc bromide B. Zinc nitrate C. Zinc oxide D. Zinc chloride
95. What is the pH value of pure water?
 A. 6.4 B. 6.6 C. 7 D. 7.4
96. The solution of one of the following compounds will conduct electricity. This compound is:
 A. CCl₄ B. HCl C. CaCl₂ D. CH₃Cl
97. Who had discovered oxygen?
 A. Rutherford B. William Harvey C. Priestly D. Galileo

112. The solar cell converts which energy into electrical energy?
A. Chemical energy B. Solar energy C. Magnetic energy D. None of the above
113. Sugar is a form of -
A. Carbohydrate B. Fat C. Protein D. Water
114. The pollutants that decomposable and manageable in nature are termed as -
A. Renewable pollutants B. Non-biodegradable pollutants
C. Biodegradable pollutants D. None of the above
115. Which of the following is the coldest planet of the solar system?
A. Venus B. Neptune C. Jupiter D. Mercury
116. Which of the following are the negative health effects of noise pollution?
A. Hypertension B. Hearing loss C. Stress and headache D. All of the above
117. Which of the following is the first national park in India?
A. Gir National park B. Kanha National park
C. Jim Corbett National park D. Ranthambore National park
118. Which of these is the chief court of the UN?
A. European Court of Justice (ECJ) B. Permanent court of International Justice (PCIJ)
C. International Criminal Court (ICC) D. International Court of Justice (ICJ)
119. Which of the following statements define Environmental Engineering?
A. Creation of procedures and infrastructure for water delivery
B. Waste disposal
C. Pollution control of various kinds
D. All of the mentioned
120. Why carbon dioxide is called a greenhouse gas?
A. Because they absorb heat B. Because they absorb moisture
C. Because they absorb oxygen D. Because they absorb hydrogen
121. Which is the first zone of purification in a sand bed?
A. Heterotrophic zone B. Schmutzdecke zone C. Electrolytic zone D. Autotrophic zone
122. Which of the following compounds was earlier produced for the utility of transformers?
A. PCB B. TCDD C. PCDF D. PDD
123. When environmental Lapse Rate (ELR) is less than Adiabatic Lapse Rate (ALR), then which of the following occurs?
A. Super adiabatic lapse rate B. Neutral lapse rate
C. Adiabatic lapse rate D. Sub adiabatic lapse rate
124. Which of the following plants is extremely sensitive towards sulphur dioxide?
A. Tomato B. Onion C. Potato D. Corn
125. Global warming is expected to result in
A. Change in crop pattern B. Increase in sea level
C. Change in coastal line D. All of these

126. Programs that duplicate the functionality of one system on another system is known as
A. Evaluators B. Emulators C. Simulators D. PCB
127. In which mode can the computers that are associated send frames directly to each other?
A. Structured mode B. Adhoc mode C. Infrastructure mode D. Anonymous mode
128. ISRO's Master Control Facility is in
A. Orissa B. Karnataka C. Gujarat D. Andhra Pradesh
129. Which of the following statements are correct about Agni-V missile?
1. It is capable of delivering a nuclear warhead with high precision.
2. The missile has a strike range of 5500km.
3. It is a cruise missile
Select the correct option from codes given below:
A. 1 & 2 only B. 1, 2 & 3 C. 2 & 3 only D. 1 & 3 only
130. UNIX is written in which language?
A. C# B. C++ C. C D. .Net
131. Identify the different features of Big Data Analytics.
A. open source B. data recovery C. Scalability D. All of the above
132. SSL stands for _____
A. secure socket layer B. secure secret level
C. secure system level D. section security layer
133. The purpose of choke in tube light is ?
A. To decrease the current B. To increase the current
C. To decrease the voltage momentarily D. To increase the voltage momentarily
134. Who is largely responsible for breaking the German Enigma codes, created a test that provided a foundation for artificial intelligence?
A. Alan Turing B. Jeff Bezos C. George Boole D. Charles Babbage
135. The first step to getting output from a laser is to excite an active medium. What is this process called?
A. Pumping B. Exciting C. Priming D. Raising
136. Which motor is NOT suitable for use as a DC machine?
A. Permanent magnet motor B. Series motor
C. Squirrel cage motor D. Synchronous motor
137. Which one of the following shipyards builds warships for Indian Navy ?
A. Cochin Shipyard B. Garden Reach Workshop, Kolkata
C. Hindustan Shipyard, Visakhapatnam D. Mazgaon Dock, Mumbai
138. Bhabha Atomic Research Centre is situated in
A. Mumbai B. Hyderabad C. Chennai D. Delhi
139. A blackhole is a _____
A. Contracted star with intense gravitational pull B. Star with very low surface temperature
C. Star with no atmosphere D. Pulsating star

156. When did the first Commonwealth Games take place ?
A. 1948 B. 1945 C. 1934 D. 1930
157. Which of the following pairs of sports and trophies is correctly matched ?
A. Basketball-Basalat Jha Trophy B. Lacrosse-Durand Cup
C. Cricket-Rangaswami Cup D. Polo-Walker Cup
158. With which game does Santosh Trophy is associated ?
A. Tennis B. Cricket C. Football D. Golf
159. The number of players in each side in Water Polo is
A. 7 B. 9 C. 5 D. 4
160. In which year of First World War Germany declared war on Russia and France?
A. 1914 B. 1915 C. 1916 D. 1917
161. How many non-permanent Security Council (UNO) members are from Afro-Asian countries?
A. 1 B. 2 C. 5 D. 15
162. India's first atomic power station was set up at
A. Surat (Gujarat) B. Tarapur (Maharashtra)
C. Solapur (Maharashtra) D. Trombay (Maharashtra)
163. The world's largest international organisation and a successor to the League of Nations is
A. UNESCO B. UNO C. UNICEF D. None of the above
164. UNO Day is on
A. 20th July B. 24th October C. 14th November D. 12th February
165. Tiruchirapalli is situated on river
A. Cauvery B. Tapti C. Krishna D. Ganga
166. National Defence Academy is situated at
A. Khadakvasla B. New Delhi C. Wellington D. Dehradun
167. Of the following foods, which one is the best source of protein?
A. Butter B. Fish C. Lettuce D. Milk
168. 'Tamasha' is the famous folk form of musical theatre in
A. Punjab B. Bihar C. Uttar Pradesh D. Maharashtra
169. What is the Jewish place of worship called?
A. Synagogue B. None of these C. Church D. Mosque
170. Which one of the following is the most ancient musical instrument?
A. Veena B. Tabla C. Sitar D. Sarod
171. The Chitragupta Swami Temple considered to be the only temple of Chitragupta is situated in
A. Mathura B. Ujjain C. Kanchi D. Puri
172. Which of the following is different from the others?
A. Shaurya Chakra B. Ashok Chakra C. Vir Chakra D. Kirti Chakra

173. Who out of the following, was the first recipient of the Bharat Ratna Award?

- A. C.V. Raman B. S. Chandrasekhar C. B.C. Roy D. Gobind Ballabh Pant

174. The first foreigner to receive Bharat Ratna Award was

- A. Dalai Lama B. Nelson Mandela C. Khan Abdul Gaffar Khan D. Annie Besant

175. Pulitzer prize is awarded for outstanding work in the field of

- A. International Understanding B. Environmental Studies
C. Literature and Journalism D. Science and Technology

176. India's first Nocturnal Zoo will be set up in –

- A. Uttar Pradesh B. Uttarakhand C. Haryana D. Kerala

177. Who has been appointed as the next High Commissioner of India to UK?

- A. Akhilesh Mishra B. Vikram Doraiswami
C. Manoj Kumar Bharti D. Prashant Pise

178. India recently inaugurated the new Indian Embassy in which country?

- A. Malta B. Paraguay C. Iran D. Venezuela

179. Which country has been hit by the Tropical cyclone “Ma-On“?

- A. China B. Japan C. Philippines D. Indonesia

180. India's first Shared Radio Access Network (RAN) solution is set to be launched in –

- A. Kolkata B. New Delhi C. Mumbai D. Pune

181. Who scripted history by winning India's first-ever medal in Judo World Championships?

- A. Avtar Singh B. Divya Tewar C. Linthoi Chanambam D. thongam Tababi

182. Who has been appointed as the new chairman of the Defence Research and Development Organization (DRDO)?

- A. Pushp Kumar Joshi B. Dr. Samir V. Kamat
C. Dr. G. Satheesh Reddy D. S Somanath

183. Who has been conferred with the 31st Vyas Samman?

- A. Mamta Kalia B. Asghar Wajahat C. Surinder Verma D. Sunita Jain

184. Who has been appointed as the Executive Director (India) at International Monetary Fund (IMF)?

- A. Surjit Bhalla B. Arvind Subramaniam
C. Raghuram Rajan D. Krishnamurthy Subramaniam

185. Who has been awarded UNESCO Peace Prize 2022?

- A. Emmanuel Macron B. Angela Merkel C. Narendra Modi D. Joe Biden

186. Who has released a book titled “A New India: Selected Writings 2014-19”?

- A. Ramesh Pokhriyal B. M Venkaiah Naidu C. Piyush Goyal D. G. Kishan Reddy

187. Which company has partnered with UNESCO to promote and safeguard the ‘Intangible Cultural Heritage of India’?

- A. Ashoka Leyland B. Royal Enfield C. Tata Motors D. Larsen & Toubro

188. SEBI gives nod to whom as MD and CEO of BSE?

A. Sundararaman Ramamurthy

C. Sunil Bhardwaj

B. Devender Singh

D. Ajay Parashar

189. President of which country will be the chief guest at Republic Day celebrations in India 2023?

A. Japan

B. China

C. Egypt

D. Oman

190. 53rd International Film Festival of India was held in which state?

A. Goa

B. Manipur

C. Sikkim

D. Uttar Pradesh

191. India and which country concluded the bilateral exercise 'Agni Warrior'?

A. Singapore

B. Cambodia

C. France

D. Albania

192. Election commission set up a polling booth for a single voter in which state?

A. Gujarat

B. Rajasthan

C. Karnataka

D. Chhattisgarh

193. International Gita Mahotsav-2022 is being held in which city?

A. Karnal

B. Kurukshetra

C. Kanpur

D. Lucknow

194. Which High Court prohibits the use of mobile phones inside which state's Temples?

A. Gujarat

B. Parna

C. Madras

D. Bombay

195. Who has been appointed as the new Revenue Secretary?

A. Sanjeev kumar

B. Rajpal Rajput

C. Devendra Jha

D. Sanjay Malhotra

196. The first drone station for healthcare service delivery will be inaugurated in which state?

A. Rajasthan

B. Meghalaya

C. Assam

D. Odisha

197. Who has been named as chairperson of the National Statistical Commission?

A. Harshavardhan Sing

B. Ravindar Kumar

C. Rajeeva Laxman Karandikar

D. Ananda Sachdeva

198. Who has been appointed batting coach of the Indian women's cricket team by BCCI?

A. Hrishikesh Kanitkar

B. Hemu Adhikari

C. Man Singh

D. Lal Chand Rajput

199. Which actress is to unveil FIFA World Cup Trophy during the final in Qatar?

A. Karishma Kapoor

B. Rani Mukherjee

C. Deepika Padukone

D. Priyanka Chopra

200. Who is India's 77th chess Grandmaster?

A. Aditya Mittal

B. Pranav Anand

C. Rahul Srivatshav

D. Rahul Srivatshav