

DO NOT BREAK THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

QUESTION BOOKLET

SERIES IV

Subject : General English & Life Science

BOOKLET SERIAL NO. 10044

Marks : 300

Time : 3 (three) hours

Read the following instructions carefully before you begin to answer the questions.

INSTRUCTIONS TO CANDIDATES

1. This booklet contains **200 questions** to be answered in a separate OMR Answer Sheet using Black Ball Pen in following three parts.

Part-A-General English : 100 questions and Part-B-Life Science : 100 questions.

2. All Questions are compulsory.
3. You will be supplied the Answer sheet separately by the invigilator. You must complete the details of particulars asked for.
4. Answers must be shown by completely blackening the corresponding circles in the Answer Sheet against the relevant question number by Black Ball Pen. OMR Answer Sheet without marking series/double series marking shall not be evaluated.

Example :

Supposing the following question is asked :-

The Capital of Meghalaya is-

- A. Guwahati
- B. Kohima
- C. Shillong
- D. Delhi

You will have four alternatives in the Answer Sheet for your response corresponding to each question of the Question Booklet as below :-

(A) (B) (C) (D)

In the above illustration, if your chosen response is alternative C i.e. Shillong, then the same should be marked on the Answer Sheet by blackening the relevant circle with a Black Ball Point Pen only as below :-

(A) (B) (C) (D)

WHICH IS THE ONLY CORRECT METHOD OF ANSWERING :

5. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any one question.
6. There will NOT be any negative marking for wrong answers.
7. The Answer Sheet must be handed over to the invigilator before you leave the Examination Hall.
8. No rough work is to be done on the Answer Sheet. Space for rough work has been provided in the question booklet.

PART - A - GENERAL ENGLISH

Marks :100

Each Question carry 1 mark

SECTION-I

A. Choose the correct option to fill in the gaps:

1. She has a great aversion _____ fish.

- a) for b) towards
- c) against d) to

2. The time _____ departure has come.

- a) for b) by
- c) from d) to

3. His illness _____ his absence from the office.

- a) accounts against
- b) accounts for
- c) accounted
- d) accounts of

4. Exhausted, we went directly to bed and _____.

- a) ignored him knocking on our door.
- b) ignored his knocking on our door
- c) his knocking on our door was ignored by us
- d) ignored his knocking with our door

5. _____, he was able to answer all the questions.

- a) reading all the required material
- b) having reading all the required material
- c) having read all the required material
- d) as it was the case that he had read all the required material

6. She is _____ the job.

- a) cut out for b) cut at
- c) cut for d) cut in

7. I can _____ his game.

- a) see to b) see at
- c) see over d) see through

8. Don't _____ a quarrel with him.

- a) catch b) hold
- c) pick d) take

9. Do you know the doctor _____ children I teach ?

- a) whom b) whose
- c) which d) that

10. _____, the economic situation looks bad.

- a) amongst you and me
- b) between you and me
- c) with you and me
- d) about you and me

11. He moved the furniture _____.

- a) by himself
- b) on himself
- c) to himself
- d) below himself

12. When one has problems _____ should try to solve them.

- a) he b) she
- c) one d) that

13. They wanted to

- a) occupy the room, paint it and build it.
- b) paint the room, occupy it and build it.
- c) occupy, build and painted the room.
- d) build the room, paint it and then occupy it.

14. The affidavit has been _____.

- a) lodged b) brought
- c) filed d) charged

15. You have to speak _____ against the new rule.

- a) out b) in
- c) about d) at

16. She likes to read, to travel and _____.

- a) painting b) to paint
- c) paint d) painted

17. Do you think it is necessary to think about this matter _____ ?

- a) further b) farther
- c) far d) more far

18. _____ you in favour of women's liberation ?

- a) is b) be
- c) are d) was

19. He gave an oral report _____ a written report .

- a) in search of
- b) in terms of
- c) in hopes of
- d) in lieu of

20. Paris is _____ famous as London.

- a) quite b) nearly
- c) most d) as

21. The teacher objected to the students' _____ their opened umbrellas near the door.

- a) sitting b) setting
- c) having sat d) sat

22. The new design displays originality _____ art.

- a) as far as
- b) as good as
- c) as soon as
- d) as well as

23. The professor asked the students _____

- a) not only to write a report or give a speech
- b) either to write a report or give a speech
- c) neither to write a report or give a speech
- d) neither to write a report but give a speech

24. She writes such _____ poetry.

- a) beautiful b) beauty
- c) beautifully d) beautify

25. It was _____ that we went for a hike.

- a) so nice a day
- b) such nice day
- c) so nice day
- d) such nice a day

26. A _____ number of people attended the meeting on that day.

- a) numerous b) many
- c) large d) big

27. Neither the moon nor the stars _____ visible.

- a) is b) were not
- c) been d) are

28. Over the fire place _____ several paintings.

- a) is hanging b) hangs
- c) hang d) hanged

29. Here _____ the bus.

- a) comes b) is coming
- c) coming d) did come

30. The young couple liked to redecorate and _____ older homes for a profit.

- a) resold b) reselling
- c) resell d) to resell

31. They were shocked to find that their son was _____ of stealing.

- a) suspected b) suspicious
- c) suspicion d) suspect

32. _____ his earlier study, his new study indicates a new warning trend in global warming.

- a) in contrast of
- b) in contrast to
- c) in contrast by
- d) in contrast as

33. A severe storm was building _____.

- a) about b) down
- c) on d) up

34. Television is a good medium _____ advertisement.

- a) for b) of
- c) in d) by

35. The reason he wants to take a leave of absence is

- a) because he is needing a complete rest
- b) because he needs a complete rest
- c) that he needs a complete rest
- d) because a complete rest is needed by him

36. He inspired awe, devotion and _____ in his followers.

- a) love
- b) loving feelings
- c) feelings of love
- d) loveliness

37. Are you familiar _____ Indian art ?

- a) by
- b) beyond
- c) to
- d) with

38. He could not manage to get an _____ balance in his cheque book.

- a) accuracy
- b) accurately
- c) accurate
- d) accurateness

39. His excellent results were beyond _____ expectation.

- a) entire
- b) all
- c) complete
- d) high

40. Planes are _____ than other means of transportation.

- a) faster
- b) more fast
- c) more faster
- d) fastest

41. She went to the conference _____ about Government contracts.

- a) to learn
- b) with the purpose of learning
- c) in order to have the opportunity to learn
- d) in order to be in a position to learn

42. The manager will _____ his business.

- a) wind out
- b) wind away
- c) wind off
- d) wind up

43. The scandal came to _____ yesterday.

- a) reveal
- b) exposure
- c) knowledge
- d) light

44. Everyone was _____ the threat of criminal gangs in that area.

- a) frightened for
- b) frightened
- c) frightened by
- d) frightened to

45. Our success depends _____ the project by December.

- a) on finishing
- b) finishing
- c) about finishing
- d) on to finish

46. These seats are reserved for _____

- a) they on the executive committee
- b) those on the executive committee
- c) them on the executive committee
- d) these on the executive committee

47. Nancy sometimes wishes that she _____ in a small town.

- a) was not living
- b) did not lived
- c) does not live
- d) were not living

48. The servant was always at his master's _____

- a) call
- b) order and call
- c) beck and call
- d) calling

49. The news _____ good.

- a) are
- b) weren't
- c) ain't
- d) was

50. _____ is a rare state of being

- a) happy
- b) happiness
- c) happily
- d) unhappy

SECTION-II

B. Choose the correct sentences :

51. (i) The street hawker is a useful member of the society.

(ii) The society is a useful member of the street hawker.

(iii) The street hawker brings many articles to our door for sale.

- a) (i) and (ii)
- b) (i) and (iii)
- c) (ii) and (iii)
- d) (i), (ii) and (iii)

52. (i) The duty of a policeman is to maintain law and order.

(ii) The duty of a policeman is to protect human life and property.

(iii) The duty of a policeman is to prevent crime.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

53. (i) The earthquake is a terrible enemy of mankind.

(ii) Human beings have not controlled over earthquakes.

(iii) We do not know when an earthquake will occur.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

54. (i) Most of the peoples depending on agriculture

(ii) Agriculturists are the backbone of the nation.

(iii) India is mainly an agricultural country.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

55. (i) We see the Sun in the sky.

(ii) It is a huge mass of flaming gas.

(iii) The Sun looks like a small plate of gold.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

56. (i) Do not speak to people who are strangers.

(ii) Do not speak to strangers.

(iii) Do not speak to people whom are strangers.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

57. (i) He is still studying in the library.

(ii) He often studies in the library.

(iii) He was studying still in the library.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

58. (i) He is rarely on time.

(ii) He rarely is on time.

(iii) He is late most of the time.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

59. (i) I am looking for a person who has forgotten their suitcase.

(ii) I am looking for a person who has forgotten his suitcase.

(iii) I am looking for a person who forgot to take his suitcase.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

60. (i) The material prosperity of a country depend on the progressing of their agriculture.

(ii) The material prosperity of a country depends on the progress of its agriculture.

(iii) Agricultural progress contributes to the material prosperity of a country.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

61. (i) When a war breaks out it presents a horrible scene in the battlefield.

(ii) The outbreak of war presents a horrible scene in the battlefield.

(iii) When a war broke out, it presents a horrible scene in the battlefield.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

62. (i) Let me know where they go after class everyday.

(ii) Tell me where they goes after class everyday.

(iii) Tell me where they go after class everyday.

a) (i) and (ii)

b) (i) and (iii)

c) (ii) and (iii)

d) (i), (ii) and (iii)

63. (i) Did you see what he did ?
 (ii) Did you see what he did ?
 (iii) Have you seen what he has done ?

- a) (i) and (ii) b) (i) and (iii)
 c) (ii) and (iii) d) (i), (ii) and (iii)

64. (i) If you lost your job, what would you do?
 (ii) If you had lost your job what would you have done ?
 (iii) If you had lose your job, what would you have did ?

- a) (i) and (ii) b) (i) and (iii)
 c) (ii) and (iii) d) (i), (ii) and (iii)

65. (i) She is going to set the table.
 (ii) She is going to be set the table.
 (iii) She is about to set the table.

- a) (i) and (ii) b) (i) and (iii)
 c) (ii) and (iii) d) (i), (ii) and (iii)

66. (i) The sun was being risen at seven yesterday.
 (ii) The sun rose at seven yesterday
 (iii) The sun had risen at seven yesterday

- a) (i) and (ii) b) (i) and (iii)
 c) (ii) and (iii) d) (i), (ii) and (iii)

67. (i) When a flood, the water of the river rises very high.
 (ii) During a flood, the water of the river rises very high.
 (iii) A flood sweeps away everything that comes in its way

- a) (i) and (ii) b) (i) and (iii)
 c) (ii) and (iii) d) (i), (ii) and (iii)

68. (i) One cannot afford to be careless while walking on a busy street.
 (ii) One must be careful while walking on a busy street.
 (iii) One must be busy while walking on a careful street.

- a) (i) and (ii) b) (i) and (iii)
 c) (ii) and (iii) d) (i), (ii) and (iii)

69. (i) Town life has many advantages.
 (ii) In towns, we can live comfortably
 (iii) We get all sorts of facilities in a town.

- a) (i) and (ii) b) (i) and (iii)
 c) (ii) and (iii) d) (i), (ii) and (iii)

70. (i) If any questions, please you ask me for help.
 (ii) If you have any questions, please ask me for help.
 (iii) In case you have any questions, please ask me for help.

- a) (i) and (ii) b) (i) and (iii)
 c) (ii) and (iii) d) (i), (ii) and (iii)

SECTION-III

C. Read the following passage and answer the questions given below following the instructions :

Mountaineering is an awfully risky venture in the case of those ambitious souls who are dreaming of conquering such majestic peaks such as Annapurna and Everest and who wish to be ranked among the world's greatest climbers. Dozens of adventurers belonging to different nations with their hearts burning with a passion to conquer the highest peak in the world perished in the immortal snows of the Himalayas, after painfully inching their way to heights which were in close proximity to the summit. Expedition after expedition hurried back exhausted, frost bitten and utterly disappointed when the mighty Himalayas hurled icy winds, snowstorms and blizzards at those who wanted to conquer it, thus barring their way to this pinnacle of glory. The bones of many men of unrealised ambition lie buried in the glacial wilderness which is the home of the highest peak in the world. But even so nothing could dampen the enthusiasm of succeeding generations of

mountaineers and today the situation is very different.

Choose the appropriate meaning of the words given below in the specific context of the passage :

71. Venture

- a) plan
- b) enterprise
- c) attempt
- d) action

72. Passion

- a) zeal
- b) hope
- c) desire
- d) dream

73. Proximity

- a) dearness
- b) closeness
- c) embrace
- d) distance

74. Summit

- a) high
- b) tallness
- c) peak
- d) glory

75. Unrealised

- a) untrue
- b) unseen
- c) unfulfilled
- d) unplanned

Choose the appropriate antonyms of the following :

76. Risky

- a) strong
- b) secure
- c) safe
- d) unhazardous

77. Majestic

- a) beggarly
- b) unimportant
- c) hateful
- d) ordinary

78. Perished

- a) survived
- b) sacrificed
- c) forsook
- d) withdrew

79. Pinnacle

- a) down
- b) low
- c) deep
- d) depth

80. Barring

- a) blocking
- b) objecting

c) opening

d) allowing

Choose the correct meaning for the words and phrases given below :

81. Breeze means

- a) pail
- b) pale
- c) gall
- d) gale

82. Brutal means

- a) merciful
- b) mercy
- c) unkind
- d) merciless

83. Dainty means

- a) delicate
- b) weak
- c) week
- d) beautiful

84. Marine means

- a) military
- b) naval
- c) navel
- d) army

85. Notorious means

- a) famous
- b) unpopular
- c) insignificant
- d) ill-famed

86. Pardon means

- a) acquittal
- b) cleanliness
- c) justification
- d) freedom

87. To blow over means

- a) to pass away
- b) to pass out
- c) to pass into
- d) to pass at

88. To have more than enough means

- a) thick
- b) abundant
- c) comfortable
- d) wealthy

89. To be abusive means to

- a) praise
- b) insult
- c) violate
- d) disobey

90. To lay aside means to

- a) put in
- b) put out
- c) put away
- d) put down

91. To behave in accordance with expecta-

tions is to

- a) live up to b) live in
- c) live out d) live up

92. To level with means to make

- a) equal b) inequal
- c) unequal d) parallel

93. A man of spirit means

- a) a man who is strong
- b) a man who is dead
- c) a man who is angry
- d) a man who is courageous

94. A stone's throw means

- a) a short story
- b) a short person
- c) a short distance
- d) a short connection

95. To converse means

- a) to shout
- b) to talk
- c) to communicate
- d) to discuss

96. Conformity means

- a) completeness
- b) compliance
- c) obedience
- d) dependance

97. Adventure means

- a) progress b) quest
- c) risk d) interest

98. To announce means

- a) declare b) demand
- c) denounce d) disclose

99. To annul means

- a) notify b) negate
- c) negative d) note

100. To authorise means

- a) power b) powerful
- c) empower d) engrave

PART - B - LIFE SCIENCE

Marks :200

Each question carry 2 marks :

101. Root hairs are found

- a) In the zone of maturation
- b) Adventitious roots
- c) On the root cap
- d) Apical meristem

102. Largest number of chloroplast is found in

- a) Palisade tissue
- b) Spongy tissue
- c) Transfusion tissue
- d) Bundle sheath cells

103. In mammals, Haversian canals are connected with each other by transverse canals, which are called

- a) Semicircular
- b) Volkman's canals
- c) Inguinal canals
- d) Bidder's canals

104. Lymph differs from blood in having

- a) No W.B.C
- b) No protein
- c) Much more of water
- d) No R.B.C

105. The development of frog is

- a) Direct
- b) Indirect
- c) Parthenogenetic
- d) None of these

106. Cell organelles found only in plants are

- a) Golgi complex
- b) Mitochondria
- c) Plastids
- d) Ribosomes

107. Centrosome is found in

- a) Nucleus
- b) Nucleolus
- c) Cytoplasm
- d) Chromosomes

108. Final product of starch digestion

- a) Maltose
- b) Sucrose
- c) Lactose
- d) Glucose

109. Strands of DNA are bonded by

- a) Hydrogen
- b) Carbon
- c) Oxygen
- d) Nitrogen

110. Crossing over is advantageous because it brings about

- a) Variation
- b) Linkage
- c) Inbreeding
- d) Stability

111. In cancer cells

- a) Meiosis takes place
- b) Mitosis takes place
- c) Sometimes meiosis and sometimes mitosis take place
- d) Cell division stops

112. During mitosis chromosomes go to their poles in a stage called

- a) Prophase
- b) Metaphase
- c) Anaphase
- d) Telophase

113. The protein part of enzyme is known as

- a) Haloenzyme
- b) Apoenzyme
- c) Isoenzyme
- d) All of the above

114. Absorption of water by root is increased by

- a) Increase in transpiration
- b) Increase in the rate of photosynthesis
- c) Decrease in transpiration
- d) Decrease in salt uptake

115. Transpiration occurs through

- a) Leaves
- b) Stems
- c) All aerial parts
- d) Roots

116. Which of the following is a micro element in plants ?

- a) Manganese
- b) Nitrogen
- c) Magnesium
- d) Calcium

117. Majority of the orchids are

- a) Epizoics
- b) Epiphytes
- c) Saprophytes
- d) Parasites

118. The oxygen in photosynthesis is released from

- a) CO_2
- b) H_2O
- c) Carbohydrate
- d) Chlorophyll

119. In which of the following process is the light energy converted into chemical energy?

- a) Digestive action
- b) Respiration
- c) Fermentation
- d) Photosynthesis

120. Respiration occurs

- a) Only in non-green cells in light
- b) Only in non-green cells both in light and dark
- c) In all living cells both in light and dark
- d) In all living cells only in light

121. Ethylene is a

- a) Gaseous hormone
- b) Gaseous enzyme
- c) Liquid-gas mixture
- d) Solid hormone

122. Saliva contain enzyme for digestion of

- a) Fats
- b) Protein
- c) Phospholipids
- d) None of these

123. Stomach is the site of digestion mainly of

- a) Carbohydrates
- b) Fats
- c) Proteins
- d) All of these

124. In which form, CO_2 is mostly carried in blood ?

- a) Sodium carbonate
- b) Carbonic acid
- c) Bicarbonate ions
- d) Carbamino haemoglobin

125. The second heart sound 'dub' is associated with

- a) Opening of semilunar valves
- b) Opening of AV valves
- c) Closure of AV valves
- d) Closure of the semilunar valves

126. Uricotelism is found in

- a) Birds, reptiles and insects
- b) Frogs and toads
- c) Mammals and birds
- d) Fishes and fresh water protozoans

127. Gland which helps in development of immune system of body

- a) Adrenal gland
- b) Thyroid gland
- c) Thymus gland
- d) Pituitary gland

128. Diurnal rhythms of human body are related with

- a) Adrenaline
- b) Cortisol
- c) Melatonin
- d) Thymosin

129. The chemical causing the transmission of nerve impulse across synapses is

- a) Acetylcholine
- b) Cholinesterase
- c) Choline
- d) Acetic acid

130. Pacemaker of heart is

- a) AV node
- b) Bundle of His
- c) SA node
- d) Purkinje fibres

131. A secondary sexual character is

- a) Ovary
- b) Thyroid
- c) Pituitary
- d) Breast

132. In mammals, failure of testis to descend into the scrotum is known as

- a) Cryptorchidism
- b) Castration
- c) Impotency
- d) Paedogenesis

133. Sertoli cells are involved in

- a) Excretion of sperms
- b) Respiration of sperms
- c) Nutrition of sperms
- d) All of the above

134. In mammals Graafian follicle ruptures and release ovum from ovary as

- a) Primary oocyte
- b) Secondary oocyte
- c) Primary spermatocyte

d) Secondary spermatocyte

135. Surgical removal of testes is known as

- a) Testectomy b) Gonadectomy
- c) Castration d) None

136. Which of the following is a method for birth control

- a) IUD s b) GIFT
- c) HTF d) IVE-ET

137. Amniocentesis is used for determining

- a) Heart disease
- b) Brain disease
- c) Hereditary disease of the embryo
- d) all of the above

138. Egg apparatus of angiosperm consists of

- a) One egg cell and two synergids
- b) One egg cell 2 synergids 3 antipodals
- c) 3 antipodals only
- d) Secondary nucleus and egg cell

139. Stalk with which ovules remain attached to placenta

- a) funicle b) Raphe
- c) Hilum d) Chalaza

140. Pollination is best defined as

- a) Transfer of pollen from anther to stigma
- b) Germination of pollen grains
- c) Growth of pollen tube in ovule
- d) Visiting flowers by insects

141. Cheiropterophily is the process of pollination by

- a) Water b) Bat
- c) Insect d) Bird

142. Double fertilisation results in the production of

- a) Haploid nucleus b) Diploid nucleus
- c) Triploid nucleus d) Tetraploid nucleus

143. Thiamine is a

- a) Nitrogenous base b) Enzyme
- c) Vitamin d) Hormone

144. The difference in deoxyribose and ribose sugar is in the

- a) First carbon b) Second carbon
- c) 4th carbon d) 5th carbon

145. Genetic material in viruses is

- a) DNA or RNA
- b) Only DNA
- c) Only RNA
- d) Both DNA & RNA

146. Which of the following techniques is useful in forensic science ?

- a) Genetic imprinting
- b) DNA footprinting
- c) DNA fingerprinting
- d) All of the above

147. Father of 'Biology' is

- a) Cuvier b) Aristotle
- c) Lamarck d) Theophrastus

148. Virus that infects bacteria is called

- a) bacteriophage b) cyanophage
- c) telophase d) prophase

149. Plasmids occur in

- a) Viruses b) Bacteria
- c) Chloroplasts d) Chromosomes

150. Which is not the locomotory organ of protozoa ?

- a) Cilia b) Flagella
- c) Pseudopodia d) Parapodia

151. The cell wall of fungi is made up of

- a) Chitin b) Cellulose
- c) Pectin d) Suberin

152. 'Botanical snakes' are

- a) Algae b) Fungi
- c) Bryophytes d) Pteridophytes

153. Corals belong to the phylum

- a) Protozoa b) Porifera
- c) Cnidaria d) Mollusca

154. Spiders and scorpions are included in

class

- a) Arachnida b) Insecta
- c) Actinozoa d) Anthozoa

155. A root hair is

- a) Always unicellular
- b) May be unicellular or multicellular
- c) Unicellular but branched
- d) Multicellular and branched

156. Function of stem is

- a) To produce branches and leaves
- b) Storage of food
- c) Conduction of water and minerals
- d) All of the above

157. The spines in *Opuntia* are the modification of

- a) Leaf b) Branch
- c) Epidermis d) Flower

158. Flowers is complete when it has

- a) Calyx, corolla, androecium and gynoecium
- b) Calyx and corolla
- c) Androecium and gynoecium
- d) Corolla, androecium and gynoecium

159. Parts of Gynoecium which receives the pollen is called

- a) Stigma b) Style
- c) Ovary d) Ovule

160. Seed develops from

- a) Ovules b) Ovaries
- c) Anthers d) Pistils

161. Appearance of ancestral characters in the new borns such as tail, cervical fistula in man, gill slits etc. are known as

- a) Homologous b) Analogous
- c) Vestigial d) Atavism

162. Which one of the following sets of structures includes only analogous organs ?

- a) Hind legs of horse, grass hopper and bat
- b) Hands of man, monkey and kangaroo
- c) Mandibles of cockroach, mosquito and honeybee

d) Wings of butterfly, housefly and bat

163. Biogenetic law states that

- a) Ontogeny repeats phylogeny
- b) Phylogeny repeats ontogeny
- c) No two living organisms are alike
- d) The favourable acquired characters are inherited

164. DDT concentration increase in the human body because it is soluble in

- a) Water b) Vitamins
- c) Fat d) Protein

165. What type of fuel are coal, petrol and natural gas ?

- a) Biofuels b) Electrical fuels
- c) Fossil fuels d) Liquid fuels

166. Cowdung is appropriately used as

- a) Manure b) Fuel
- c) Medicine d) Building material

167. Green revolution is

- a) Revolution in agriculture yield
- b) Revolution in chemical industry
- c) Chipko movement
- d) Revolution in electronics

168. What for is Kew, London, famous for ?

- a) Largest herbarium
- b) Largest National Park
- c) Largest Biological Reserve
- d) Maximum diversity of flora and fauna

169. 'Apis' is a generic name of

- a) A fish b) Lac insect
- c) Honey bee d) Prawn

170. Interferons are

- a) Antiviral proteins
- b) Antibacterial proteins
- c) Anticancer proteins
- d) None of above

171. An antibody is

- a) Molecule that specifically inactivates an antigen

- b) WBC which invades bacteria
- c) Secretion of mammalian RBC
- d) All the above

172. In full blown AIDS, opportunistic infections are especially caused by

- a) Mycobacterium
- b) Toxoplasma
- c) Viruses and fungi
- d) All of these

173. The most important component of the oral contraceptive pills are

- a) Progesterone
- b) Growth hormone
- c) Thyroxin
- d) Luteinizing hormone

174. The instrument by which B.P. of man is determined

- a) Sphygmomanometer
- b) B.P. meter
- c) Ultrasound
- d) Stethoscope

175. Antibiotics are produced by

- a) Mucor
- b) Penicillium
- c) Agaricus
- d) All of these

176. Which one of the following is used in the manufacture of alcohol ?

- a) Bacteria
- b) Water molds
- c) Yeasts
- d) Slime molds

177. Symbiosis means

- a) Mutually beneficial partnership
- b) A process advantageous to only one
- c) Harmful relationship between two organisms
- d) None of the above

178. The exotic species is

- a) Species of a selective region
- b) Coel species
- c) Species with good characters
- d) Species brought into an area from other region

179. Increasing accumulation of DDT in higher

trophic levels of a food chain is

- a) Biotic potential
- b) Biological value
- c) BOD
- d) Biological magnification

180. Minamata disease in Japan was caused by pollution of water by

- a) Lead
- b) Cyanide
- c) Mercury
- d) Methyl isocyanate

181. First National Park of India was

- a) Panna National Park
- b) Jim Corbett National Park
- c) Kaziranga National Park
- d) Satpura National Park

182. Susceptibility to extinction is due to

- a) Large body size
- b) Small population
- c) High trophic level
- d) All of the above

183. Limited private operations are allowed in

- a) Zoos
- b) Botanical gardens
- c) National Park
- d) Sanctuaries

184. Ozone layer occurs in

- a) Ionosphere
- b) Stratosphere
- c) Thermosphere
- d) Troposphere

185. Classical smog was first observed in

- a) Tokyo
- b) New York
- c) Sydney
- d) London

186. Botanical name of Cauliflower is

- a) Brassica oleracea var. capitata
- b) Brassica campestris
- c) Brassica oleracea var. botrytis
- d) Brassica oleracea var. gemmifera

187. The function of a vessel is

- a) Conduction of food
- b) Conduction of water and minerals
- c) To provide strength
- d) None of these

188. The meristem of root is

- a) Apical b) Sub apical
- c) Intercalary d) Lateral

189. Complete linkage is found in

- a) Neurospora
- b) Female Drosophila
- c) Male Drosophila
- d) Horse

190. A cross between hybrid and either of any parent is called

- a) Test cross
- b) Reciprocal cross
- c) Monohybrid cross
- d) Back cross

191. A family has 5 daughters. Probability of 6th child being girl will be

- a) 1 in 2 b) 1 in 5
- c) 1 in 3 d) 1 in 6

192. In humans chromosomal condition of male is

- a) 44 AA + XO
- b) 44 AA + XX
- c) 44 AA + XY
- d) 44 AA + XXY

193. When huge amount of sewage is dumped into a river, the BOD will

- a) Increase
- b) Remain unchanged
- c) Slightly decrease
- d) Decrease

194. Blue baby syndrome is due to the

- a) Air pollution
- b) Soil pollution
- c) Thermal pollution
- d) Radioactive pollution

195. Term 'Ecology' was given by

- a) Odum b) Haeckel
- c) Tansley d) R. Misra

196. Biodegradable pollutant is

- a) sewage b) Asbestos

c) Plastic

d) All of the above

197. Pneumatic bones are found in

- a) Domestic lizard
- b) Tadpole of frog
- c) Flying lizard
- d) Pigeon

198. Members of phylum porifera are

- a) Exclusively marine animals
- b) Exclusively fresh water animals
- c) Mostly fresh water animals but few are marine animals
- d) Mostly marine animals but few are fresh water animals

199. Experimental evidence regarding the formation of organic molecules from inorganic molecules was given by

- a) Oparin and Haldane
- b) Miller
- c) Urey and Miller
- d) Fox

200. Which one of the following shows recapitulation ?

- a) Infant b) Embryo
- c) Adult d) None of these