

Serial No.

Codes: AAO123-2015

Time Allowed : Three Hours

Maximum Marks : 300

I N S T R U C T I O N S

DO NOT OPEN THIS QUESTION BOOKLET SEAL UNTIL YOU ARE TOLD TO DO SO

1. The OMR Sheet is separately supplied to you. Fill in all the entries in the OMR Sheet correctly, failing which your OMR Sheet shall not be evaluated.
2. This Question Booklet contains **200** questions. Each question comprises four responses (answers). You have to select **ONLY ONE** response which you consider the best and mark it on the OMR Sheet.
3. You must check the Question Booklet and ensure that it contains all the questions and see that no page is missing or repeated. Discrepancies, if any in the Question Booklet or in the OMR Sheet, you must be reported to the invigilator immediately and Question Booklet/OMR Sheet shall be replaced.
4. All questions carry equal marks. Attempt **ALL** questions. Your total marks will depend only on the number of correct responses marked by you in the OMR Sheet.
5. Rough work must not be done on the OMR Sheet. Use the blank space at the last page of the Question Booklet for rough work.
6. Once you have completed filling in all your responses on the OMR Sheet and the examination has concluded, you should hand over the OMR Sheet to the Invigilator. In no case you should leave the Examination Hall without returning the OMR Sheet. Candidates are allowed to take away their Question Booklets. The duplicate OMR Sheet may also be taken away by the candidates.
7. There is no penalty for wrong answers.

1. Which one of the following is a selective herbicide?
 - a. Paraquat b. Glyphosate
 - c. Atrazine d. Diquat
2. *Zygomma bicolorata* insect is used to control:
 - a. *Parthenium hysterophorus*
 - b. *Echinochloa colonum*
 - c. *Lantana camara*
 - d. *Orobanche cernua*
3. How is Fluchloralin applied?
 - a. Pre-emergence
 - b. Post-emergence
 - c. Pre-plant incorporation
 - d. Late post emergence
4. Which of the following is parasitic weed of lucerne?
 - a. *Cuscuta spp.*
 - b. *Avena fatua*
 - c. *Cichorium intybus*
 - d. *Cyperus rotundus*
5. Mulching is an example of:
 - a. Chemical weed control method
 - b. Biological weed control method
 - c. Mechanical weed control method
 - d. None of the above
6. Maximum number of seeds per plant are produced by the weed plant:
 - a. *Amarnathus spp.*
 - b. *Argemone mexicana*
 - c. *Cuscuta spp.*
 - d. *Chenopodium album*
7. Which of the following is contact, non-selective and zero persistent herbicide?
 - a. Fluchloralin b. 2, 4-D
 - c. Atrazine d. Paraquat
8. Effective weed control measure of crop associated and crop bound weeds is?
 - a. Intercropping
 - b. Mulching
 - c. Hoeing & Weeding
 - d. Crop rotation
9. Example of aquatic weed is?
 - a. *Eichhornia crassipes*
 - b. *Eleusine indica*
 - c. *Cirsium arvense*
 - d. *Amaranthus viridis*
10. Example of biennial weed is?
 - a. *Cynodon dactylon*
 - b. *Chenopodium spp.*
 - c. *Cyperus esculentus*
 - d. *Cirsium vulgare*

11. Field capacity is the _____ limit of soil water availability to plants.
- Lower
 - Middle
 - Upper
 - All
12. Available Water Holding Capacity is:
- Field Capacity-Permanent Wilting Point
 - Permanent Wilting Point-Hygroscopic Water
 - Field Capacity-Hygroscopic Water
 - Field Capacity-Ultimate Wilting Point
13. Which criterion of irrigation scheduling is more suitable and convenient to farmers?
- Soil moisture tension
 - Pan evaporation
 - Water potential of plant
 - Critical growth stages
14. Irrigation Requirement (IR) can be obtained by:
- $IR = \text{Water requirement}$
 - $IR = \text{Water requirement} + \text{Effective rainfall}$
 - $IR = \text{Water requirement} - (\text{Effective rainfall} + \text{Contribution from ground water table})$
 - $IR = \text{Effective rainfall} - (\text{Water requirement} + \text{Contribution from ground water table})$
15. Limits of boron in irrigation waters for semi-tolerant crops varies between:
- 0.3–1.0 ppm
 - 1.0–3.0 ppm
 - 2.0–4.0 ppm
 - 4.0–6.0 ppm
16. Most important critical growth stage of wheat for irrigation is:
- Crown root initiation
 - Tillering
 - Jointing
 - Grain filling
17. Water requirement of maize crop is:
- 100 to 500 mm
 - 500 to 800 mm
 - 800 to 1500 mm
 - 1500 to 1800 mm
18. Single Super Phosphate contains _____ percent sulphur:
- 16
 - 18
 - 12
 - 20
19. Which one fertilizer contains secondary nutrient other than primary nutrients?
- Ammonium nitrate
 - Urea
 - DAP
 - Ammonium sulphate

20. Which nutrient is essential to increase protein content in cereals?
 a. Phosphorus b. Nitrogen
 c. Potassium d. Calcium
21. Which one of the following nutrient stimulates flowering and seed formation?
 a. Nitrogen b. Phosphorus
 c. Sulphur d. Calcium
22. Khaira disease in rice is caused by deficiency of:
 a. Nitrogen b. Sulphur
 c. Iron d. Zinc
23. Which nutrient is not a constituent of chlorophyll but helps in chlorophyll?
 a. Phosphorus b. Magnesium
 c. Sulphur d. Nitrogen
24. Which nutrient is essential for symbiotic and non-symbiotic nitrogen fixation?
 a. Boron b. Zinc
 c. Iron d. Molybdenum
25. Iron chlorosis in calcareous soils can be corrected by application of:
 a. Elemental sulphur
 b. Lime
 c. Murate of potash
 d. Calcium ammonium nitrate
26. For foliar spray the biuret content in urea should be:
 a. 1.0 - 1.5 per cent
 b. 1.5 - 2.0 per cent
 c. 2.0 - 2.5 per cent
 d. Less than 0.5 per cent
27. Whiptail disease of cauliflower is caused by deficiency of:
 a. Zinc b. Molybdenum
 c. Boron d. Manganese
28. Which one of the following oilcakes contains maximum nitrogen content?
 a. Castor cake b. Groundnut cake
 c. Neem cake d. Coconut cake
29. Which one of the following is concentrated organic manure?
 a. FYM
 b. Super Compost
 c. Rock Compost
 d. Castor cake
30. Phosphorus fixation is more in:
 a. Neutral soils
 b. Acid soils
 c. Submerged soils
 d. None of the above

31. Zinc sulphate should not be mixed with:
- SSP
 - Urea
 - Ammonium chloride
 - FYM
32. Which one of the following strain of *Rhizobium* is used in soybean for seed treatment?
- R. meliloti*
 - R. trifolii*
 - R. japonicum*
 - R. leguminosorum*
33. Neem cake contains:
- Dhuringin
 - Azadirachtin
 - Saponin
 - None of these
34. In case of trees and vines the Certificate of Registration shall be valid for:
- 6 years
 - 9 years
 - 15 years
 - 18 years
35. Desired seed replacement rate for varieties of self and cross pollinated crops are:
- 20% and 25%
 - 60% and 50%
 - 20% and 10%
 - 25% and 35%
36. A major re-structuring of the seed industry by Government of India through the National Seed Project Phase-III was done in the year:
- 1970-71
 - 1977-78
 - 1990-91
 - 2007-08
37. Cytoplasmic-genetic male sterility is controlled by the genes of:
- Chloroplast
 - Cytoplasm
 - Nucleus
 - Both b and c
38. To maintain the variation in any species, cell division ----- is essential:
- Mitosis
 - Meiosis
 - Both a and b
 - None of these
39. High inbreeding depression is observed in:
- Self pollinated crops
 - Often cross pollinated crops
 - Cross pollinated crops
 - Not depend on nature of pollination
40. As a result of one meiosis, number of female gametes are formed:
- 1
 - 2
 - 3
 - 4
41. The heterosis can be fixed by:
- Apomixes
 - Male sterility
 - Self incompatibility
 - None of these
42. Seed is a mature:
- Ovary
 - Embryosec
 - Ovule
 - Embryo

43. With 'n' heterozygous gene pairs, the proportion of completely homozygous plants after 'm' generations of self-fertilization:
- a. $[(3^m - 1)/2^{m,n}]^n$ b. $[(2^m - 1)/3^{m,n}]^n$
c. $[(2^m - 1)/2^{m,n}]^n$ d. None of these
44. After 'm' generations of self-fertilization of a complete heterozygous genotype the proportion of homozygosity is:
- a. $(1/2)^m$ b. $1 - (1/2)^m$
c. $(1/2)^m - 1$ d. $1 - (1/4)^m$
45. Collins (1927) observed albino barley at below 45°F it became normal at above 65°F he called it:
- a. Environment dependent character
b. Threshold effect
c. G × E interaction
d. Effect of environment
46. Stratified mass selection is advantageous if:
- a. Environmental effect is high
b. Inter strata variation is high
c. Environmental effect is low
d. Intra strata variation is high
47. For GCA testing the tester should be:
- a. Narrow genetic base
b. Broad genetic base
c. Inbred line
d. With dominant genes
48. In back crossing the line to be improved should be used as:
- a. Male recurrent parent
b. Male donor parent
c. Female recurrent parent
d. Female donor parent
49. Time saving and most effective method for identification of transgressive segregants is:
- a. Back cross method
b. Pure line selection
c. Doubled heploidy
d. Single seed descent method
50. Pure line selection is applicable in:
- a. Hybrids b. Composites
c. Synthetics d. Varieties
51. For seed germination which activity is essential:
- a. Imbibition of water
b. Cell elongation
c. Increase in cell number
d. All of the above
52. The seeds able to tolerate moisture loss:
- a. Recalcitrant b. Orthodox
c. Both a and b d. None of these

53. Inbred line can be improved by:
- Pedigree method
 - Convergent improvement method
 - Back crossing
 - All of the above
54. To develop heterotic pools those inbred lines are selected which are:
- Good combiner with P_1 or P_2
 - Good combiner with P_1 and P_2
 - Poor combiners with both parents
 - Not depend on combining ability
55. In transversion:
- Purine replaced by another purine
 - Pyrimidine replaced by another pyrimidine
 - Purine replaced by pyrimidine or vice versa
 - None of these
56. Who described the mutagenic effects of X-rays in barley?
- Muller (1927)
 - Stadler (1928)
 - McClintock (1929)
 - None of these
57. Superiority of F_1 over better parent is known as:
- Heterosis
 - Heterobeltiosis
 - Economic heterosis
 - Luxuriance
58. In dominance hypothesis heterosis will be higher if:
- Disperse dominance
 - Unidirectional dominance
 - The 'h' and 'l' having same sign
 - All of the above
59. Preponderance of non additive gene action can be exploited by:
- Varieties
 - Composites
 - Synthetics
 - Hybrids
60. Germination is suspended by active endogenous inhibitors in:
- Sterility
 - Incompatibility
 - In viability
 - Dormancy
61. Which of the following seeds can germinate in anaerobic conditions?
- Wheat
 - Maize
 - Paddy
 - Green gram
62. Testa is governed by the genotype of:
- Male
 - Female
 - Both by a and b
 - Interaction of egg and sperm genotype
63. The tag colour of the foundation seed is:
- Golden yellow
 - Blue
 - White
 - Not required

64. Plants grown in the field from previous crops:
- Volunteer plants
 - Off-type
 - Weeds
 - All of the above
65. In maize isolation distance for inbred line from same seed colour plants is:
- 200 m
 - 400 m
 - 600 m
 - 800 m
66. Time isolation is permissible in:
- Maize
 - Pearl millet
 - Sorghum
 - Black gram
67. The moisture content for seed storage in wheat should not be more than:
- 9%
 - 10%
 - 11%
 - 12%
68. The genetic purity of a variety is tested by:
- Progeny testing
 - DUS Testing
 - Grow out test
 - All of the above
69. Based on physiography and climate, the Planning Commission (1985-90) divided the country into _____ broad agroclimatic zones:
- 15
 - 21
 - 6
 - 9
70. The summation of weather conditions over a given region during a comparatively longer period is termed as:
- Weather
 - Climate
 - Meteorology
 - None of above
71. The lowermost layer of atmosphere is:
- Troposphere
 - Stratosphere
 - Mesosphere
 - Thermosphere
72. For wheat optimal range of temperature for proper germination and vegetative growth is:
- 21 to 25°C
 - 15 to 20°C
 - 10 to 14°C
 - 26 to 30°C
73. According to Land Capability Classification, use of Class VI land is restricted to:
- Field crops
 - Orchards
 - Field crops and orchards
 - Pastures and siculture
74. Water in soil above field capacity is termed as:
- Gravitational water
 - Capillary water
 - Hygroscopic water
 - None of the above
75. According to USDA system, particle diameter of silt is:
- 0.002 to 0.020 mm
 - 0.02 to 0.20 mm
 - 0.20 to 2.00 mm
 - >2.00 mm

76. In most mineral soils the particle density varies between:
 a. $1.4-1.8 \text{ mg/m}^3$ b. $2.5-2.7 \text{ mg/m}^3$
 c. $2.0-2.2 \text{ mg/m}^3$ d. $1.8-2.0 \text{ mg/m}^3$
77. How much area in the country is affected by wind erosion?
 a. 57.16 million ha b. 2.68 million ha
 c. 10.46 million ha d. 6.32 million ha
78. The major portion of the soil carried by the wind moves in a series of short bounces is called:
 a. Saltation b. Suspension
 c. Surface creep d. None of the above
79. Which is a correct sequence of soil erosion?
 a. Sheet-Rill-Gully
 b. Rill-Gully-Sheet
 c. Gully-Sheet-Rill
 d. Rill-Sheet-Gully
80. If the velocity of water is doubled, its erosive power increases ____ times:
 a. 2 b. 4
 c. 6 d. 8
81. Saltation occurs when particle size is:
 a. 0.1-0.5 mm b. 0.5-1.0 mm
 c. 1.5-2.0 mm d. 1.0-1.5 mm
82. Infiltration of soils having hard pan can be increased by:
 a. Mulching b. Sub soiling
 c. Basin listing d. None of the above
83. The centre of origin of rice is:
 a. India and Burma b. America
 c. South Africa d. Brazil
84. Boro crop of rice is sown in the month of:
 a. May-June
 b. June-July
 c. November-December
 d. March-April
85. PRH-10 is a hybrid of:
 a. Pearlmillet b. Maize
 c. Sorghum d. Rice
86. In nursery raised by “Dapog Method” seedlings becomes ready for transplanting at the age of?
 a. 14 days b. 21 days
 c. 25 days d. 30 days
87. Six rowed barley is:
 a. *Hordeum distichon*
 b. *Hordeum vulgare*
 c. *Hordeum irregulare*
 d. All of the above

88. Sweet corn is:
 a. *Zea mays indentata*
 b. *Zea mays indurata*
 c. *Zea mays saccharata*
 d. *Zea mays amylacea*
89. Maize protein 'Zein' is deficient in:
 a. Tryptophan and Lysine
 b. Vitamin A
 c. Riboflavin
 d. Vitamin E
90. Sorghum is considered as camel crop because of:
 a. Deep root system
 b. Resistance to drought
 c. Shallow root system
 d. Nutrient exhaustiveness
91. *Phalaris minor* in wheat can be controlled by herbicide:
 a. 2,4-D b. Atrazine
 c. Paraquat d. Isoproturon
92. Norin-10 gene is responsible for dwarfism in:
 a. Wheat b. Rice
 c. Black gram d. Pearl millet
93. Which of the following is ideal temperature for tillering in wheat?
 a. 10-15°C b. 16-20°C
 c. 20-23°C d. 23-25°C
94. The recommended seed rate for bunch type groundnut is:
 a. 40-50 kg/ha b. 50-60 kg/ha
 c. 60-70 kg/ha d. 80-100 kg/ha
95. Which herbicide can be used to control weeds in soybean at 15-20 days after sowing?
 a. Alachlor b. Imazethapyr
 c. Fluchloralin d. Metalachlor
96. Recommended depth of sowing for soybean is:
 a. 2 to 3 cm b. 3 to 4 cm
 c. 5 to 6 cm d. 6 to 8 cm
97. The center of origin of sesame is:
 a. America b. India
 c. South Africa d. Indonesia
98. The fruit of mustard is:
 a. Siliqua b. Receme
 c. Caryopsis d. Ear
99. Delinting of cotton seed can be done with:
 a. Hydrochloric acid
 b. Nitric acid
 c. Sulphuric acid
 d. Citric acid

100. In sugarcane setts hot water treatment is done to:
- Control seed borne diseases
 - Control soil borne diseases
 - Break dormancy
 - Convert sucrose into glucose
101. *Cuscuta* is a parasitic weed of:
- Berseem
 - Lucerne
 - Oat
 - Fodder sorghum
102. The metamorphic rock, marble is formed from:
- Limestone
 - Sandstone
 - Shale
 - Coal
103. Minerals formed during the early stage of weathering are:
- Muscovite and Illite
 - Calcite and Hornblende
 - Kaolinite and Gibbsite
 - Hematite and Goethite
104. Science which deals with soils genesis and classification:
- Petrology
 - Pedagogy
 - Pedology
 - Petrography
105. Which is the soil order of deep black soil?
- Vertisols
 - Entisols
 - Inceptisols
 - Ultisols
106. Arrangements of soil particles is referred as:
- Soil texture
 - Soil structure
 - Soil organization
 - None of the above
107. First 15 cm layer of land which is ploughed for cultivation of crop is called:
- Soil profile
 - Rhizosphere soil
 - Furrow slice
 - Sub-soil
108. Soil particles get deflocculated due to presence of:
- Sulphur
 - Sodium
 - Calcium
 - Magnesium
109. Which of the following crop has been approved for commercial cultivation in India?
- Bt. Brinjal
 - Bt. Tomato
 - Bt. Cotton
 - None of the above
110. Which of the following does not apply to SRI method of rice cultivation?
- Reduced water application
 - Reduced plant density
 - Reduced age of seedlings
 - Increased application of fertilizers
111. Cotton belongs to the family:
- Cruciferae
 - Malvaceae
 - Anacardiaceae
 - Solanaceae

112. In mango squash ($^{\circ}$ Brix-8, acidity-0.2%), how much quantity of Potassium Metabisulphite (KMS) is added in 1.0 kg fruit juice?
- a. 2.43 g b. 3.43 g
c. 4.43 g d. 5.43 g
113. “Arka Mridula” is a variety of:
- a. Tamarind b. Mango
c. Guava d. Apple
114. Parentage of “Amrapali” hybrid of mango are:
- a. Neelum x Dashehari
b. Dashehari x Neelum
c. Neelum x Alphonso
d. Ratna x Alphonso
115. Grape is mostly propagated by:
- a. Inarching
b. Budding
c. Soft wood grafting
d. Hard wood stem cutting
116. _____ is propagated by off-shoots (suckers) emerging from the base of the plant?
- a. Mandarin b. Guava
c. Date Palm d. Pomegranate
117. Ideal planting distance of Date palm is:
- a. 5m \times 5m b. 6m \times 6m
c. 7m \times 7m d. 8m \times 8m
118. “Pusa Delicious” is a variety of:
- a. Date Palm b. Papaya
c. Banana d. Mango
119. In Central India, mandarins are manured during May for:
- a. Mrig Bahar b. Ambe Bahar
c. Hast Bahar d. None of the above
120. January–February flowering in Pomegranate is known as:
- a. Mrig Bahar b. Ambe Bahar
c. Hasta Bahar d. None of these
121. “NA 6” variety of Aonla is a selection of:
- a. Chakaiya b. Francis
c. Banarasi d. NA 7
122. ‘Seb’ is a popular variety of:
- a. Coconut b. Date palm
c. Ber d. Cashew nut
123. In high density orcharding of papaya with variety PusaNanha, suitable plant spacing is:
- a. 1.2m \times 1.2m b. 1.6m \times 1.6m
c. 1.8m \times 1.8m d. 1.0m \times 1.0m
124. Panama wilt disease in Banana is caused by:
- a. *M. phaseolina*
b. *Fusarium oxysporum*
c. *G. musae*
d. *V. theobromae*

125. Powdery mildew in Ber is caused by:
- I. zizyphi*
 - Alternaria spp.*
 - Phytophthora spp.*
 - Oidium zizyphi*
126. Causal organism for Gummosis in Citrus is:
- Phytophthora spp.*
 - Xanthomonas spp.*
 - Alternaria citri*
 - Glomerella cingulata*
127. Ideal time for T-budding in roses in northern plains is:
- February–April
 - January–March
 - December–February
 - October–November
128. 'Pusa Uttam' is a variety of:
- Tomato
 - Potato
 - Bottle gourd
 - Brinjal
129. Average seed rate of cabbage is:
- 500-750 g
 - 200-350 g
 - 1000-1250 g
 - 350-450 g
130. Which one is a rich source of carotene?
- Brinjal
 - Cauliflower
 - Carrot
 - Capsicum
131. Scientific name of cauliflower is:
- Brassica oleracea* var. botrytis
 - Brassica oleracea* var. capitata
 - Brassica oleracea* var. gemmifera
 - Brassica oleracea* var. italica
132. Crop geometry of spring–summer season okra is:
- 60 cm × 30 cm
 - 45 cm × 30 cm
 - 60 cm × 60 cm
 - 60 cm × 45 cm
133. Pusa Chetki is a variety of:
- Radish
 - Carrot
 - Cauliflower
 - Cabbage
134. How much area is required for raising seedlings of tomato for one hectare?
- 1000 m²
 - 750 m²
 - 500 m²
 - 250 m²
135. Optimum seed rate of small seeded water melon is:
- 3.0–3.5 kg/ha
 - 2.0–2.5 kg/ha
 - 4.0–4.5 kg/ha
 - 1.0–1.5 kg/ha
136. Damping off in chilli is caused by:
- Pythium spp.*
 - Erysiphe spp.*
 - Peronospora spp.*
 - Albugo spp.*
137. Causal organism of powdery mildew in pea:
- Septoria lycopersici*
 - Uromyces pisi*
 - Erysiphe polygoni*
 - Fusarium spp.*

138. Radical cracks at the stem end of the tomato fruit are caused by:
- Phosphorus deficiency
 - Phytophthora infestans
 - Fruit borer
 - Wide fluctuations in soil moisture
139. In cabbage, cauliflower and broccoli hollow stems with darkened interiors are most often caused by:
- Boron deficiency
 - Magnesium deficiency
 - Calcium deficiency
 - Chilling temperature
140. Thread like white lines on the vegetable leaf that gradually widen are symptom of:
- Aphids
 - Flea beetles
 - Army worm feeding
 - Leaf miner
141. Soft wood grafting is successful in:
- Grapes
 - Aonla
 - Pomegranate
 - Mango
142. Processing temperature for canning in vegetables except more acidic is:
- 85-101°C
 - 115-121°C
 - 125-131°C
 - 134-151°C
143. Which of the following is not an auxin?
- IAA
 - NAA
 - 2,4-D
 - GA₃
144. If heritability is high which method is most suitable:
- Mass selection
 - Half sib selection
 - Full sib selection
 - Reciprocal recurrent selection
145. The natural selection can play the role in:
- Pure line selection
 - Pedigree selection
 - Bulk method
 - Single seed descent method
146. Proportion of individuals having the expected phenotype determined by particular gene is called:
- Expressivity
 - Heritability
 - Segregation
 - Penetrance
147. A, B, AB and O blood groups are the example of:
- Pleiotropy
 - Heritability
 - Dominance
 - Codominance

148. In a diallel cross difference between marginal totals of a parent is due to:
- Reciprocal effect
 - Maternal effect
 - Environmental effect
 - Interaction of nuclear and cytoplasmic genes
149. Effect of linkage is visible in:
- P_1
 - P_2
 - F_1
 - F_2
150. 9:3:4 Ratio is obtained in:
- Recessive epistasis
 - Dominant epistasis
 - Duplicate epistasis
 - Complementary epistasis
151. Household refrigerators are generally operated at:
- 7-10°C
 - 4.5-7°C
 - 10-12°C
 - 10-15°C
152. Which of the following is an example of Perishable food?
- Wheat
 - Milk
 - Paddy
 - Bajra
153. Elephant's Foot Yam is a rich source of Vitamin:
- A & B
 - B & C
 - C & D
 - Only B
154. What is the term used to describe organism which thrive in the cold?
- Mesophillic
 - Aerophillic
 - Psychrophillic
 - Halophillic
155. A food with a pH value of 3.5 is considered as:
- Neutral
 - Low acid
 - High acid
 - Non-acid
156. Who had designed National Flag of India?
- Pingali Venkayya
 - V. Aiyangar
 - Subhash Chandra Bose
 - Lala Lajpat Rai
157. The first Adaptation Gap Report on Climate Change was recently released by:
- International Maritime Organisation
 - United Nations Environment Programme
 - United Nations Development Organisation
 - United Nations Framework Convention on Climate Change

158. Who has been appointed as first Deputy Chairperson of recently constituted NITI Aayog?
- Bimal Jalan
 - Arvind Pangaria
 - Amartya Sen
 - Suresh Tendulkar
159. What was the venue for Blue Economy-International Workshop on Sustainable Growth held in September 2014?
- Dhaka, Bangladesh
 - Melbourne, Australia
 - New Delhi, India
 - Beijing, China
160. Recently the major tribal bodies of which State rejected the demand for a separate State called Twipraland?
- Meghalaya
 - Tripura
 - Chhattishgarh
 - Jharkhand
161. The China-Pakistan Economic Corridor which was inaugurated by Pakistan Prime Minister, Nawaz Sharif on 29 November 2014 will connect:
- Lahore in Pakistan and Xinjiang in China
 - Gwadar Port in Pakistan and Xinjiang in China
 - Xinjiang in China and Gilgit in Pakistan-occupied Kashmir
 - Lahore in Pakistan with Shanghai in China
162. Air India on 4 December 2014 signed an MoU for implementation of the monetisation of its assets at various locations on joint venture basis with:
- Reliance Industries Ltd.
 - Star Alliance
 - National Buildings Construction Corporation Limited
 - Air Asia
163. Who will head the Social Justice Bench recently constituted by the Supreme Court for speedy delivery of justice in a range of social issues?
- Justice Madan B. Lokur
 - Justice P. Sathasivam
 - Justice K.N. Katju
 - Justice Anil R. Dave
164. Who among the following was recently appointed as the new Director of Central Bureau of Investigation (CBI)?
- Acharya Shivpoojan Sahay
 - Vijay Kumar
 - Anil Kumar Sinha
 - Omendra Bhardwaj
165. Who of the following was named as the TIME's Person of the Year 2014?
- Ebola fighters
 - Mark Zuckerberg
 - Malala Yosufzai
 - Pope Francis

166. Where is Mangva cave located?
 a. Ukhrul b. Churachandpur
 c. Tamenglong d. Chandel
167. In December 2014, Nyaborongo Hydro Electric Project was commissioned by Bharat Heavy Electricals Limited in which of the following African countries?
 a. Rwanda b. Sudan
 c. Kenya d. South Africa
168. Which of the following is the oldest text in world?
 a. Sama Veda b. Atharva Veda
 c. Rig Veda d. Yajur Veda
169. Which of the following organisations looks at standard for representation of data on the internet?
 a. IEEE b. ISOC
 c. W3C d. IETE
170. Which of the following pairs (Place: event) is incorrectly matched with regards to Gautam Buddha's life?
 a. Lumbini: Birth
 b. Bodh Gaya: Attained Enlightenment
 c. Sravasti: First Sermon
 d. Kusinara: Death
171. Which of the following is not true of the Cabinet Mission plan?
 a. It rejected the creation of a separate State of Pakistan
 b. It gave scope to the communal representation
 c. It recognized India's right to secede from the Commonwealth
 d. All members of the Indian Cabinet are to be Indians
172. Who was the Author of Rajtarangini:
 a. Kalhan b. Jaydev
 c. Banbhatt d. Vishnugupt
173. The social ideals of Mahatma Gandhi were first put forth in:
 a. Harijan
 b. Hind Swaraj
 c. History of Satyagrah in South Africa
 d. My Experiments with Truth
174. Which of the following trophies is not associated with cricket?
 a. Charminar Challenge Cup
 b. Devdhar Trophy
 c. Beighton Cup
 d. Rohinton Baria Trophy

175. The banks are required to maintain a certain ratio between their cash in the hand and totals assets. This is called:
- Cash Reserve Ratio (CRR)
 - Statutory Liquidity Ratio (SLR)
 - Central Bank Reserve (CBR)
 - Asset Liability Ratio (ALR)
176. Ozone layer in the upper atmosphere is due to the reactions of:
- CO₂ & O₂
 - O₂ & UV rays
 - Infrared rays and UV rays
 - CO₂ & Water Vapour
177. The speed of light will be minimum while passing through:
- Air
 - Glass
 - Water
 - Vacuum
178. Galvanising of sheet iron is done by dipping the sheet metal into molten:
- Copper
 - Cadmium
 - Lead
 - Zinc
179. Enzymes are:
- Protein
 - Fatty acids
 - Nucleic acids
 - Sugars
180. The molten rocks called magma spewed out in volcanic eruptions during the earth's early life and solidified into hard rocks called:
- Sedimentary rocks
 - Igneous rocks
 - Granite
 - Basalt
181. The President can dismiss a Member of the Council of Ministers:
- With the consent of the speaker
 - On his own
 - On the recommendation of the Prime Minister
 - Only under emergency conditions
182. The Members of the Parliamentary Committee:
- Are appointed by the President in consultation with the Prime Minister
 - Are taken from various groups and parties in Parliament in proportion to their respective strength
 - Are appointed by the President on the recommendation of the Speaker
 - Both b and c
183. Tansen, a great musician of his time, was in the Court of:
- Jahangir
 - Shahjahan
 - Humayun
 - Akbar
184. The words 'Satyameva Jayate' inscribed below the base plate of the emblem of India are taken from:
- Satpath Brahmana
 - Rigved
 - Mundak Upanishad
 - Tripitak

185. Who is the Author of the book "Superstar India: From Incredible to Unstoppable"?
- a. Vikram Seth b. Sobha De
c. Arvind Adiga d. Arundhati Roy
186. Solar energy is due to:
- a. Fission reactions
b. Fusion reactions
c. Chemical reactions
d. Combustion reactions
187. Oxytocin is secreted by:
- a. Adrenal gland b. Testes
c. Pituitary gland d. Pancreas
188. Autotrophs in an ecosystems are called:
- a. Consumers
b. Producers
c. Decomposers
d. Abiotic constituents
189. Joint Parliamentary Sessions are chaired by the:
- a. Speaker of the Lok Sabha
b. President of India
c. Vice President of India who is the Chairman of the Rajya Sabha
d. Prime Minister of India
190. A man walks 3 km. northwards and then turns left and goes 2 km. He again turns left and goes 3 km. He turns right and walks straight. In which direction he is walking now?
- a. East b. West
c. North d. South
191. Kamal ranked 16th from the top and 29th from the bottom among those who passed an examination. 6 boys did not participate in the competition and 5 failed in the examination. How many boys were there in that class?
- a. 44 b. 40
c. 50 d. 55
192. What will be the missing number in the series:
0, 7, 26, 65, 124, 215, ?
- a. 295 b. 305
c. 323 d. 342
193. A lady pointing to a man in photograph says, "The father of his brother is the only son of my maternal grandfather." How is the man related to that lady?
- a. Husband
b. Son
c. Maternal uncle
d. None of these

194. What is 'Oolaobi'?
- a. An outdoor game mainly played by females
 - b. Ritual performed during Yaosang
 - c. Type of religious procession
 - d. Costume used in Manipuri dance
195. Gaan-Ngai is the festival of which tribe?
- a. Zeliangrong b. Thadou
 - c. Poumai d. Tangkhul
196. What is the capital of Albania?
- a. Yerevan b. Tirana
 - c. Skopje d. Dodoma
197. The Northern Part of Western Ghats is known as:
- a. Sahyadris Range
 - b. Neelgiri Range
 - c. Satpura Range
 - d. Vindhyan Range
198. Anshi National Park is located in:
- a. Maharashtra
 - b. Odisha
 - c. Karnataka
 - d. Telangana
199. Aphelion takes place on:
- a. 9th May
 - b. 4th July
 - c. 15th September
 - d. 21st November
200. The instrument used to detect and record earthquakes is called:
- a. Seismograph
 - b. Barometer
 - c. Hygrometer
 - d. Altimeter