

Sl. No. :

FAFTY

Register
Number

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2018
FORESTRY
(Degree Standard)

Time Allowed : 3 Hours]

[Maximum Marks : 300

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

IMPORTANT INSTRUCTIONS

1. The applicant will be supplied with Question Booklet 15 minutes before commencement of the examination.
2. This Question Booklet contains **200** questions. Prior to attempting to answer the candidates are requested to check whether all the questions are there in series and ensure there are no blank pages in the question booklet. **In case any defect in the Question Paper is noticed it shall be reported to the Invigilator within first 10 minutes and get it replaced with a complete Question Booklet. If any defect is noticed in the Question Booklet after the commencement of examination it will not be replaced.**
3. Answer **all** questions. All questions carry equal marks.
4. You must write your Register Number in the space provided on the top right side of this page. Do not write anything else on the Question Booklet.
5. An answer sheet will be supplied to you, separately by the Room Invigilator to mark the answers.
6. You will also encode your Question Booklet Number with Blue or Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, action will be taken as per commission's notification.
7. Each question comprises *four* responses (A), (B), (C) and (D). You are to select **ONLY ONE** correct response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
8. In the Answer Sheet there are **four** circles (A), (B), (C) and (D) against each question. To answer the questions you are to mark with Blue or Black ink Ball point pen **ONLY ONE** circle of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. *e.g.* If for any item, (B) is the correct answer, you have to mark as follows :

(A) ● (C) (D)
9. You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the time of examination. After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
10. The sheet before the last page of the Question Booklet can be used for Rough Work.
11. Do not tick-mark or mark the answers in the Question Booklet.
12. Applicants have to write and shade the total number of answer fields left blank on the boxes provided at side 2 of OMR Answer Sheet. An extra time of 5 minutes will be given to specify the number of answer fields left blank.
13. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.

SEAL

1. Prolonged process of gully erosion leads to
- (A) Land slides (B) Ravines
(C) Slumping (D) Gully
2. Non leguminous symbiotic nitrogen fixing tree is.
- (A) Neem (B) Teak
(C) Sandal (D) Casuarina
3. To ameliorate acid soils application of following amendments followed
- (A) Lime (B) Boran
(C) Molybdenum (D) Zinc
4. Fluffy soil will have
- (A) Low mechanical strength
(B) Medium mechanical strength
(C) High mechanical strength
(D) Very high mechanical strength
5. Soil having more than 30% clay in its textural composition belongs to the order
- (A) Andisol (B) Vertisol
(C) Mollisol (D) Alfisol
6. The USDA system of soil classification is also known as
- (A) Indian soil classification system
(B) Comparative soil classification system
 (C) Comprehensive soil classification system
(D) Genetic soil classification system

7. Which of the statements are correct pertaining to forest influences
- (i) Forests increases rainfall
 - (ii) Forests reduces humidity
 - (iii) Forests reduces wind speed
 - (iv) Forests increases number of rainy days
- (A) All are correct
(B) (i), (ii) and (iii) are correct
(C) (ii), (iii) and (iv) are correct
 (D) (i), (iii) and (iv) are correct
8. Practice of forestry for the people, by the people and of the people is
- (A) Recreation forestry (B) Agro forestry
(C) Eco-tourism (D) Social forestry
9. High land agro forestry systems are mostly practiced in
- (A) Arid zones (B) Humid areas
(C) High rainfall areas (D) Hilly areas
10. In protein bank, predominantly planted crops and trees are rich in
- (A) Biomass (B) Protein
(C) Timber value (D) Carbohydrate
11. The structural basis of classification of agro forestry systems is based on
- (A) Tree component
(B) Crop component
 (C) Nature and arrangement of components
(D) Climatic component

12. The horizontal projection on the ground of the tree crown is known as
- (A) Leaf area
 - (B) Surface area
 - (C) Crown cover
 - (D) Crown height
13. Thickness of saw blade ranges from
- (A) 3 – 4 cm
 - (B) 0.5 – 0.75 cm
 - (C) 1.5 – 2.25 cm
 - (D) 4 – 5.5 cm
14. The best timber for ship building is from
- (A) Dalbergia Sissoo
 - (B) Tectona grandis
 - (C) Bamboos
 - (D) Adina Cordifolia
15. Resistance offered by wood to twisting forces acting in opposite directions is termed as
- (A) Resistance to torsion
 - (B) Resistance of transverse strain
 - (C) Resistance to shear
 - (D) Resistance of tension
16. If the space between the contour line decreases when going from high to low, then the slope is
- (A) Concave
 - (B) Convex
 - (C) Uniform
 - (D) Steep

17. The wingless male and female termites perform all functions except

(A) Excavation

(B) Protection

(C) Food collection

(D) Reproduction

18. Termite mound is known as

(A) Termitularia

(B) Termitalia

(C) Termitaria

(D) Termitaria

19. The types of frost are

1. Radiation frost

2. Red frost

3. Advective frost

4. Condense frost

(A) 1, 2, 3

(B) 2, 3, 4

(C) 3, 4, 1

(D) 4, 1, 2

20. Match

I

II

(a) Parasite

1. Weed

(b) Epiphyte

2. Haustoria

(c) Sucking roots

3. Grow on host

(d) Euphorium

4. Derive nutrition from host

(a) (b) (c) (d)

(A) 1 2 3 4

(B) 2 1 4 3

(C) 3 4 1 2

(D) 4 3 2 1

21. BNHS headquarters is located in

(A) Mumbai

(B) Chennai

(C) New Delhi

(D) Dehradun

22. Young bird with open eyes having body feathers in developing stage is called as

(A) Hatchling

(B) Nestling

(C) Fledgeling

(D) Chick

23. _____ Biosphere Reserves are present in Tamil Nadu.

(A) 5

(B) 6

(C) 3

(D) 8

24. Study of reptiles and amphibians is known as

(A) Ophidology

(B) Ethology

(C) Herpatology

(D) Saurology

25. Palamu Tiger reserve is located at

(A) Assam

(B) Karnataka

(C) Uttarpradesh

(D) Jharkhand

26. Snakes lack

(A) Limbs

(B) Tail

(C) Eye lids

(D) Ribs

27. Separation of fibres along the grain in the longitudinal surface or on the end surface is termed as
- (A) Check (B) Flute
(C) Shake (D) Spiral grain
28. Floating of timber in water is divided into
- (A) Three types (B) Four types
 (C) Six types (D) Two types
29. The minimum price fixed during public auction of timber is termed as
- (A) Lumpsum price (B) Upset price
(C) Monopoly price (D) Bargain price
30. Wind breaks are planted at _____ to the direction of wind
- (A) Parallel (B) Right angle
(C) 45° angle (D) 60° angle
31. The handles of European and American axes are
- (A) Oval shaped (B) Circular shaped
(C) Elliptical (D) Triangular
32. Cost of felling, conversion and transport is approximately _____% of the total cost of delivery of timber in the market.
- (A) 40% (B) 30%
 (C) 28% (D) 50%

33. The symbol + is used in age class distribution of working plan indicates
- (A) Pole crop
 - (B) Mature high forest
 - (C) Seedling crop
 - (D) Over mature forest
34. CAI and MAI curves are used to determine
- (A) Rotation age
 - (B) Regeneration period
 - (C) Increment
 - (D) Growing stock
35. The sum by number (or) volume of all trees growing in the forests on a specified part of it is known as
- (A) Stand yield
 - (B) Stand volume
 - (C) Growing stock
 - (D) Sustainable yield
36. How much percent of forward overlap is allowed in aerial photography?
- (A) 10 – 20%
 - (B) 20 – 40%
 - (C) 40 – 60%
 - (D) Above 80%
37. Which instrument is not used for measuring the diameter?
- (A) Woode scale
 - (B) Callipers
 - (C) Tape
 - (D) Altimeter
38. The height class followed in India – Pick the answer
- (A) 1m, 3m, 5m
 - (B) 1m, 2m, 5m
 - (C) 1m, 3m, 10m
 - (D) 1m, 2m, 10m

39. Dry Strobile is witnessed in
 (A) Doqwood (B) Redwood
 (C) Casuarina (D) Fir
40. The term "Epistasis" is attributable to
 (A) Charles Darwin (B) Howardson
 (C) Bateson (D) Vanderlaus
41. Find out the incorrect statement regarding cave dwelling animals
 (A) Lack of pigmentation
 (B) Weak exo-skeleton
 (C) Lack of sense organs
 (D) Reduced appendages
42. Find out the incorrect statement regarding Diapause
 (A) Phenomenon was first pointed out by wheeler
 (B) Very common in Insects
 (C) Reproduction will be very high
 (D) Metabolism reduced to the minimum
43. Which animal have a tendency to defecate at fixed latrine sites forming dung piles?
 (A) Nilgai (B) Chital
 (C) Sambar (D) Indian Gaur
44. The dropping of birds is known as
 (A) Scats (B) Dung
 (C) Guano (D) Pellets

45. A soil formed from parent material in situ is called as
- (A) Sedentary soil
 - (B) Secondary soil
 - (C) Alluvial soil
 - (D) Colluvial soil
46. Branch of forestry concerned with harvesting, conversion, disposal and use of forest produce is termed as
- (A) Forest protection
 - (B) Extension forestry
 - (C) Forest utilization
 - (D) Forest management
47. The country with maximum/higher forest area
- (A) Brazil
 - (B) Russia
 - (C) Canada
 - (D) China
48. According to champion and Seth, Indian forests are divided into _____ forest types.
- (A) 5
 - (B) 16
 - (C) 7
 - (D) 221
49. The scientific/botanical name for Himalayan cedar
- (A) Cedrus deodara
 - (B) Cryptomeria japonica
 - (C) Cupressus torulosa
 - (D) Juniperus macropoda

50. The Occurrence of a certain disease with existing landscape is known as

- (A) Epidemiology (B) Ethology
(C) Saurology (D) Ecology

51. Common name of Eucalyptus grandis is

- (A) Blue gum (B) Red gum
(C) White gum (D) Guar gum

52. The particle size of a coarse sand is

- (A) 0.002 mm to 0.02 mm (B) 0.02 mm to 0.2 mm
 (C) 0.2 mm to 2.0 mm (D) over 2.0 mm

53. The seed weight of Juglans regia

- (A) 170 seeds/gm (B) 170 seeds/kg
(C) 110 seeds/gm (D) 110 seeds/kg

54. Acacia senegal, belongs to the family

- (A) Simaroubaceae (B) Mimosoideae
(C) Combretaceae (D) Malvaceae

55. Match List I with List II and select your answer using the codes given below:

- | List I | List II |
|---------------------------|------------------------------|
| (a) Strong light demander | 1. <u>Ailanthus excelsa</u> |
| (b) produce root suckers | 2. <u>Acacia catechu</u> |
| (c) frost hardy | 3. <u>Acacia leucophloea</u> |
| (d) sensitive to frost | 4. <u>Azadirachta indica</u> |

- (A) (a) (b) (c) (d)
(1) (2) (3) (4)
(B) (2) (3) (1) (4)
(C) (3) (1) (2) (4)
(D) (4) (2) (3) (1)

62. The cation exchange capacity of the soil depends on
- (A) Clay content (B) Sand content
(C) Silt content (D) Gravel content
63. Tropical soil air constitutes _____ percentage of CO_2 .
- (A) 1.0 – 5.0 (B) 2.0 – 6.0
(C) 3.0 – 7.0 (D) 4.0 – 8.0
64. The water held by soil in its large pore spaces is
- (A) Capillary water
(B) Hygroscopic water
 (C) Gravitational water
(D) Soil moisture
65. The density of the soil is
- (A) Bulk density (B) Particle density
(C) Soil porosity (D) Soil pore space
66. As per international society of soil science, the size of soil separates in gravel soil is
- (A) > 2.0 mm (B) $0.2 - 2.0$ mm
(C) $0.02 - 0.2$ mm (D) $0.002 - 0.02$ mm
67. The soil formed due to laterization process is
- (A) Oxisol (B) Vertisol
(C) Podzol (D) Alfisol

68. NRCAF is located in
- (A) New york (B) New Delhi
 (C) Jhansi (D) Nairobi
69. In Tamil Nadu, the first social forestry project was funded by
- (A) CIDA (B) JBIC
(C) USAID (D) SIDA
70. Plantations grown on the sides of public roads canals and railway lines are termed as
- (A) Mixed forestry
(B) Extension forestry
 (C) Linear strip plantations
(D) Avenue plantations
71. In Agro forestry systems trees are planted in
- (A) South West directions
(B) North East directions
 (C) East West directions
(D) North South direction
72. Hedgerow inter cropping is also known as
- (A) Alley cropping
(B) Crop combination with plantation crops
(C) Wind breaks
(D) Protein bank

73. A type of road bridge where the road curls and passes over itself is called as
- (A) Plate girder bridge
 - (B) Box girder bridge
 - (C) Arch bridge
 - (D) Pigtail bridge
74. The structure used to support the super structure at a constant elevation
- (A) Parapet
 - (B) Abutment
 - (C) Roofing
 - (D) Bearing
75. The line joining the optical center of object glass to the center of the eye piece is called as
- (A) Centering
 - (B) Axis of level tube
 - (C) Axis of telescope
 - (D) Changing face
76. An artificial block of burnt clay is called as
- (A) Stones
 - (B) mortar
 - (C) Bricks
 - (D) Plaster
77. The maximum intensity of loading that the soil will carry without the risk of stream failure is called
- (A) Safe bearing capacity
 - (B) True density
 - (C) Shear strength
 - (D) Composite strength
78. The member of a structure which is subjected to compressive stress in direction of its length
- (A) Truss
 - (B) Timber column
 - (C) Beam
 - (D) Roof

85. The undesirable and unwanted plants present among desired plant species is
- (A) Grass (B) Climber
 (C) Weed (D) Tendril
86. The damage caused by rodents are
- (A) Cut bark, root and wood
(B) Cut stem branch and twig
(C) Feed on flower fruits
(D) Feed on leaves
87. The damage caused by wild elephants to forest regeneration can be avoided by electing
- (A) CPTs (B) Fences
 (C) EPTs (D) TTPs
88. Storing of dry fodder to cattle for future use is through
- (A) Hay making (B) Pile making
(C) Slot making (D) Cutting
89. Vulnerable forest areas needs
- (A) Closure of grazing
(B) Regulation of grazing
(C) Periodic grazing
(D) Rotational grazing
90. Grazing is useful in forest areas to
- (A) Reduce grass, shrubs and fire risk in tropics
(B) Break down of thick layer of needles in temperate areas
(C) Protect cattle
 (D) (A) and (B)

91. Preliminary report on encroachment in plains should reach DFO within

(A) Two days

(B) Three days

(C) Four days

(D) Five days

92. Encroachment is done by

(A) Forest dwellers

(B) Villagers

(C) Forest fringe villagers

(D) Forest hamlets

93. Class III land of shifting cultivation area should be allotted to

(A) Agriculture

(B) Horticulture

(C) Pasture

(D) Forest

94. Poder or Kumari in Tamil Nadu refers to

(A) Hill cultivation

(B) Plain cultivation

(C) Shifting cultivation

(D) Relay cropping

95. Absence of economic out look in forests is due to

(A) Poor availability

(B) Poor infrastructure

(C) Poor economic returns

(D) Poor accessibility

96. Deforestation doesn't have the intention of

(A) Revegetating

(B) Reforesting

(C) Redeeming

(D) Rejuvenation

97. In forest mensuration, single pole method is used to estimate the following – Pick the answer
- (A) Diameter (B) Height
(C) Age (D) Increment
98. The portion of the tree Stem (or) Log which is unmerchantable
- (A) Null (B) Stag
(C) Cull (D) Mast
99. Name the policy which diverted the promotion of Joint Forest Management Concept in India
- (A) National Agroforestry Policy 2014
(B) National Forest Policy 1952
(C) National Forest Policy 1894
(D) National Forest Policy 1988
100. Pressler's increment borer is used to determine the following – Choose the correct answer
- (A) height (B) diameter
(C) age (D) volume
101. In Leaning trees the DBH is measured at (growing in flat ground)
- (A) Along the tree stem (B) Vertically
(C) Both vertically and along the stem (D) Uphill side
102. The standard height followed in India for measuring girth is at
- (A) 1.28 M (B) 1.30 M
(C) 1.47 M (D) 1.37 M
103. In British system, the unit of Girth measurement is
- (A) Feet (B) Centimeter
(C) Meters (D) Millimeters

104. Proximate analysis for wildlife food refers to
- (A) Food quality analysis
 - (B) Water analysis
 - (C) Space analysis
 - (D) Cover analysis
105. Which one is not used to estimate the home range of animal?
- (A) Bivariate normal ellipse
 - (B) Convex polygons
 - (C) Non-Parametric based models
 - (D) Thomas Model
106. Which one is a Scavenger animal?
- (A) Lion
 - (C) Stripped Hyena
 - (B) Tiger
 - (D) Indian fox
107. Dachigam Sanctuary is famous for
- (A) Hangul
 - (B) Sambar deer
 - (C) Hog deer
 - (D) Mouse deer
108. Project tiger was launched in the year
- (A) 1972
 - (C) 1973
 - (B) 1975
 - (D) 1970
109. Aerial Survey (for animal census) is highly suitable for
- (A) Moist deciduous forest
 - (B) Grass lands
 - (C) Dry deciduous forest
 - (D) Ever Green forest

110. Expand SACON
- (A) South Asian Council on Natural History
 - (B) Southern Agency Council for Nature
 - (C) South Asian Centre for Oak and Neem
 - (D) Salim Ali Centre for Ornithology and Natural History
111. Indian Board for Wild Life (IBWL) was first constituted in
- (A) 1873
 - (B) 1954
 - (C) 1952
 - (D) 1972
112. Morel and Martin developed technique.
- (A) Induction of Somatic Embryogenesis
 - (B) Production of Disease free plant
 - (C) Isolation of specific pathogenesis
 - (D) Callogenesis
113. Which of the following is incorrectly paired?
- (A) Tamarindus Indica – Spherical crown
 - (B) Abies Pindrow – Cylindrical crown
 - (C) Aibizzia Stipulata – Broad and Flat-topped crown
 - (D) Madhuca Indica – Conical shaped crown
114. It is universally accepted that the Ozone layer in the stratosphere protects us from
- (A) the harmful UV radiation
 - (B) the harmful IR radiation
 - (C) the harmful α radiation
 - (D) the harmful β radiation

115. The term 'forest' is derived from a latin word
- (A) Fores (B) Floris
(C) Forees (D) Foris
116. Epicormic branches originate from
- (A) Adventitious buds (B) Auxillary buds
(C) Meristematic region (D) Infundial buds
117. The discount rate at which NPV is zero is called
- (A) BC Ratio (B) IRR
(C) GDP (D) NPW
118. In remote sensing system which provides its own source of energy for illumination are known as
- (A) Optical sensors (B) Active sensors
(C) Passive sensors (D) Thermal sensors
119. Name the satellite based navigation system that can be used to locate positions anywhere on earth
- (A) Geographic information system
 (B) Global positioning system
(C) Remote sensing
(D) None
120. The average gravity of teak is
- (A) 0.745 (B) 0.692
 (C) 0.554 (D) 0.329

121. Bijasal belongs to the family

- (A) Papilioiniodeae
(C) Sterculiaceae

- (B) Sapindaceae
(D) Combretaceae

122. The germinative capacity of teak is

- (A) 10 – 20%
 (C) 30 – 50%

- (B) 20 – 30%
(D) 50 – 70%

123. Find out the incorrectly matched one

- (A) Parasite – Cuscuta
(B) Epiphyte – Tinospora
(C) Climber – Liana
 (D) Abnoxious weed – Loranthus

124. Find the correct sequence of natural regeneration from seed

- (A) Establishment, Germination, seed dispersal and seed production
(B) Germination, Establishment, seed production and seed dispersal
(C) Seed production, seed dispersal, establishment and germination
 (D) Seed production, seed dispersal, germination and establishment

125. Which one of the species is not a temperate tree?

- (A) Alnus nepalensis (B) Pinus Roxburghii
(C) Pinus patula (D) Terminalia tomentosa

126. A relatively localized necrotic lesion formed on the bark and cambium of trees is termed as

- (A) Mildew (B) Canker
(C) Blight (D) Mosaic

127. _____ is the process of transformation of mineral and organic substances in the soil body.
- (A) Horizonation (B) Translocation
 (C) Humification (D) Decalcification
128. Sequence of topographically related soils are known as
- (A) Catena (B) Crotovinas
(C) Ecosphere (D) Lithosphere
129. Under weathering process the most stable mineral is
- (A) Olivine (B) Biotite
(C) Anorthite (D) Quartz
130. Stratigraphy refers
- (A) Geology (B) Historical geology
(C) Pedology (D) Zoology
131. Colour of the mineral powder obtained by scratching is
- (A) Colour (B) Streak
(C) Fracture (D) Lusture
132. Quartzite is formed from
- (A) Lime stone (B) Granite
 (C) Sand stone (D) Stale

133. In JFM, composition of women in the executive committee should be a minimum of
- (A) 15% (B) 20%
(C) 12% (D) 33%
134. Tree species commonly found in wooden hedgerows
- (A) Teak
(B) Ceiba Pentandra
(C) Artocarpus heterophyllus
 (D) Erythrina species
135. In North India, industrial agro forestry was promoted through the species
- (A) Teak (B) Bamboo
 (C) Poplar (D) Sandal
136. The unit of management under JFMs
- (A) Hamlet (B) District
(C) Panchayat (D) Village
137. NCA (1976) classified social forestry into
- (A) Four kinds (B) Three kinds
(C) Two kinds (D) Five kinds
138. Temporally, agro forestry systems are classified into
- (A) Three types (B) Five types
(C) Six types (D) Four types

139. Which of the following systems helps to improve soil fertility and reduce soil erosion?
- (A) Homegardens
 - (B) Taunygass
 - (C) Alley cropping
 - (D) Mixed species tree gardens
140. In Kerala, some gardens are characterized by
- (A) 2 – 3 vertical strata
 - (B) 3 – 4 vertical strata
 - (C) 5 – 6 vertical strata
 - (D) 2 – 5 vertical strata
141. In Tamil Nadu, pilot scale JFM projects were implemented in
- (A) Sivagangai and Senthamangalam
 - (B) Ariyalur and Allikulli
 - (C) Ariyalur and Perambalur
 - (D) Perambalur and Karaikudi
142. Suitable tree species for agro forestry systems in arid and semi-arid regions of North India
- (A) Prosopis Cineraria
 - (B) Neolamarckia Cadamba
 - (C) Dalbergia Latifolia
 - (D) Acrocarpus Fraxinifolius
143. The last stage of water erosion is the formation of
- (A) Gullies
 - (C) Ravines
 - (B) Sheets
 - (D) Drills

144. The recommended camber for concrete based road surface is
- (A) 1 in 72 (B) 1 in 48
(C) 1 in 36 (D) 1 in 20
145. The measure of deformation produced due to the application of external forces
- (A) Stress (B) Shear
 (C) Strain (D) Bend
146. The composite material in which concrete is relatively low tensile strength and ductility are counteracted by the inclusion of steel
- (A) Cement (B) Concrete
 (C) Reinforced cement concrete (D) Mortar
147. Pick the odd man out
- (A) Flooding (B) Percolation tank
(C) Stream augmentation (D) Recharge well
148. A geo hydrological unit with a common drainage out let is
- (A) Check dam
(B) Percolation pond
 (C) Watershed
(D) Catchment
149. Movement of soil particles by wind as bounces along the ground surface is
- (A) Saltation (B) Suspension
(C) Surface creep (D) Transportation

150. Which of the following statements is incorrect?
- (A) Resins are soluble in alcohol
 - (B) Resins are soluble in water
 - (C) Resins are soluble in ether
 - (D) Resins are soluble in benzene
151. Which of the following tree species yields root dye?
- (A) Lawsonia Enermis
 - (B) Rubia Cordifolia
 - (C) Pterocarpus Santalinus
 - (D) Acacia Catechu
152. Fibre extracted from Helicteres isora is _____ in colour.
- (A) White
 - (B) Red
 - (C) Green
 - (D) Grey
153. Akund floss is obtained from
- (A) Calotropis Procera
 - (B) Ceiba Pentandra
 - (C) Bombax malabaricum
 - (D) Cochlospermum Religiosum
154. Safety matches were first introduced by
- (A) John Walker
 - (B) J.E. Lundstrom
 - (C) Von Zterberg
 - (D) Charles Sauria
155. Standard size of plywood in India
- (A) 12 × 4 feet
 - (B) 8 × 4 feet
 - (C) 5 × 4 feet
 - (D) 6 × 4 feet

156. Cockchafer is nursery are

- (A) Leaf feeders (B) Sap feeders
(C) Stem feeders (D) Root feeders

157. Pink disease is casuarina is caused by the organism

- (A) Corticium salmoni
(B) Corticium coloroni
 (C) Corticium salmonicolor
(D) Corticium casuarinal

158. The predator for deodar defoliator is

- (A) Calosoma Cedrusi (B) Calosoma deodari
 (C) Calosoma beesoni (D) Calosoma finigis

159. Deliberate burning of forest from opposite side of advancing fire is

- (A) Fire line (B) Fire trace
(C) Advance fire (D) Counter fire

160. Generally the shape of burnt area is

- (A) Circular (B) Regular
(C) Linear (D) Irregular

161. The entire work in termite nest is attended by

- (A) Queen (B) King
 (C) Workers (D) Soldiers

162. An example for physical rotation – Pick the correct answer

(A) Teak

(B) Road side avenues

(C) Eucalyptus

(D) Ailanthus

163. The rotation is also pronounced as

(A) Production period

(B) Regeneration interval

(C) Regeneration period

(D) Regeneration cycle

164. Chemical formula of cellulose is

(A) $C_{10}H_6O_5$

(B) $C_5H_{10}O_4$

(C) $C_6H_5O_5$

(D) $C_6H_{10}O_5$

165. Identify the incorrect statement

(A) Quarter sawn timbers exposing medullary rays are more lustrous

(B) The thicker the cell wall, the greater the specific gravity

(C) Odour is more pronounced in sapwood than heartwood

(D) Moisture content is green timber varies from 50 – 200%

166. Grain of wood refers to

(A) the presence of extractive compounds in heartwood

(B) the relative size of cells

(C) the orientation of fibres or tracheids

(D) the appearance of wood

167. The number of trees per hectare represented by each tree tallied is known as
- (A) Tree factor
 - (B) Calibration distance factor
 - (C) Basal area factor
 - (D) Plot radius factor
168. The product of form factor and total height of the trees is
- (A) Form quotient
 - (B) Form class
 - (C) Tree height
 - (D) Form height
169. Identify the Masson's formula for yield determination
- (A) $\frac{200}{r}$
 - (B) $\frac{2}{D}$
 - (C) $\frac{200}{r^2}$
 - (D) $\frac{2}{r^2}$
170. 'FARSITE' is used in the
- (A) Study of forest fires
 - (B) Study of fossils
 - (C) Study of food spectrum
 - (D) Study of fishes
171. Which one is an incorrect statement regarding wedge prism?
- (A) Calculation of basal area per ha
 - (B) Calculation of number of stumps per ha
 - (C) Calculation of volume per ha
 - (D) Calculation of increment
172. Biolley's method is used to determine the following – pick the answer
- (A) Current annual increment
 - (B) Mean annual increment
 - (C) Volume increment percent
 - (D) Diameter increment percent

173. Total young per total adults is known as

- (A) Crude Natality (B) General Natality
(C) Gross Natality (D) Net Natality

174. The type of communication based on predator-prey interaction is

- (A) Chemical communications
 (B) Mimicry
(C) Instinet
(D) Taxes

175. National Ecotourism Policy and Guideliness was enacted during

- (A) 2000 (B) 1998
(C) 1995 (D) 1990

176. Crocodile Breeding Project was launched in the year

- (A) 1974 (B) 1980
(C) 1975 (D) 1972

177. Which one of the following is a famous bird sanctuary in India?

- (A) Kaziranga
(B) Corbelt National Park
 (C) Keolader Wildlite Sanctuary
(D) Bandhipur National Park

178. Which one is not a bacterial disease for wild animal?

- (A) Pasteurellosis (B) Tuberculosis
(C) Anthrax (D) Rinderpest

184. Myristica swamp forests are found in
- (A) Hills of Maharashtra
 (B) Hills of western ghats
 (C) Valleys of Nilgiris in Tamil Nadu
 (D) Valleys in Tropical evergreen forests of Kerala
185. Identify the species which disperse its seeds by gravity
- (A) Prunus (B) Teak
 (C) Conifers (D) Oak
186. The planned number of years between the formation of a crop and its final felling is defined as
- (A) Regeneration interval (B) Felling cycle
 (C) Rotation (D) Felling interval
187. A type of littoral forest found on seashore below the high tide mark and so subject to tidal influence is known as
- (A) Littoral forest (B) Tidal forest
 (C) Riparian forest (D) Savannah
188. The response in the ontogeny of an organism to relative duration of day and night is known as
- (A) Photo synthesis (B) Photo periodism
 (C) Photo period (D) Photo incentive
189. Identify the drought sensitive sprout?
- (A) Tectona grandis (B) Dalbergia sissoo
 (C) Dalbergia latifolia (D) Gmelina arborea

190. Which one is an egg laying mammal?

(A) Spiny anteater

(B) Porcupine

(C) Hedge hog

(D) Scaly anteater

191. Complete census is adopted for _____ to count the entire solitary population in India.

(A) Wild dogs

(B) Elephant

(C) Lion

(D) Leopard

192. The state animal of Tamil Nadu is

(A) Tiger

(B) Elephant

(C) Nilgiri Thar

(D) Lion tailed macaque

193. Invasive alien weed is

(A) *Cynodon dactylon*

(B) *Lantana camera*

(C) *Solanum tarvum*

(D) *Carsia tora*

194. Damping off in nursery is caused due to

(i) *Phythium*

(ii) *Phytopthora*

(iii) *Fusarium*

(iv) *Rhizoctonia*

(A) (i) and (ii)

(B) (i) and (iii)

(C) (i), (ii) and (iii)

(D) (i), (ii) (iii) and (iv)

195. Lignite is a
(A) Argillaceous rock (B) Calcareous rock
 (C) Carbanaceous rock (D) Siliceous rock
196. Syenite is
(A) Acid rocks (B) Sub acid rocks
(C) Sub basic rocks (D) Basic rocks
197. The dominant elements in the SIMA of the earth crust
(A) Silica and manganese
(B) Silica and aluminium
 (C) Silica and magnesium
(D) Silica and sodium
198. James Hutton published the result of his studies in
(A) Principles of rock
 (B) Theory of the earth
(C) Theory of the planet
(D) Principles of soil
199. Green India mission was started in
 (A) 2010 (B) 2007
(C) 2009 (D) 2002
200. The term social forestry was first used in the year
 (A) 1976 (B) 1985
(C) 1980 (D) 1960