

## FINAL ANSWER KEY

Question 59/2023/OL

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Exam: Forest Ranger (Range Forest Officer) (NCA- ST)

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Department Forest

Question1:-Which among the following constitute the world's largest terrestrial biome?

A:-Boreal forests

B:-Tropical deciduous forests

C:-Scrub forests and grasslands

D:-Amazonian Rain Forests

Correct Answer:- Option-A

Question2:-Which among the following forest type is represented by Myristica swamp forests as per Champion and Seth, (1968) classification?

A:-Sub-group 3D

B:-Sub-group 4C

C:-Sub-group 5C

D:-Sub-group 6A

Correct Answer:- Option-B

Question3:-In zones where life forms of plants are of lower order than the actual climax association called

A:-Pro-climax

B:-Post-climax

C:-Sub-climax

D:-Climatic climax

Correct Answer:- Option-C

Question4:-Plants which prefer shade for growth are known as

A:-Heliophytes

B:-Sciophytes

C:-Psammophytes

D:-Mesophytes

Correct Answer:- Option-B

Question5:-A set of organisms that occur together and that significantly affect each other's distribution and abundance

A:-Ecotone

B:-Ecological Niche

C:-Ecotype

D:-Community

Correct Answer:- Option-D

Question6:-Consider the following statements regarding the methods of measuring Biodiversity:

Which of the statements given below is/are correct?

1. Alpha diversity indicates the diversity between the communities.
2. Beta diversity indicates the diversity within the community.
3. Gamma diversity refers to the diversity of the habitats over the total landscape.

A:-3 only

B:-1 and 2 only

C:-1 and 3 only

D:-1, 2 and 3

Correct Answer:- Option-A

Question7:-The Kunming-Montreal Global Biodiversity Framework was adopted in which of the following COP

A:-COP 3 of UNCBD

B:-COP 5 of UNCCD

C:-COP 21 of UNFCCC

D:-COP 15 of UNCBD

Correct Answer:- Option-D

Question8:-Which among the following is a tree species that usually yield MAI > 20  $m^3 ha^{-1} yr^{-1}$  ?

A:-*Swietenia macrophylla*

B:-*Gmelina arborea*

C:-*Lagerstroemia lanceolata*

D:-*Pinus roxburghii*

Correct Answer:- Option-B

Question9:-Which among the following is an example of high-altitude bamboo?

A:-*Dendrocalamus strictus*

B:-*Bamboosa tulda*

C:-*Bamboosa vulgaris*

D:-*Arundinaria falcata*

Correct Answer:- Option-D

Question10:-Which among the following is the most effective index of site quality determination?

A:-Top height

B:-Crop volume

C:-Top diameter

D:-Mean diameter

Correct Answer:- Option-A

Question11:-One of the following species usually does not produce coppice growth

A:-*Tectona grandis*

B:-*Shorea robusta*

C:-*Cedrus deodara*

D:-*Pterocarpus marsupium*

Correct Answer:- Option-C

Question12:-Density Management Diagrams used in plantation productivity assessment is based on

A:-Yield regulation

B:-Site Index

C:-Crown Competition Factor

D:-Yoda's power law of self-thinning

Correct Answer:- Option-D

Question13:-Match the following:

- |                      |                           |
|----------------------|---------------------------|
| 1. Advance thinning  | a. Removal of elite stems |
| 2. Crown thinning    | b. German thinning        |
| 3. Free thinning     | c. Craib's thinning       |
| 4. Ordinary thinning | d. French thinning        |

A:-(1-b, 2-d, 3-a, 4-c)

B:-(1-c, 2-d, 3-a, 4-b)

C:-(1-c, 2-d, 3-b, 4-a)

D:-(1-b, 2-c, 3-d, 4-a)

Correct Answer:- Option-B

Question14:-The tree density per ha corresponding to quadratic mean diameter at breast height of 25.4 cm is called as

A:-Importance value index

B:-Crown competition factor

C:-Reineke's stand density index

D:-Site Index

Correct Answer:- Option-C

Question15:-As per the State of the Forest report 2021, which among the following states is having the highest mangrove cover?

A:-Gujarat

B:-Andaman and Nicobar Islands

C:-West Bengal

D:-Andhra Pradesh

Correct Answer:- Option-C

Question16:-A potential limitation in qualifying agroforestry for carbon trading in small holder sector is

A:-Huge transactional cost involved

B:-Improper design and management of agroforestry systems

C:-Difficulty in baseline C stock assessment

D:-Lack of awareness

Correct Answer:- Option-A

Question17:-The potential limitation to intensive agroforestry in the humid tropics is

A:-Moisture availability

B:-PAR availability

C:-Heavy nutrient demand

D:-Crop density

Correct Answer:- Option-B

Question18:-Talun-Kebun and Pekranagan are examples of

A:-Parkland agroforestry in sub-Saharan and Central Africa

B:-Homegarden systems of Java, Indonesia

C:-Homestead farms of East Africa

D:-Backyard gardens of Central America

Correct Answer:- Option-B

Question19:-The space and time dominated systems such as homegardens is an example of

A:-Concomitant systems

B:-Interpolated systems

C:-Intermittent systems

D:-Coincident systems

Correct Answer:- Option-B

Question20:-One among the following is an example for edible bamboo species having agroforestry importance

A:-*Guadua angustifolia*

B:-*Dendrocalamus strictus*

C:-*Dendrocalamus asper*

D:-*Bamboosa bambos*

Correct Answer:- Option-C

Question21:-One among the following is not a division of Social Forestry.

- A:-Farm forestry
- B:-Extension forestry
- C:-Community forestry
- D:-Conservation forestry

Correct Answer:- Option-D

Question22:-The type of flow which is predominant in small watersheds is

- A:-Groundwater flow
- B:-Overland flow
- C:-Channel flow
- D:-Inter flow

Correct Answer:- Option-B

Question23:-A hydrograph is plotted against

- A:-Stream discharge against duration of flow
- B:-Rainfall intensity against duration of rainfall
- C:-Cumulative stream discharge against duration of flow
- D:-Accumulated rainfall against duration of rainfall

Correct Answer:- Option-A

Question24:-In areas having water shortage which method of irrigation is preferred

- A:-Surface
- B:-Subsurface
- C:-Sprinkler
- D:-Drip

Correct Answer:- Option-D

Question25:-An aquifer that occurs above the regional water table is known as

- A:-Perched aquifer
- B:-Confined aquifer
- C:-Aquitard
- D:-Aquifuge

Correct Answer:- Option-A

Question26:-The monthly rainfall for a place in Kerala during the month of August 2018 was recorded as 122mm above normal rainfall. The term 'normal' means

- A:-Rainfall received during the month of August 2017
- B:-Average monthly rainfall for August computed from past 12 year's record
- C:-Average annual rainfall for the place computed from past specific 30 year's record

D:-Average monthly rainfall for August computed from past specific 30 year's record

Correct Answer:- Option-D

Question27:-Contour bunds are recommended as a soil and water conservation measure for areas having

A:-Low rainfall and land slope more than 10 per cent

B:-Low rainfall and land slope less than 6 per cent

C:-High rainfall and land slope more than 10 per cent

D:-High rainfall and land slope less than 10 per cent

Correct Answer:- Option-B

Question28:-Large-scale forest cutting generally lead to

A:-Decreases stream flow permanently

B:-Increases stream flow initially

C:-Brings about no change in net stream flow

D:-Increases evapotranspiration

Correct Answer:- Option-B

Question29:-Which of the following statement is/are correct about seed collection in forest?

(i) Seeds collection from the isolated trees of naturally cross-pollinating species are avoided.

(ii) Seed trees to be less than 50 mtrs. apart for seed collection.

(iii) Collections from superior phenotypes if made should be kept separately.

A:-Only (i) and (ii)

B:-Only (ii) and (iii)

C:-Only (i) and (iii)

D:-All of the above

Correct Answer:- Option-C

Question30:-Smallest seed in forest trees of Kerala given below is

A:-*Anogeissus latifolia*

B:-*Adina cordifolia*

C:-*Neolamarkia cadamba*

D:-*Bridelia retusa*

Correct Answer:- Option-B

Question31:-Seed processing involves all the processes beginning from

A:-Fruit harvesting to long term storage

B:-Seed extraction to seed sowing

C:-Fruit harvesting to seed grading

D:-None

Correct Answer:- Option-A

Question32:-Physiological dormancy in seeds is mostly observed in which type of the trees?

A:-Tropical deciduous trees

B:-Mangrove trees

C:-Temperate trees

D:-Desert trees

Correct Answer:- Option-C

Question33:-Which of the following statement is/are correct about long term seed storage of orthodox species?

(i) Low initial moisture content

(ii) Sub-freezing temperature

(iii) Sealed storage

(iv) Between 10°C to 16°C

A:-Only (i), (ii) and (iv)

B:-Only (i) and (ii)

C:-Only (i), (ii) and (iii)

D:-Only (i), (iii) and (iv)

Correct Answer:- Option-C

Question34:-Which of the following statement is/are correct about Central Seed Committee under THE SEEDS ACT, 1966?

(i) A Chairman to be nominated by the Central Government

(ii) Five persons to be nominated by the Central Government

(iii) One person to be nominated by the Government of each of the States.

A:-Only (i) and (ii)

B:-Only (i) and (iii)

C:-Only (ii) and (iii)

D:-All of the above

Correct Answer:- Option-B

Question35:-Which among the following is useful in determining the border line trees during point sampling?

A:-Calibration distance factor

B:-Tree factor

C:-Basal area factor

D:-Point radius factor

Correct Answer:- Option-D

Question36:-According to the Metzger's theory the shape of the tree bole is given by

A:-Cubic paraboloid

B:-Neiloid

C:-Paraboloid

D:-Cone

Correct Answer:- Option-A

Question37:-Multiple yield table is adopted for which species in India

A:-*Cedrus deodara*

B:-*Shorea robusta*

C:-*Pinus wallichiana*

D:-*Pinus roxbourghii*

Correct Answer:- Option-A

Question38:-Sampling intensity adopted for tropical moist deciduous forest is \_\_\_\_\_%.

A:-1.0%

B:-2.5%

C:-5.0%

D:-10.0%

Correct Answer:- Option-B

Question39:-Which of the following statement is/are correct about the mean annual increment (M.A.I.) and current annual increment (C.A.I.) of a tree or stand?

(i) C.A.I. can be negative but M.A.I. cannot be negative.

(ii) C.A.I. continues to rise to the maximum even after the M.A.I. has started falling.

(iii) After attaining maximum value for the M.A.I. the drop is not as rapid as C.A.I.

A:-Only (i) and (ii)

B:-Only (ii) and (iii)

C:-Only (i) and (iii)

D:-All of the above

Correct Answer:- Option-C

Question40:-Which band is not used in Spiegel relaskop?

A:-Band 1

B:-Band 3

C:-Band 2

D:-Band 4

Correct Answer:- Option-B

Question41:-Standing Committee of the Convention on Wetlands has approved the theme for World Wetlands Day for 2024 as

A:-Wetlands Action for People and Nature

B:-Wetland and Human wellbeing

C:-Wetland Restoration



D:-None of the above

Correct Answer:- Option-B

Question42:-Which among the following is not a part of Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)?

A:-Conference of Parties

B:-Standing Committee

C:-Biodiversity Committee

D:-Plant Committee

Correct Answer:- Option-C

Question43:-National Tiger Conservation Authority was constituted based on which amendment of Wildlife Protection Act 1972?

A:-1991

B:-2002

C:-2006

D:-2012

Correct Answer:- Option-C

Question44:-Which of the following statement is/are correct for the average net annual revenue obtained from a stand of tree?

- (i) It is inversely proportional to the cost of formation of stand
- (ii) Inversely proportional to the Rotation of the stand
- (iii) Proportional to the value of final felling

A:-Only (i) and (ii)

B:-Only (ii) and (iii)

C:-Only (i) and (iii)

D:-All of the above

Correct Answer:- Option-B

Question45:-Which among the following is correct for the calculation of Yield regulation?

A:-Based on increment - Biolley's check method

B:-Based on volume of growing stock - single periodic block method

C:-Based on growing stock and increment - Melard's method

D:-Based on diameter class - Breyemen's method

Correct Answer:- Option-A

Question46:-Which among the following is/are correct with respect to the legal backing of JFMC?

- (i) MOU to be signed between state government and JFMC's
- (ii) All adults eligible to become members
- (iii) Registration of JFMC's not necessary

A:-Only (i) and (ii)

B:-Only (ii) and (iii)

C:-Only (i) and (iii)

D:-All of the above

Correct Answer:- Option-A

Question47:-Representative fraction of fire map

A:-1 : 50000

B:-1 : 20000

C:-1 : 25000

D:-1 : 10000

Correct Answer:- Option-A

Question48:-Which of the following statement is/are correct for the Ground fire in the forest?

(i) It has unique characteristic of having smouldering edge with no flame and little smoke.

(ii) It consumes organic matter like musk, duff present in forest floor.

(iii) Easily predictable and easy to tackle.

A:-Only (ii) and (iii)

B:-Only (i) and (iii)

C:-Only (i) and (ii)

D:-All of the above

Correct Answer:- Option-C

Question49:-Frost occurring on nights with clear sky produced by loss of heat

A:-Pool frost

B:-Convection frost

C:-Advective frost

D:-Radiation frost

Correct Answer:- Option-D

Question50:-Which among the following is not the properties of weed?

A:-Resistant to disease and pest

B:-Expressed adaptation ability

C:-Seeds germinate at once

D:-Large quantity of seeds produced

Correct Answer:- Option-C

Question51:-Grazing of a limited number of cattle different parts of the grazing area in predetermined sequence

A:-Periodic grazing

B:-Continues grazing

C:-Mixed grazing

D:-None of the above

Correct Answer:- Option-D

Question52:-The distance of the fire trace from the advancing fire depends on

A:-Speed of advancing fire

B:-The topography

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-C

Question53:-Which bio agent is used for control of parthenium weed?

A:-*Zygogramma bicolorata*

B:-*Coccinella septempunctata*

C:-*Trichogramma* sp

D:-*Chrysoperla carnea*

Correct Answer:- Option-A

Question54:-Which of the following statement is/are correct for the white grubs seen in the nurseries?

- (i) They are polyphagous species
- (ii) Adult beetle reddish, brown or black in colour
- (iii) Larval stage last for 2-3 months

A:-Only (i) and (ii)

B:-Only (ii) and (iii)

C:-Only (i) and (iii)

D:-All of the above

Correct Answer:- Option-A

Question55:-Which among the following is not a wood destroying insects?

A:-*Sinoxylon anale*

B:-*Heterbostrychus acqualis*

C:-*Schistoceros anobiodes*

D:-*Argyroploce illepida*

Correct Answer:- Option-D

Question56:-Which among the following is a broad-spectrum synthetic juvenile hormone mimic?

A:-Isoprene

B:-Methoprene

C:-Neoprene

D:-None of the above

Correct Answer:- Option-B

Question57:-From the following which was released in masses in teak plantation of South India against the principal teak *skeletonizer*, *Eutectona machaeralis*?

A:-*Plecoptera reflexa*

B:-*Dioctes sexguttata*

C:-*Cedria paradoxa*

D:-*Apanteles malevclous*

Correct Answer:- Option-C

Question58:-What is another term for complete metamorphosis?

A:-Ametabolous

B:-Hemimetabolous

C:-Holometabolous

D:-Paurometabolous

Correct Answer:- Option-C

Question59:-Which among the following statement is wrong?

A:-Asia's first butterfly safari park situated at Thenmala.

B:-The first lion safari park in Kerala is in Neyyar.

C:-Kakkayam Ecotourism Destination is located in Kannur.

D:-Ranipuram Ecotourism Destination is located in Kasaragod.

Correct Answer:- Option-C

Question60:-Which among the following methods are used for the economic valuation of the ecotourism site?

I. Travel-Cost Method

II. Hedonic Price Method

III. Contingent Valuation Method

IV. Replacement Cost Method

A:-I and II only

B:-I and III only

C:-II and III only

D:-I, II, III and IV

Correct Answer:- Option-D

Question61:-The art of developing the plant or training the plant into different forms or shapes like animals, birds, arches, etc. is called as?

A:-Trophy

B:-Topiary

C:-Edging

D:-Pruning

Correct Answer:- Option-B

Question62:-Which one of the following is an example for informal type garden?

A:-Mughal garden

B:-French garden

C:-Japanese garden

D:-Italian garden

Correct Answer:- Option-C

Question63:-Which among the following is not true about landscape ecology?

A:-Landscape ecology focuses on the spatial relationships among landscape elements, or ecosystems.

B:-Landscape ecology also studies the flows of energy, mineral nutrients and elements among species.

C:-It also focuses on the ecological dynamics of the landscape mosaic through time.

D:-The role and activities of humans is not included in the landscape ecology studies.

Correct Answer:- Option-D

Question64:-The definition of ecotourism "Responsible travel to natural areas that conserve the environment, sustains the well-being of the local people and involves interpretation and education" is given by

A:-FAO - Food and Agriculture Organization

B:-TIES - International Ecotourism Society

C:-UNWTO - United Nations World Tourism Organization

D:-UNESCO - The United Nations Educational, Scientific and Cultural Organization

Correct Answer:- Option-B

Question65:-Which one of the following statements is not true regarding non-spatial data?

A:-Non-spatial data represents the location of an object on earth surface

B:-It is also called attributes or characteristics data

C:-It is generally one dimensional and independent data

D:-Tabular and attribute data are non-spatial data

Correct Answer:- Option-A

Question66:-Choose the wrong one (Hint : Satellite - Its application)

A:-Cartosat 1 - Stereoscopic Earth observation satellite for mapping.

B:-RISAT 1 - Earth observation satellite to take images of Earth during day and night.

C:-SARAL - Designed to study ocean circulation and sea surface elevation.

D:-SCATSAT - 1 - It is capable of imaging a swath (geographical strip) of 9.6 km and useful for cartographic applications.

Correct Answer:- Option-D

Question67:-Abbreviation of MODIS is

- A:-Moderate Resolution Imaging Spectroradiometer
- B:-Medium Resolution Imaging Spectroradiometer
- C:-Medium Resolution Direct Imaging Spectrometer
- D:-Modular Direct Imaging Spectrometer

Correct Answer:- Option-A

Question68:-Which of the following is not an open-source GIS software?

- A:-QGIS
- B:-GRASS GIS
- C:-SAGA GIS
- D:-ArcGIS

Correct Answer:- Option-D

Question69:-Which among the following statement/s are wrong?

- I. Visible rays, thermal IR and Radio waves are used for remote sensing.
- II. Passive sensors have their own energy source for illumination.
- III. LISS III is an example for space-borne platform for remote sensing.
- IV. Electromagnetic (EM) spectrum is the range of all types of EM radiation.

- A:-I and II
- B:-I and III
- C:-I, II and III
- D:-II and III

Correct Answer:- Option-D

Question70:-Which one of the following pre-processing methods is not involved in digital image processing?

- A:-Radiometric correction method
- B:-Atmospheric correction method
- C:-Parametric correction method
- D:-Geometric correction methods

Correct Answer:- Option-C

Question71:-Which one of the following combination is not correct?

- A:-Damping off-Fungi-Rhizoctonia spp.
- B:-Root rot-Fungi-Fomes spp.
- C:-Wilt disease-Bacteria-Fusarium spp.
- D:-Canker formation-Bacteria-Xanthomonas spp.

Correct Answer:- Option-C

Question72:-Which one of the following diseases is not associated with teak?

- A:-Root rot - *Armillaria mellea*

B:-Powdery mildew - *Phyllactinia guttata*

C:-Leaf rust - *Olivea tectonae*

D:-Leaf blight - *Phoma tectonae*

Correct Answer:- Option-D

Question73:-Which among the following statement is not correct regarding mycorrhiza?

A:-Mycorrhiza are generally non-pathogenic soil fungi associated with roots of certain trees.

B:-Hyphae of mycorrhiza grow in the intercellular space and form a network of hyphae is called as "Hartig Net".

C:-Trees belong to families Fagaceae, Betulaceae and Salicaceae have mycorrhizal association.

D:-Fungi which form ectomycorrhiza belong primarily to Phycomycetes.

Correct Answer:- Option-D

Question74:-Choose the wrong combination: (Hint: Tree-Nursery Disease-Causing organism)

A:-Collar rot - *Rhizoctonia solani*-*Ailanthus triphysa*.

B:-Damping off - *Cylindrocladium scoparium* - *Eucalyptus tereticornis*

C:-Leaf blight - *Olivea tectonae* - *Tectona grandis*

D:-Wilting - *Trametes spp* - *Dalbergia sissoo*

Correct Answer:- Option-D

Question75:-Which one of the following insects is Teak Skeletonizer?

A:-*Hyblaea puera*

B:-*Eutectona machaeralis*

C:-*Galenara consimilus*

D:-*Neophasia menapia*

Correct Answer:- Option-B

Question76:-Which among the following is an example for edible mushroom?

A:-*Agaricus bisporus*

B:-*Amanita muscaria*

C:-*Inocybe lacera*

D:-*Gyromitra esculenta*

Correct Answer:- Option-A

Question77:-Which among the following statement is not true regarding "Felling Rules" of logging operations?

A:-Tree should be felled as low as possible.

B:-Felling should usually begin at the top of a slope and proceed downwards.

C:-Tree should be felled in the direction of downhill side.

D:-Reduced Impact logging should be followed.

Correct Answer:- Option-C

Question78:-The process whereby a felled tree is cross cut into logs is called as?

A:-Limbing

B:-Bucking

C:-Culling

D:-Sampling

Correct Answer:- Option-B

Question79:-Which among the following statement is not true regarding girdling of tree?

A:-Girdling destroys the cambium which disrupts the growth of tree by reducing the flow of water and nutrients in the tree.

B:-Girdling is not recommended for forest management practices.

C:-Girdling before felling is done to eliminate moisture from the tree, thus decreasing its weight.

D:-Girdling permits better seasoning with less degradation.

Correct Answer:- Option-B

Question80:-The entire opening between two adjacent teeth of a saw is called as?

A:-Space

B:-Pitch

C:-Kerf

D:-Gullet

Correct Answer:- Option-D

Question81:-The type of sawing in which cut is made in a plane more or less parallel to the rays and perpendicular to growth rings is called as?

A:-Plain sawing

B:-Rip sawing

C:-Quarter sawing

D:-Box sawing

Correct Answer:- Option-C

Question82:-"Felling by roots" (or Felling for Roots) is advisable for which among the following species?

A:-*Shorea robusta*

B:-*Santalum album*

C:-*Tectona grandis*

D:-*Swietenia macrophylla*

Correct Answer:- Option-B



Question83:-Which among the following statements are true about Exotic forestry?

- (i) The use of exotic plants and trees for various forestry applications.
- (ii) This is inevitable where indigenous species fail to produce the desired quality and quantity of the forest produces.
- (iii) They can sometimes be very competitive and invasive in nature.
- (iv) Indigenous trees have better resistance to diseases and pathogens as compared to exotic species.

A:-(i) and (iv)

B:-(i) and (ii)

C:-All the above

D:-None of the above

Correct Answer:- Option-C

Question84:-The percentage of cellulose in wood ranges from \_\_\_\_\_ to \_\_\_\_\_%.

A:-40-50%

B:-50-60%

C:-10-15%

D:-70-80%

Correct Answer:- Option-A

Question85:-\_\_\_\_\_ type of management involves regulating numbers of animals directly by harvesting or by influencing numbers by altering food supply, habitat, density of predators etc.

A:-Custodial management

B:-Manipulative management

C:-Population management

D:-None of the above

Correct Answer:- Option-B

Question86:-Which part of the wood has the presence of natural preservatives?

A:-Annual rings

B:-Heartwood

C:-Sapwood

D:-Early wood

Correct Answer:- Option-B

Question87:-Which among the following options does not follow the specification for a seed production area?

A:-Best near fully stocked natural stands or plantations

B:-Less crown surface area

C:-Stand must be old enough to produce seed

D:-None of the above

Correct Answer:- Option-B

Question88:-Which among the following are Ground-based methods of radio-tracking animals?

- (i) Homing
- (ii) Triangulation
- (iii) Fixed towers
- (iv) Vehicle mounted antenna

A:-(i) and (ii)

B:-(i) and (iii)

C:-(iv)

D:-All the above

Correct Answer:- Option-D

Question89:-Most tree improvement programs are designed to provide continued gain through \_\_\_\_\_.

A:-Sib selection

B:-Recurrent selection

C:-Independent culling

D:-Family selection

Correct Answer:- Option-B

Question90:-An ongoing conservation breeding programme of the Central Zoo Authority for the conservation of Grey jungle fowl located at \_\_\_\_\_.

A:-Sri Venkateswara Zoological Park, Tirupati

B:-Nehru Zoological Park, Hyderabad

C:-Nandankanan Biological Park, Bhubaneswar

D:-Biological Park, Itanagar

Correct Answer:- Option-A

Question91:-Ketamine hydrochloride is a drug used for

A:-Treatment of foot and mouth disease

B:-Repellent for wild animals

C:-Tranquilization of wild animals

D:-Revival of tranquilized animals

Correct Answer:- Option-C

Question92:-A tree that has been selected for grading because of its desirable phenotypic qualities but that has not been graded or tested is known as \_\_\_\_\_.

A:-Superior tree

B:-Elite tree

C:-Candidate tree

D:-Comparison tree

Correct Answer:- Option-C

Question93:-The air space present inside the perfectly dry wood material determines its \_\_\_\_\_.

A:-Weight

B:-Density

C:-Porosity

D:-Calorific value

Correct Answer:- Option-B

Question94:-Which is the best way to evaluate the genetic worth of selected parent trees?

A:-Selection

B:-Progeny testing

C:-Thinning of parent trees

D:-None of the above

Correct Answer:- Option-B

Question95:-Which among the following is a composite wood?

(i) Particle board

(ii) Core board

(iii) Sandwich board

(iv) Plywood

A:-(i) and (iii)

B:-(ii)

C:-All the above

D:-None of the above

Correct Answer:- Option-C

Question96:-Where is the headquarters of WWF located?

A:-Australia

B:-Italy

C:-France

D:-Switzerland

Correct Answer:- Option-D

Question97:-The commonest type of defect in which portions of the branches enclosed within the wood is \_\_\_\_\_.

A:-Knots

B:-Case - hardening

C:-Collapse

D:-Wrapping

Correct Answer:- Option-A

Question98:- \_\_\_\_\_ is one of the bird sancturies in India.

A:-Kazhiranga

B:-Thattekkad

C:-Point Caliaire

D:-Corbett

Correct Answer:- Option-B

Question99:-What are the features of Inbreeding depression?

(i) Inbreeding depression of tree species can directly impact both genetic diversity and the

overall fitness of individuals within populations.

(ii) Essential to evaluating population viability and extinction risk from the perspectives of

species conservation.

(iii) Major type of inbreeding depression is expressed as albinism.

(iv) This reduction in vigor is caused when recessive deleterious mutations become

homozygous in offspring due to self-pollination and/or crossing with related individuals.

A:-(i) and (ii)

B:-(i) and (iv)

C:-All the above

D:-None of the above

Correct Answer:- Option-C

Question100:-Which of the following statement about seasoned wood is false?

A:-A proper balance between the rate of evaporation of moisture from the surface and the rate of outward diffusion of moisture from interior of the wood

B:-Reduce considerable loss of wood through surface cracking, splitting, wrapping etc.

C:-First step towards realizing maximum attainable dimensional stability from any timber during use

D:-Seasoned wood is heavier

Correct Answer:- Option-D