

APPSC FRO

Previous Year Paper

(General Forestry-II)

27 Sept, 2023 Shift 1



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Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	Paper IV General Forestry II 27th Sep 2023 Shift 1
Subject Name :	Paper IV General Forestry II
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View

Show Progress Bar? : No

Paper IV General Forestry II

Section type : Online
Section Negative Marks : 0.33
Enable Mark as Answered Mark for Review and Clear Response : Yes
Maximum Instruction Time : 0
Is Section Default? : null

Question Number : 1 Question Id : 630680390637 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

Select the correct option based on the following assertion (A) and reason (R).

Assertion (A): The pyramid of energy in an ecosystem is always upright.
Reason (R): The flow of energy from one trophic level to the next is unidirectional.

Options :

- 1. ✖ Both A and R are true, and R is the correct explanation of A.
- 2. ✔ Both A and R are true, but R is not the correct explanation of A.
- 3. ✖ A is true, but R is false.
- 4. ✖ Both A and R are false.

Question Number : 2 Question Id : 630680390638 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

In the forest ecosystem, maximum biomass accumulates at which trophic level?

Options :

1. ✓ Producers
2. ✗ Herbivores
3. ✗ Primary consumers
4. ✗ Secondary consumers

Question Number : 3 Question Id : 630680390639 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The anthropogenic activity that poses a threat to grassland ecosystems is:

Options :

1. ✗ planting more trees to increase biodiversity
2. ✗ promoting controlled grazing by herbivores
3. ✓ overgrazing by livestock
4. ✗ implementing conservation measures

Question Number : 4 Question Id : 630680390640 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the primary factor responsible for the formation of grasslands?

Options :

1. ✗ High annual precipitation
2. ✗ Rich soil with high organic content
3. ✗ Extreme temperature fluctuations
4. ✓ Insufficient rainfall to support tree growth

Question Number : 5 Question Id : 630680390641 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following national parks is a UNESCO World Heritage Site?

Options :

1. ✖ Jim Corbett National Park
2. ✔ Keoladeo National Park
3. ✖ Namdapha National Park
4. ✖ Bhitarkanika National Park

Question Number : 6 Question Id : 630680390642 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which sanctuary/national park is known for its population of the Great Indian bustard?

Options :

1. ✖ Dachigam Wildlife Sanctuary
2. ✖ Mudumalai Wildlife Sanctuary
3. ✔ Desert National Park
4. ✖ Ranthambore National Park

Question Number : 7 Question Id : 630680390643 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is the oldest national park in India?

Options :

1. ✖ Bandipur National Park
2. ✖ Kaziranga National Park

3. ✓ Jim Corbett National Park

4. ✗ Kanha National Park

**Question Number : 8 Question Id : 630680390644 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

The ultradian rhythm refers to a cycle that lasts:

Options :

1. ✓ less than 24 hours

2. ✗ exactly 24 hours

3. ✗ more than 24 hours

4. ✗ varies in duration

**Question Number : 9 Question Id : 630680390645 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

The term 'entrainment' refers to the process of:

Options :

1. ✓ synchronisation of biological rhythms to external cues

2. ✗ disruption of biological rhythms due to jet lag

3. ✗ altering the duration of the sleep-wake cycle

4. ✗ regulating hormonal fluctuations during puberty

**Question Number : 10 Question Id : 630680390646 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

The menstrual cycle in monkeys is an example of:

Options :

1. ✖ ultradian rhythm
2. ✖ circadian rhythm
3. ✔ infradian rhythm
4. ✖ diurnal rhythm

Question Number : 11 Question Id : 630680390647 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The term 'free-running' refers to a biological rhythm that:

Options :

1. ✔ is unaffected by external cues
2. ✖ is only present in animals
3. ✖ oscillates at a fixed frequency
4. ✖ is synchronised with the lunar cycle

Question Number : 12 Question Id : 630680390648 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is a critically endangered species of Indian vulture?

Options :

1. ✔ *Gyps bengalensis*
2. ✖ *Gyps himalayensis*
3. ✖ *Gyps indicus*
4. ✖ *Neophron percnopterus*

Question Number : 13 Question Id : 630680390649 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is listed as vulnerable species of turtle found in the rivers of India?

Options :

1. ✖ *Lepidochelys olivacea*
2. ✔ *Lissemys punctata*
3. ✖ *Dermochelys coriacea*
4. ✖ *Eretmochelys imbricata*

Question Number : 14 Question Id : 630680390650 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The ecosystem which has high carbon use efficiency will also have high:

Options :

1. ✔ NPP to GPP ratio
2. ✖ GPP to NPP ratio
3. ✖ Respiration to GPP ratio
4. ✖ GPP to biomass ratio

Question Number : 15 Question Id : 630680390651 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following terrestrial ecosystems has highest GPP?

Options :

1. ✖ Tropical savannah and grasslands

2. ✖ Croplands

3. ✔ Tropical forest

4. ✖ Deserts

Question Number : 16 Question Id : 630680390652 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which insect is known to attack and damage the bark of trees, leading to tree decline?

Options :

1. ✖ Leaf miners

2. ✖ Sawflies

3. ✔ Bark beetles

4. ✖ Fire ants

Question Number : 17 Question Id : 630680390653 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is a natural method of preventing forest fires?

Options :

1. ✔ Controlled burning

2. ✖ Smokey bear campaigns

3. ✖ Fire-fighting helicopters

4. ✖ Fire-resistant tree species

Question Number : 18 Question Id : 630680390654 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the most effective way to prevent human-caused forest fires?

Options :

1. ✖ Enforcing strict penalties for arson
2. ✔ Promoting fire safety education
3. ✖ Increasing forest patrols
4. ✖ Planting fire-resistant tree species

Question Number : 19 Question Id : 630680390655 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which layer of the forest typically experiences the most intense burning during a fire?

Options :

1. ✔ Canopy
2. ✖ Understory
3. ✖ Tree roots
4. ✖ Forest floor

Question Number : 20 Question Id : 630680390656 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the main objective of afforestation?

Options :

1. ✖ Increase urban green spaces
2. ✖ Improve soil fertility
3. ✔ Restore and expand forest cover

4. ✖ Provide timber for commercial purposes

Question Number : 21 Question Id : 630680390657 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Afforestation is a long-term solution to:

Options :

1. ✖ urbanisation

2. ✔ desertification

3. ✖ overfishing

4. ✖ industrialisation

Question Number : 22 Question Id : 630680390658 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which type of trees is commonly planted in afforestation projects?

Options :

1. ✖ Exotic and invasive species

2. ✖ Endangered and rare species

3. ✔ Native and indigenous species

4. ✖ Fruit-bearing trees

Question Number : 23 Question Id : 630680390659 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the primary benefit of rotational grazing?

Options :

1. ✓ Increased forage production
2. ✗ Increased animal reproduction
3. ✗ Reduced infectious disease in animals
4. ✗ Improved soil texture

**Question Number : 24 Question Id : 630680390660 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

The primary purpose of controlled grazing is to:

Options :

1. ✗ improve livestock socialisation
2. ✓ maximise forage utilisation
3. ✗ minimise the need for feed supplement
4. ✗ control invasive plant species

**Question Number : 25 Question Id : 630680390661 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Which of the following statements is true about rotational grazing?

Options :

1. ✗ It requires large amount of land.
2. ✗ It leads to overgrazing of certain areas.
3. ✓ It can help control parasites in livestock.
4. ✗ It is not suitable for maximising forage utilisation.

Question Number : 26 Question Id : 630680390662 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The term 'forest degradation' refers to:

Options :

1. ✖ the process of natural forest recovery after disturbance
2. ✖ the reduction in forest area due to urbanisation
3. ✔ the decline in forest health and productivity over time
4. ✖ the intentional planting of fast-growing tree species

Question Number : 27 Question Id : 630680390663 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The fragmentation of forest ecosystems due to human activities can lead to:

Options :

1. ✖ increased species diversity
2. ✖ enhanced gene flow between fragmented areas
3. ✔ decreased habitat quality and loss of biodiversity
4. ✖ improved ecosystem resilience and stability

Question Number : 28 Question Id : 630680390664 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The term 'logging' refers to:

Options :

1. ✖ planting new trees in a deforested area
2. ✖ removing dead trees from a forest

3. ✓ cutting down trees for commercial purposes

4. ✗ using trees for landscaping in urban areas

**Question Number : 29 Question Id : 630680390665 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

What is the process by which forests help in carbon sequestration?

Options :

1. ✓ Photosynthesis

2. ✗ Respiration

3. ✗ Combustion

4. ✗ Decomposition

**Question Number : 30 Question Id : 630680390666 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Which type of forest tends to have the highest carbon sequestration potential?

Options :

1. ✗ Young and rapidly growing forests

2. ✓ Mature and stable forests

3. ✗ Deforested areas

4. ✗ Plantations with single-species trees

**Question Number : 31 Question Id : 630680390667 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Which global initiative aims to reduce carbon emissions by incentivising forest conservation and restoration?

Options :

1. ✖ Kyoto Protocol
2. ✖ Paris Agreement
3. ✖ Clean Development Mechanism
4. ✔ REDD+

Question Number : 32 Question Id : 630680390668 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which is the most effective long-term strategy for carbon sequestration?

Options :

1. ✖ Planting trees on a small scale
2. ✖ Implementing large-scale reforestation projects
3. ✖ Focusing on technological advancements
4. ✔ Reducing overall carbon emissions

Question Number : 33 Question Id : 630680390669 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The traditional Indian tool used for trimming branches and foliage from trees is:

Options :

1. ✖ pole pruner
2. ✖ loppers
3. ✔ billhook

4. ✖ hand saw

Question Number : 34 Question Id : 630680390670 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which Indian traditional tool is used for felling trees?

Options :

1. ✖ Crosscut saw

2. ✖ Chainsaw

3. ✔ Broadaxe

4. ✖ Handsaw

Question Number : 35 Question Id : 630680390671 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The tool used for splitting logs into smaller pieces in Indian forestry is called:

Options :

1. ✔ splitting maul

2. ✖ wood splitting wedge

3. ✖ log splitter

4. ✖ wood mallet

Question Number : 36 Question Id : 630680390672 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The term 'checking' in wood refers to:

Options :

1. ✖ the process of inspecting wood for defects
2. ✔ the splitting or cracking of wood along its grain
3. ✖ the process of removing moisture from wood
4. ✖ the staining of wood due to exposure to sunlight

**Question Number : 37 Question Id : 630680390673 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

In the process of kiln drying, what is the purpose of the conditioning phase?

Options :

1. ✖ To accelerate the drying process
2. ✔ To control the humidity within the kiln
3. ✖ To enhance the colour and grain of the wood
4. ✖ To prevent the growth of fungi and moulds

**Question Number : 38 Question Id : 630680390674 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Which type of wood typically requires longer seasoning periods due to its higher density?

Options :

1. ✖ Softwood
2. ✖ Medium-density fibreboard
3. ✖ Particleboard
4. ✔ Tropical hardwood

Question Number : 39 Question Id : 630680390675 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Why is wood seasoning important?

Options :

1. ✖ To make wood resistant to termites
2. ✖ To increase the weight of the wood
3. ✖ To enhance the colour of the wood
4. ✔ To reduce moisture content and stabilise the wood

Question Number : 40 Question Id : 630680390676 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which physical property of wood refers to its resistance to indentation?

Options :

1. ✔ Hardness
2. ✖ Elasticity
3. ✖ Durability
4. ✖ Grain pattern

Question Number : 41 Question Id : 630680390677 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The term 'grain' in wood refers to:

Options :

1. ✔ the growth rings visible in cross-sections
2. ✖ the weight of the wood

3. ✖ the density of the wood
4. ✖ the colour variations in the wood

**Question Number : 42 Question Id : 630680390678 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

The phenomenon of changing of the shape due to varying moisture content in wood is known as:

Options :

1. ✔ warping
2. ✖ fungus growth
3. ✖ shrinkage
4. ✖ expansion

**Question Number : 43 Question Id : 630680390679 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Which physical property of wood determines its resistance to being split along its grain?

Options :

1. ✖ Hardness
2. ✖ Elasticity
3. ✖ Compression strength
4. ✔ Shear strength

**Question Number : 44 Question Id : 630680390680 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

The term 'knots' in wood refers to:

Options :

1. ✔ portions of branches embedded in the wood
2. ✘ colour variations in the wood
3. ✘ the age of the tree
4. ✘ the density of the wood

Question Number : 45 Question Id : 630680390681 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which physical property of wood is responsible for its natural acoustic properties?

Options :

1. ✘ Thermal conductivity
2. ✘ Odour
3. ✔ Density
4. ✘ Colour

Question Number : 46 Question Id : 630680390682 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Select the correct option based on the given statement and conclusions.

Statement: The antivenom most commonly used for the treatment of neurotoxic snake venom are antibodies.

Conclusions:

- i) The most common treatment against snake venom is antivenom.
- ii) Antivenom acts as antigen for the production of antibodies.

Options :

1. ✖ Only conclusion (i) is correct
2. ✖ Only conclusion (ii) is correct
3. ✔ Both the conclusions (i) and (ii) are correct
4. ✖ None of the conclusions are correct

**Question Number : 47 Question Id : 630680390683 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Select the correct option based on the following assertion (A) and reason (R).

Assertion (A): Polyvalent snake antivenom is effective against more than one venomous snake species.

Reason (R): Polyvalent snake antivenom contains neutralizing antibodies raised against two or more species of snakes.

Options :

1. ✔ Both A and R are correct, and R is the correct explanation of A.
2. ✖ Both A and R are correct, but R is not the correct explanation of A.
3. ✖ A is true, but R is false.
4. ✖ Both A and R are false.

**Question Number : 48 Question Id : 630680390684 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Select the correct option based on the following assertion (A) and reason (R).

Assertion (A): In India, available polyvalent anti-snake venom acts best in snakebites from the southern and western parts of India and not as well in the northern and eastern parts of the country.

Reason (R): The venoms of the same snake species have shown significant differences in toxic profiles.

Options :

- ✖ Both A and R are correct, and R is the correct explanation of A.
- ✔ Both A and R are correct, but R is not the correct explanation of A.
- ✖ A is true, but R is false.
- ✖ Both A and R are false.

Question Number : 49 Question Id : 630680390685 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Select the correct option based on the following assertion (A) and reason (R).

Assertion (A): Lyophilised Anti-snake venom (ASV) is more useful than liquid ASV.

Reason (R): Liquid ASV requires a complete cold chain and refrigeration.

Options :

- ✔ Both A and R are correct, and R is the correct explanation of A.
- ✖ Both A and R are correct, but R is not the correct explanation of A.
- ✖ A is true, but R is false.
- ✖ Both A and R are false.

Question Number : 50 Question Id : 630680390686 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is the specific antidote for neurotoxic snake venom?

Options :

- ✖ Antivenom

2. ✖ Polyvalent antivenom

3. ✔ Anticholinesterase agents

4. ✖ Atropine

**Question Number : 51 Question Id : 630680390687 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Which NTFP is commonly used in the production of traditional Bidriware handicrafts in Andhra Pradesh?

Options :

1. ✔ Wax

2. ✖ Bamboo

3. ✖ Sabai grass

4. ✖ Bell metal

**Question Number : 52 Question Id : 630680390688 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Adda leaves collected from Bauhinia vahlii in Andhra Pradesh is used primarily for:

Options :

1. ✖ bidi making

2. ✖ medicinal purpose

3. ✔ making eating plates

4. ✖ green manuring

Question Number : 53 Question Id : 630680390689 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which NTFP is commonly used in the production of high-quality handmade paper in Andhra Pradesh?

Options :

1. ✖ Sisal fibre
2. ✖ Eucalyptus leaves
3. ✔ Sabai grass
4. ✖ Karaya gum

Question Number : 54 Question Id : 630680390690 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements is true about Girijan Cooperative Corporation?

Options :

1. ✖ It is the marketing wing of Andhra Pradesh Forest Department.
2. ✖ It is the main purchaser of Bamboo from Andhra Pradesh Forest Department.
3. ✔ It pays royalty to Andhra Pradesh Forest Department for collection and sale of non-timber forest product.
4. ✖ It has full right to collect and sale non-timber forest products in Andhra Pradesh.

Question Number : 55 Question Id : 630680390691 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which viral infection affects wild boars and other suid species in India, causing reproductive issues and high mortality rates?

Options :

- 1.

✓ Hepatitis E

2. ✗ Porcine circovirus

3. ✗ Swine influenza

4. ✗ Classical swine fever

Question Number : 56 Question Id : 630680390692 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following diseases is caused by a protozoan parasite (Plasmodium sp.) and affects several primate species in India?

Options :

1. ✗ Toxoplasmosis

2. ✓ Malaria

3. ✗ Leishmaniasis

4. ✗ Trypanosomiasis

Question Number : 57 Question Id : 630680390693 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which type of dentition is found in animals that have teeth of the same type and function throughout their mouth?

Options :

1. ✗ Heterodont dentition

2. ✓ Homodont dentition

3. ✗ Incisodont dentition

4. ✗ Caninodont dentition

Question Number : 58 Question Id : 630680390694 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is a non-infectious disease commonly observed in Indian wildlife?

Options :

1. ✖ Avian influenza

2. ✖ Tuberculosis

3. ✖ Anthrax

4. ✔ Lead poisoning

Question Number : 59 Question Id : 630680390695 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following non-infectious diseases is characterised by abnormal cell growth and the formation of tumours in wildlife?

Options :

1. ✖ Brucellosis

2. ✖ Leptospirosis

3. ✔ Cancer

4. ✖ Avian cholera

Question Number : 60 Question Id : 630680390696 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following non-infectious diseases is caused by malnutrition and vitamin deficiency in wildlife?

Options :

1. ✖ Tetanus
2. ✔ Rickets
3. ✖ Tularemia
4. ✖ Lyme disease

**Question Number : 61 Question Id : 630680390697 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Which of the following non-infectious diseases affects the musculoskeletal system of wildlife?

Options :

1. ✖ Foot-and-mouth disease
2. ✔ Osteoporosis
3. ✖ Newcastle disease
4. ✖ Brucellosis

**Question Number : 62 Question Id : 630680390698 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

What is the purpose of the keel in a bird's anatomy?

Options :

1. ✖ It helps in digestion.
2. ✔ It aids in flight by providing attachment for flight muscles.
3. ✖ It acts as a sensory organ.
4. ✖ It is responsible for egg production.

Question Number : 63 Question Id : 630680390699 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The primary function of feathers in flying birds is:

Options :

1. ✖ insulation
2. ✔ flight
3. ✖ attracting mates
4. ✖ protection

Question Number : 64 Question Id : 630680390700 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the function of the gizzard in a bird's digestive system?

Options :

1. ✔ Breaking down food mechanically
2. ✖ Absorbing nutrients from food
3. ✖ Storing food temporarily
4. ✖ Producing digestive enzymes

Question Number : 65 Question Id : 630680390701 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The unique feature that allows birds to produce sounds is the:

Options :

1. ✖ larynx
2. ✖ gizzard

3. ✓ syrinx

4. ✗ crop

Question Number : 66 Question Id : 630680390702 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Select the correct option based on the given assertion (A) and reason (R).

Assertion (A): Birds are crucial for the survival of certain plant species.

Reason (R): Birds act as primary pollinators of certain plant species.

Options :

1. ✓ Both A and R are correct, and R is the correct explanation of A.
2. ✗ Both A and R are correct, but R is not the correct explanation of A.
3. ✗ A is true, but R is false.
4. ✗ Both A and R are false.

Question Number : 67 Question Id : 630680390703 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Select the correct option based on the given assertion (A) and reason (R).

Assertion (A): Birds can act as indicators of environmental health.

Reason (R): Birds play a vital role in controlling insect populations.

Options :

1. ✗ Both A and R are correct, and R is the correct explanation of A.
2. ✓ Both A and R are correct, but R is not the correct explanation of A.
3. ✗ A is true, but R is false.

4. ✖ Both A and R are false.

Question Number : 68 Question Id : 630680390704 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the primary purpose of bird migration?

Options :

1. ✖ To escape predators

2. ✖ To find mates

3. ✖ To seek better nesting grounds

4. ✔ To find more abundant food resources

Question Number : 69 Question Id : 630680390705 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Select the correct option based on the following statement and conclusions.

Statement:

Aedes mosquito is primarily responsible for transmitting dengue fever.

Conclusion:

i) We can manage dengue fever by managing Aedes mosquito.

ii) Aedes mosquitoes are also severely affected by dengue fever.

Options :

1. ✔ Only conclusion (i) is correct

2. ✖ Only conclusion (ii) is correct

3. ✖ Both the conclusions (i) and (ii) are correct

4. ✖ None of the conclusions are correct

**Question Number : 70 Question Id : 630680390706 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Select the correct option based on the following statement and conclusions.

Statement:

Aedes mosquito is commonly associated with the transmission of yellow fever.

Conclusions:

- i) Yellow fever is a contagious disease.
- ii) Aedes mosquito is not infected by the yellow fever in the process of transmission.

Options :

- 1. ✖ Only conclusion (i) is correct
- 2. ✖ Only conclusion (ii) is correct
- 3. ✖ Both the conclusions (i) and (ii) are correct
- 4. ✔ None of the conclusions are correct

**Question Number : 71 Question Id : 630680390707 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Select the correct option based on the following statement and conclusions.

Statement:

Some insects act as vectors of communicable diseases in humans.

Conclusions:

- i) Vectors are unaffected by disease causing agents.
- ii) Insecticides can be used to control spread of communicable diseases.

Options :

1. ✖ Only conclusion (i) is correct
2. ✖ Only conclusion (ii) is correct
3. ✔ Both the conclusions (i) and (ii) are correct
4. ✖ None of the conclusions are correct

**Question Number : 72 Question Id : 630680390708 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Select the correct option based on the following statement and conclusions.

Statement:

The disease sleeping sickness is transmitted by Tsetse fly.

Conclusions:

- i) Tsetse fly is the causal agent of the disease sleeping sickness.
- ii) Sleeping sickness is a communicable disease.

Options :

1. ✖ Only conclusion (i) is correct
2. ✔ Only conclusion (ii) is correct
3. ✖ Both the conclusions (i) and (ii) are correct
4. ✖ None of the conclusions are correct

**Question Number : 73 Question Id : 630680390709 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Match the insect vector in column A with the human disease which it transmits in column B.

Column A	Column B
A) Anopheles mosquito	1) Dengue fever
B) Aedes mosquito	2) Japanese encephalitis
C) Culex mosquito	3) Malaria

Options :

- 1. ✖ A-1; B-3; C-2
- 2. ✔ A-3; B-1; C-2
- 3. ✖ A-3; B-2; C-1
- 4. ✖ A-1; B-2; C-3

Question Number : 74 Question Id : 630680390710 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

Match the insect vector in column A with the human disease which it transmits in column B.

Column A	Column B
A) Sandfly	1) Typhus
B) Flea	2) Leishmaniasis
C) Body louse	3) Bubonic plague

Options :

- 1. ✔ A-2; B-3; C-1

- 2. ✖ A-3; B-1; C-2
- 3. ✖ A-2; B-1; C-3
- 4. ✖ A-1; B-2; C-3

Question Number : 75 Question Id : 630680390711 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

Which beneficial insect is known for its ability to control mosquito populations by feeding on their larvae in stagnant water?

Options :

- 1. ✔ Dragonflies
- 2. ✖ Fleas
- 3. ✖ Ticks
- 4. ✖ Crickets

Question Number : 76 Question Id : 630680390712 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

Match the beneficial insect in column A with its beneficial impact in column B.

Column A	Column B
A) Bees	1) Aphid control
B) Earthworms	2) Pollination
C) Wasps	3) Soil fertility

Options :

1. ✖ A-1; B-2; C-3
2. ✖ A-3; B-1; C-2
3. ✖ A-2; B-1; C-3
4. ✔ A-2; B-3; C-1

Question Number : 77 Question Id : 630680390713 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Select the correct option based on the given assertion (A) and reason (R).

Assertion (A): Insects are crucial for the survival of human species on this planet.

Reason (R): All insects are beneficial for agriculture.

Options :

1. ✖ Both A and R are correct, and R is the correct explanation of A.
2. ✖ Both A and R are correct, but R is not the correct explanation of A.
3. ✔ A is true, but R is false.
4. ✖ Both A and R are false.

Question Number : 78 Question Id : 630680390714 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which disease is caused by the accumulation of persistent organic pollutants in Indian wildlife?

Options :

1. ✖ Avian Influenza
2. ✖ Elephant Endotheliotropic Herpesvirus

3. ✓ Organochlorine Poisoning

4. ✗ Rabies

Question Number : 79 Question Id : 630680390715 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Calculate the spacing of rows in which plants have to be 2.5 m apart and the plantation has 1000 plants per hectare.

Options :

1. ✗ 6 m

2. ✓ 4 m

3. ✗ 3.5 m

4. ✗ 5 m

Question Number : 80 Question Id : 630680390716 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements are correct about Benefit-Cost Ratio (BCR) analysis?

- 1.If a project has a BCR greater than 1.0, the project is expected to deliver a positive net present value to a firm and its investors.
- 2.If a project's BCR is less than 1.0, the project's costs outweigh the benefits, and it should not be considered.
- 3.The BCR is an indicator showing the relationship between the relative costs and benefits of a proposed project, expressed in monetary or qualitative terms.
- 4.BCR is a ratio used in a cost-benefit analysis to summarise the overall relationship between the relative costs and benefits of a proposed project.

Options :

1. ✗ Only 1 and 4

2. ✖ Only 1, 2 and 4

3. ✔ 1, 2, 3 and 4

4. ✖ Only 1, 2 and 3

Question Number : 81 Question Id : 630680390717 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Variance of a population is determined by which of the following?

Options :

1. ✔ $v = s^2 = \sum (x_i - \bar{x})^2 / (n - 1)$

2. ✖ $v = s^2 = \pi r^2$

3. ✖ $v = s^2 = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k}$

4. ✖ $v = s^2 = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

Question Number : 82 Question Id : 630680390718 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In a population, the pattern of the distribution of many different kinds of variables is such that the most frequently occurring measurements are in the centre and there is a progressive falling of frequencies on either side of it. Such a distribution is known as:

Options :

1. ✖ Binomial distribution

2. ✖ Poisson distribution
3. ✔ Normal distribution
4. ✖ Abnormal distribution

Question Number : 83 Question Id : 630680390719 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

For a population of size N , where A is the number of variables having a given attribute, the proportion of items in the population having this attribute is $p=A/N$ and the proportion not having this attribute is $1-p=q$. Hence $p + q = ?$

Options :

1. ✔ 1
2. ✖ 0
3. ✖ 2
4. ✖ 3

Question Number : 84 Question Id : 630680390720 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The forests of India at, at present, in 2023 are governed by:

Options :

1. ✔ National Forest Policy, 1988 and its amendment, State Forest Policies; Indian Forest Act, 1927 and its amendment, Wild Life (Protection) Act, 1972; and Biological Diversity Act, 2002
2. ✖ National Forest Policy, 2021, Indian Forest Act, 2000, Wild Life Protection Act, 2021 and Biological Diversity Act, 2022
3. ✖ National Forest Policy, 1998, Indian Forest Act, 1999, Wild Life Protection Act, 2000 and Biological Diversity Act, 2021

4. ✖ National Forest Policy, 1999 and its amendment, State Forest Policies; Indian Forest Act, 1997 and its amendments, Wild Life (Protection) Act, 1978 and Biological Diversity Act, 2022

Question Number : 85 Question Id : 630680390721 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

As per Indian Forest Act 1927, the term 'forest' is defined as:

Options :

1. ✖ an area having dense vegetation of trees and shrubs
2. ✖ an area having tree density of 0.5
3. ✔ an area occupied by the Government of India for the conservation and management of biological and ecological resources
4. ✖ an area left for conservation of natural resources

Question Number : 86 Question Id : 630680390722 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Section 2A of the Forest (Conservation) Act, 1980 states that any person, who is unhappy by an order or decision of the State Government or other authority, may file an appeal under Section 3 of the:

Options :

1. ✖ Indian Forest Act, 2010
2. ✖ National Forest Act, 2010
3. ✔ National Green Tribunal Act, 2010
4. ✖ National Biodiversity Act, 2000

Question Number : 87 Question Id : 630680390723 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

National Forest Policy of 1988 (NFP) represented a major paradigm shift from earlier policies and this shift began to take some shape through the introduction of:

Options :

1. ✖ ban on any non-forest activity or the de-reservation of forest land
2. ✖ Use of biological diversity subject to the approval of National Biodiversity Authority
3. ✔ Joint Forest Management (JFM) in India in 1990
4. ✖ Demarcation of over 500 National Parks and Sanctuaries termed as 'protected areas' (Pas)

Question Number : 88 Question Id : 630680390724 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Forests are included in the Concurrent List in the (Seventh Schedule) of the Constitution of India. This means that:

Options :

1. ✖ only the central government of India can enact the forest laws
2. ✖ forests are a state subject so state legislation can enact the laws
3. ✔ both, the Centre and States are competent to enact laws for forest conservation and use in India
4. ✖ the Centre can enact the laws and a State has to implement it

Question Number : 89 Question Id : 630680390725 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In forestry, 'inventory sampling' is defined as:

Options :

- 1.

✖ part of population which is homogeneous

2. ✔ part of population consisting of one or more sampling units, selected and examined as a representative of the whole

3. ✖ part of population taken from different corners in the area

4. ✖ part of population which dominates the area

Question Number : 90 Question Id : 630680390726 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following are two main kinds of sampling used in forest inventories?

Options :

1. ✖ Multiphase and multistage sampling

2. ✖ Stratified and un-stratified sampling

3. ✖ Regulated and un-regulated sampling

4. ✔ Random and non-random sampling

Question Number : 91 Question Id : 630680390727 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

_____ is the percentage of the area of the population to be included in a sample.

Options :

1. ✖ Sampling error

2. ✔ Sampling intensity

3. ✖ Sampling estimate

4. ✖ Sampling confidence

Question Number : 92 Question Id : 630680390728 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

If a forest population of 1000 ha is subdivided on the basis of site quality into 4 strata with area 300 ha in I quality, 350 ha in II quality, 200 ha in III quality and 150 ha in IV quality and sampling units are of 0.1 ha, then, for 5% sampling, _____, _____, _____ & _____ will be selected with the help of the table of random numbers for quality I, II, III and IV, respectively.

Options :

1. ✖ 30, 35, 20, 15
2. ✖ 60, 70, 40, 30
3. ✖ 75, 87.5, 50, 37.5
4. ✔ 150, 175, 100, 75

Question Number : 93 Question Id : 630680390729 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A forest to be inventoried might consist of numerous compartments that could be considered as primary units in design. Some compartments may be selected in the primary stage. They may be broken into plots, of which some would be selected at the secondary stage. Trees selected in these plots for volume measurement could be the third stage of sampling. This kind of sampling can be classified as:

Options :

1. ✖ simple random sampling
2. ✖ stratified random sampling
3. ✔ multistage sampling
4. ✖ multiphase sampling

Question Number : 94 Question Id : 630680390730 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In a sample plot of 0.25 hectares, while viewing from a wedge prism with BAF 2, the following results were obtained.

- i. Trees with overlapping images: 8
- ii. Trees with margins just touching: 11

Find out basal area per hectare.

Options :

- 1. ✖ 13.5 m² /ha
- 2. ✔ 27 m² /ha
- 3. ✖ 40.5 m² /ha
- 4. ✖ 19 m² /ha

Question Number : 95 Question Id : 630680390731 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements are true?

- i. The MAI, whether in a tree or in a stand, is the expression of the average yearly response in the past to the growth factors.
- ii. The CAI is the actual response of a tree or a stand in any one year to the growth factors.
- iii. The CAI is uniform throughout the life of a stand or a tree.
- iv. The MAI continues to rise towards the maximum even after the CAI has started falling.

Options :

- 1. ✖ i, ii, iii and iv
- 2. ✖ i, ii and iii
- 3. ✖ i and ii

4. ✓ i, ii and iv

Question Number : 96 Question Id : 630680390732 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A time come in the life of a tree or stand when there may be no growth at all. At that time CAI will be:

Options :

1. ✗ maximum

2. ✗ minimum

3. ✓ Zero

4. ✗ equal to MAI

Question Number : 97 Question Id : 630680390733 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Pressler calculated increment percent by simple interest rate on the means of two diameters. Which of the following formulas did he use?

Options :

1. ✗ $100\left(\sqrt{\frac{D}{d}} - 1\right)$

2. ✓ $\frac{200(D - d)}{n(D + d)}$

3. ✖ $\frac{400}{nD}$

4. ✖ $\frac{D-1}{d-1}$

Question Number : 98 Question Id : 630680390734 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0.33

Which of the following equipment can be used for measuring the height of trees?

- 1.Christen's hypsometer
- 2.Wedge prism
- 3.Abney level
- 4.Digital calliper

Options :

1. ✖ 1, 2, 3 and 4
2. ✔ 1 and 3 only
3. ✖ 1, 3 and 4 only
4. ✖ 1 and 4 only

Question Number : 99 Question Id : 630680390735 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 1 Wrong Marks : 0.33

Haga altimeter is an instrument that is used for measuring the _____ of trees.

Options :

1. ✖ basal area
2. ✔ Height

3. ✖ bark thickness

4. ✖ Diameter

**Question Number : 100 Question Id : 630680390736 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

When tree diameter is measured at _____ above ground level, measurement at this height is called diameter at breast height or DBH.

Options :

1. ✔ 1.37 m

2. ✖ 1.50 m

3. ✖ 1.39 m

4. ✖ 1.25 m

**Question Number : 101 Question Id : 630680390737 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

On a sloping ground, the DBH is measured on the uphill side; but on plain ground, the DBH of a leaning tree is measured:

Options :

1. ✖ on the opposite side of lean

2. ✖ In between lean and its opposite side

3. ✔ on the side of the lean

4. ✖ as far as it is convenient to measure

**Question Number : 102 Question Id : 630680390738 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

_____ is the technique of acquiring information about some property, object or phenomenon by recording devices – such as cameras, laser, radio, frequency, receivers, radar systems or magnetometers – without being in physical or intimate contact with the object under study.

Options :

1. ✖ Interpretation of imaginary things
2. ✔ Remote sensing or aerial photography
3. ✖ High end research on forest conservation
4. ✖ Suitability through conservation of resources

Question Number : 103 Question Id : 630680390739 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which data structure in GIS uses line segments or points represented by their explicit X and Y coordinates to identify locations?

Options :

1. ✖ Raster
2. ✔ Vector
3. ✖ Pictorial
4. ✖ Graphical

Question Number : 104 Question Id : 630680390740 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Radar remote sensing can be best categorised as _____.

Options :

1. ✖ normal remote sensing
2. ✖ high remote sensing
3. ✔ active remote sensing
4. ✖ passive remote sensing

Question Number : 105 Question Id : 630680390741 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In an FCC (False Colour Composite) of a satellite image, forests and agriculture can be interpreted by _____ and _____ tones.

Options :

1. ✖ yellow, red
2. ✖ red, cyan
3. ✖ orange, pink
4. ✔ red, pink

Question Number : 106 Question Id : 630680390742 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Two key findings of India State of Forest Report (ISFR) 2021 are given here. Select the most appropriate option to fill in the blanks.

The Total forest and tree cover is _____ of the geographical area of the country.

As compared to ISFR 2019, the current assessment shows an increase of _____ forest and tree cover put together at the national level.

Options :

1. ✓ 24.62% ; 0.28%

2. ✗ 19.62% ; 1.28%

3. ✗ 33% ; 2%

4. ✗ 21.25% ; 3%

Question Number : 107 Question Id : 630680390743 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Forest Survey of India (FSI) classifies forests as per canopy density. As per canopy density the forests of India are classified as:

- a. Very Dense Forests have a density of _____
- b. Moderately Dense Forests have a density of _____
- c. Open Forests have a density of _____
- d. Scrub Forests have a density of _____

Options :

- 1. ✗ a. 100% and above 60%;
- b. 40% to 60%;
- c. 30% to 40%;
- d. 10% to 30%

- 2. ✓ a. 70% and above;
- b. 40% and more but less than 70%;
- c. 10% and more but less than 40%;
- d. less than 10%

- 3. ✗ a. 90% to 60%;
- b. 60% to 50%;
- c. 50% to 40%;
- d. 40% to 30%

- 4. ✗ a. 80% and above;

- b.50% and above;
- c.30% and above;
- d.20% and above

**Question Number : 108 Question Id : 630680390744 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

_____, located in the northern Bay of Bengal, is the world's largest single patch of mangrove forests. It is spread over approximately 10,000 km² in Bangladesh and India.

Options :

- 1. ✖ Oceania
- 2. ✖ Thar
- 3. ✔ Sundarbans
- 4. ✖ Swamp of Bengal

**Question Number : 109 Question Id : 630680390745 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

In 2020, _____ developed a cost-effective and time-efficient methodology for the rapid assessment of forest areas affected by fire. In this methodology, fire burnt forest areas show a conspicuous signature on satellite images.

Options :

- 1. ✔ Forest Survey of India
- 2. ✖ UNO
- 3. ✖ Forest fire prone States of India
- 4. ✖ IIT Delhi

Question Number : 110 Question Id : 630680390746 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

According to WHO and World Bank, indoor air pollution is the world's most serious air pollution problem, especially for poor people. It is mainly caused by:

Options :

1. ✖ burning of fossil fuels in modern gadgets
2. ✔ burning of wood, charcoal, dung and crop residues in open fires
3. ✖ use of acids, air conditioners and detergents in our homes
4. ✖ burning of wood and coal in well ventilated houses

Question Number : 111 Question Id : 630680390747 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Legal, economic and technological tools can help us clean up air, but the best solution is:

Options :

1. ✖ resorting to use of old technology which does not produce pollutants
2. ✖ always using masks over nose and mouth
3. ✔ preventing air pollution
4. ✖ using oxygen concentrators in offices and other work places

Question Number : 112 Question Id : 630680390748 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The atmospheric concentration of CO₂ rose from 285 ppm in 1850, shortly after the Industrial Revolution, to 390 ppm in 2010. If CO₂ emissions continue to increase at their current rate, levels in the atmosphere are likely to rise to _____ ppm in 2050 and could soar to _____ ppm by 2100 as per the climate models by various climate scientists.

Options :

1. ✓ 560 ppm, 1390 ppm
2. ✗ 695 ppm, 1390 ppm
3. ✗ 780 ppm, 1390 ppm
4. ✗ 500 ppm, 1390 ppm

Question Number : 113 Question Id : 630680390749 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements are true?

- a. Oceans remove about 25-30% of CO₂ pumped into the lower atmosphere by human activities.
- b. As the oceans warm up, some of their dissolved CO₂ is released into the lower atmosphere.
- c. The rising levels of CO₂ in the oceans have increased the acidity of their surface waters.
- d. Ocean currents slowly transfer some of the CO₂ to the deep sea where it is buried for several hundred million years.

Options :

1. ✗ a, b and c
2. ✓ a, b, c and d
3. ✗ a, b and d
4. ✗ b, c and d

Question Number : 114 Question Id : 630680390750 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What are some possible effects of a warmer atmosphere?

Options :

1. ✗ Higher production of crops, more rainfall and cheaper travel

2. ✓ Increased drought and flooding, rising sea levels and shifting in the locations of croplands and wildlife
3. ✗ Increased insect attacks, flooding and comfortable environment
4. ✗ More water in our waterbodies, increased production of food and changed ecosystems

Question Number : 115 Question Id : 630680390751 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

As per IPCC Working Group III report climate scientists have given four prevention strategies that, by 2050, could reduce greenhouse gas emissions by 57-83%. These are:

Options :

1. ✗ population control, avoiding use of fossil fuels, resorting to traditional practices and scientific forestry
2. ✗ methanol as fuel, using solar energy, no methane production and more grasslands
3. ✗ using modern technology, increasing travel by air, space exploration and increasing consumption of seafood
4. ✓ improving energy efficiency, adopting a mix of low carbon renewable energy resources, stopping cutting tropical forests, planting more trees and shifting to climate-friendly agriculture

Question Number : 116 Question Id : 630680390752 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Noise pollution is unwanted or excessive sound that can have deleterious effects on human health, wildlife and environmental quality. Loudness (also called sound pressure level, or SPL) is measured in logarithmic units called 'decibels' (dB). The normal human ear can detect sounds that range between 0 dB (hearing threshold) and about 140 dB. The sounds which are above pain threshold range from ____ to ____.

Options :

- 1.

✖ 140 dB ; 160 dB

2. ✖ 105 dB ; 120 dB

3. ✖ 120 dB ; 130 dB

4. ✔ 120 dB ; 140 dB

Question Number : 117 Question Id : 630680390753 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Frequency of a sound wave is expressed in cycles per second (cps), but hertz (Hz) is more commonly used ($1 \text{ cps} = 1 \text{ Hz}$). The pitch of a human voice in normal conversation occurs at frequencies between 250 Hz and _____.

Options :

1. ✔ 2000 Hz

2. ✖ 1000 Hz

3. ✖ 3000 Hz

4. ✖ 4000 Hz

Question Number : 118 Question Id : 630680390754 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A representative Factor (RF) on a map showing $1/2500$ means:

Options :

1. ✔ distance of 2500 feet, inches or cm will be represented by 1 ft, 1 in or 1 cm, respectively

2. ✖ distance of 1 km = 2500 cm

3. ✖ distance of 1 cm on map = distance of 2500 km on ground

4. ✖ whole map is prepared on 2500 cm^2

**Question Number : 119 Question Id : 630680390755 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

The Vernier calliper is a device for measuring very accurately, fractional parts of a small division of the main scale.

Options :

1. ✓ It consists of primary scale and fixed Vernier scale.
2. ✗ It consists of only one scale which is further minutely divided.
3. ✗ It consists of main scale which has fractional parts.
4. ✗ It consists of circular scale and plain scale.

**Question Number : 120 Question Id : 630680390756 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

The width of a river measured on ground is 50 m. How wide will it be indicated on a map of scale 1 : 50000?

Options :

1. ✗ 1.5 mm
2. ✗ 1.5 cm
3. ✗ 1 cm
4. ✓ 1 mm

**Question Number : 121 Question Id : 630680390757 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

APWALTA is an Act that extends to:

Options :

1. ✖ the whole of India
2. ✖ only the States of India
3. ✔ only the State of Andhra Pradesh
4. ✖ only the Union Territories of India

**Question Number : 122 Question Id : 630680390758 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Andhra Pradesh Water, Land Trees Act, 2002 (APWALTA) came into force on:

Options :

1. ✖ 15th June 2002
2. ✔ 19th April 2002
3. ✖ 15th June 2004
4. ✖ 6th November 2002

**Question Number : 123 Question Id : 630680390759 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Plane-tabling is a method of surveying, the peculiar feature of which is that the field observations, measurements and plotting proceed simultaneously. It consists of which of the following essentials?

Options :

1. ✔ Drawing board mounted on tripod stand, alidade and sheet of drawing paper
2. ✖ Compass, drawing board and drawing sheet
3. ✖ Mason's level, table and drawing sheet
4. ✖ Prismatic compass, drawing table and drawing sheet

Question Number : 124 Question Id : 630680390760 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The instrument used for the enlargement or reduction of a given plan based on the principal of similar triangles is called _____.

Options :

1. ✓ pantograph

2. ✗ compass

3. ✗ alidade

4. ✗ clinometer

Question Number : 125 Question Id : 630680390761 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What are benchmarks in levelling operations?

Options :

1. ✗ Benchmarks are the starting and end points of surveying.

2. ✓ Benchmarks are fixed points of reference, whose elevation with respect to definite datum is known.

3. ✗ Benchmarks are the fixed points in the Dumpy Level.

4. ✗ Benchmarks are starting points shown on a map.

Question Number : 126 Question Id : 630680390762 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

How can one prevent a heatstroke?

Options :

1. ✓ Gradually letting one's body acclimatise to warm temperatures over several weeks if one has to be in hot conditions for work or sports
2. ✗ Always carrying ice packs while outside
3. ✗ Wearing wet inner clothes
4. ✗ Keeping your head and shoes wet

Question Number : 127 Question Id : 630680390763 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

When a forest is managed for a regular and continuous supply of forest products without impairing the capacity of land to support production, the key objective of this management is the achievement of an appropriate or normal distribution of size classes of trees within the area under management. This principle of management is termed as:

Options :

1. ✓ sustainable yield principle
2. ✗ principle of land regulation
3. ✗ forest regulation principle
4. ✗ forest working circle principle

Question Number : 128 Question Id : 630680390764 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Governments around the world are investing in forests to restore the essential biodiversity and ecosystem services on which societies and economies depend. In this context, which of the following are correct?

1. Businesses are under increasing pressure from governments, consumers and investors to avoid, reduce and mitigate their carbon emissions and reduce their impact on nature and biodiversity.

- 2.No business is directly vulnerable to the effects of nature loss and climate change.
- 3.Forest destruction and degradation is accelerating the climate and nature crises, with tropical tree cover loss generating almost 5 GtCO₂ e in annual emissions.
4. Business practices that contribute to nature and forest loss and climate change need to adopt new green technologies.

Options :

1. ✖ 1, 2, 3, and 4 are correct
2. ✖ 1, 2, and 3 are correct
3. ✔ 1, 3, and 4 are correct
4. ✖ 1 and 2 are correct

Question Number : 129 Question Id : 630680390765 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The Forest Conservation Rules 2022, are a set of regulations established by the Ministry of Environment, Forest and Climate Change (MoEFCC), to ensure that forest conservation is properly implemented. These include:

Options :

1. ✖ laws designed to strike a balance between the right to the environment and the right to life and livelihood
2. ✔ the rules provide for the formation of an Advisory Committee and a Project Screening Committee in each state/UT to advise or recommend on matters related to forest conservation
3. ✖ the rules to ensure that the management of forests is undertaken in a sustainable manner and that local/tribal communities are empowered and involved in their protection and development
4. ✖ the rules that recommended 33% of all land in India to be covered by forests or trees. They outlined comprehensive instructions for managing and preserving forests and wildlife.

**Question Number : 130 Question Id : 630680390766 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Forest inventory is synonymous with the term:

Options :

1. ✖ sampling of soil
2. ✖ counting branches
3. ✔ enumeration or total count
4. ✖ tabulation of data

**Question Number : 131 Question Id : 630680390767 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Which is the proper definition of increment in trees?

Options :

1. ✖ It is exclusively, the increase in thickness of bark which a tree puts on in a single year.
2. ✖ It is the mean volume of a tree or a crop at the desired age.
3. ✔ The increase in girth, diameter, basal area, height, volume, quality, price or value of trees or crops during a given period.
4. ✖ It is the increase in diameter that a tree or a crop puts from origin up to the age at which the tree or crop is cut.

**Question Number : 132 Question Id : 630680390768 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 1 Wrong Marks : 0.33

Which is the year of culmination of MAI?

Options :

- 1.

✓ When CAI begins to fall to such an extent that it is equal to the average or the entire life of the tree or stand.

2. ✗ When CAI = MAI
3. ✗ The year in which the growth factors are favourable
4. ✗ When CAI and MAI both begin to fall

Question Number : 133 Question Id : 630680390769 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which sensor, spatial resolution, scale, minimum mappable unit (ha), and mode of interpretation were used by Forest Survey of India in 2019 to assess the forest cover?

Options :

1. ✗ LANDSAT-MSS; 80 m; 1 : 1 million; 400; Visual
2. ✗ IRS-Resourcesat-2LISS-III; 23.5 m; 1 : 50,000; 1; Digital
3. ✗ LANDSAT-TM; 30 m; 1 : 250,000; 25; Visual
4. ✓ IRS-1D LISS III; 23.5 m; 1 : 50,000; 1; Digital

Question Number : 134 Question Id : 630680390770 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which is the correct method for first aid in case a person is suffering difficulty in breathing, may be due to sunstroke?

Options :

1. ✓ As you are doing rescue breathing, perform chest compressions to keep the person's blood circulating.
2. ✗ If you have cleared a person's airway but they're still not breathing, make him to stand and run.

3. ✖ If the person is breathing but is not responsive, then don't touch the person.
4. ✖ If someone is not breathing, the first thing you need to do is beat his chest.

Question Number : 135 Question Id : 630680390771 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

If you think someone is in cardiac arrest, may be due to sunstroke, the first aid should be:

Options :

1. ✖ wash your hands or put on disposable gloves if you have them. This will protect you from infectious diseases like viral hepatitis and HIV/AIDS that can be spread in a person's blood.
2. ✖ apply direct pressure to stop the flow of blood and encourage clotting (when blood naturally thickens to stop blood loss).
3. ✖ use the Heimlich manoeuvre, a series of abdominal thrusts, that can help dislodge the thing the person maybe choking on
4. ✔ start doing chest compressions on the person who needs help. Using both your hands, push down hard and fast in the centre of the person's chest. Let their chest come back up naturally between compressions. You may hear pops or snaps; this is normal.

Question Number : 136 Question Id : 630680390772 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Due to sunstroke someone is unconscious or unresponsive, the basic principle of first aid that you need to know is ABC which means the:

Options :

1. ✖ basic principles
2. ✔ airway, breathing, and circulation.
3. ✖ above, bottom and centre

4. ✖ aid, bleed and control

Question Number : 137 Question Id : 630680390773 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Forest conservation act and Forest (Conservation) Amendment Bill was passed in the year

Options :

1. ✖ 1927 and 2001

2. ✖ 1857 and 1947

3. ✔ 1980 and 2023

4. ✖ 1865 and 2000

Question Number : 138 Question Id : 630680390774 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The first forest act of India that was passed during the British rule in the year

Options :

1. ✖ 1799

2. ✔ 1865

3. ✖ 1947

4. ✖ 1946

Question Number : 139 Question Id : 630680390775 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The systematic collection of data and forest information for assessment or analysis is termed as

Options :

1. ✓ Forest Inventory
2. ✗ Timber Inventory
3. ✗ Agroforestry
4. ✗ GIS Forestry

**Question Number : 140 Question Id : 630680390776 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Which of the following sampling methods of forest inventory described as the measurement of forest condition according to a fixed pattern

Options :

1. ✗ Random sampling
2. ✓ Systematic sampling
3. ✗ Probability sampling
4. ✗ Cluster sampling

**Question Number : 141 Question Id : 630680390777 Is Question Mandatory : No Calculator :
None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is responsible for surveying conducting survey and assessment of forest resources in the country

Options :

1. ✗ Forest Research Institute (FRI)
2. ✓ Forest Survey of India (FSI)
3. ✗ Agriculture Survey of India (ASI)
4. ✗ Agriculture and Forest Survey of India (AFSI)

Question Number : 142 Question Id : 630680390778 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Calculate the present value of Net annual return in 8th year of a project discounted at 11%. During the 8th year Annual cost is Rs 20,435/-; annual return Rs59,500/- and Net annual return Rs 39,065/-

Options :

1. ✖ Rs 20,554/-

2. ✔ Rs 16,954/-

3. ✖ Rs 17,954/-

4. ✖ Rs 15,954/-

Question Number : 143 Question Id : 630680390779 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Forest policy of India 1894 has been updated twice in the years:

Options :

1. ✖ 1947 & 2001

2. ✔ 1952 & 1988

3. ✖ 1954 & 2014

4. ✖ 2000 & 2018

Question Number : 144 Question Id : 630680390780 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In response to India's fast reduction in forest cover and also to meet the constitutional requirement under Article 48-A, the parliament adopted the Forest Conservation Act on :

Options :

1. ✓ October 25, 1980
2. ✗ December 6, 2001
3. ✗ April 6, 2011
4. ✗ May 11, 2019

Question Number : 145 Question Id : 630680390781 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

The forest cover of India as per FSI report 2021 is 7,31,789 Sq. Km. As per this report what is the percentage of forest cover?

Options :

1. ✗ 33%
2. ✗ 25.71%
3. ✓ 21.71%
4. ✗ 30.71%

Question Number : 146 Question Id : 630680390782 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

The total forest area is divided into stands of similar species and age classes and a number of sample plots measured at random points within each of the species-age class divisions. Such sampling is a standard type of sampling and is known as:

Options :

1. ✗ Systematic sampling
2. ✓ Stratified random sampling
3. ✗ Unrestricted random sampling

4. ✖ Subjective sampling

Question Number : 147 Question Id : 630680390783 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

To estimate volume of stand, a number of trees of average ht. and girth are sampled. The volume of these trees is taken as an estimate of the mean volume of the trees in the stand. Such type of sampling is:

Options :

1. ✖ Recognised type of sampling viz. systematic sampling
2. ✔ Non recognised sampling
3. ✖ Recognised type of sampling viz. sequential sapling
4. ✖ Recognised type of sampling viz. stratified random sampling

Question Number : 148 Question Id : 630680390784 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The graphical representation of normal distribution of data is depicted by a curve which is:

Options :

1. ✖ J shaped curve
2. ✔ Bell shaped curve
3. ✖ Sigmoid shaped curve
4. ✖ Straight line

Question Number : 149 Question Id : 630680390785 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

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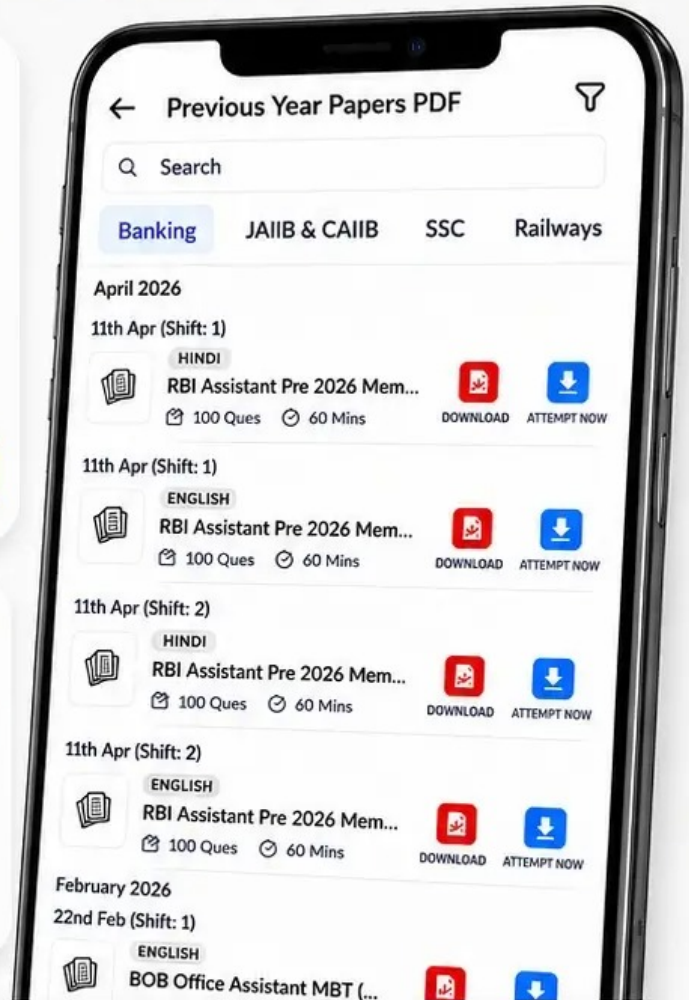
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Plane table surveying consists of:

Options :

1. ✖ Compass, chain and Table
2. ✖ Hypsometer, Chain and table
3. ✔ Drawing board, an alidade and sheet of paper
4. ✖ Prismatic compass, sextant and rods

Question Number : 150 Question Id : 630680390786 Is Question Mandatory : No Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The most accurate and important category of levelling instruments is the Telescopic levels. It needs a set of two instruments which are:

Options :

1. ✖ Compass & Chain
2. ✖ Abney Level and rods
3. ✔ The level and the levelling staff
4. ✖ Tangent Clinometer & the Chain