ICAR AIEEA PG

QUESTION PAPER



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PREVIEW QUESTION BANK

Module Name : FORESTRY AGROFOR SILVICULTURE-ENG
Exam Date : 09-Jul-2023 Batch : 10:00-12:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	1701	_____ are used as an official part in *Aconitum heterophyllum* ? 1. Flowers 2. Seeds 3. Tubers 4. Leaves A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	1702	Match **List I** with **List II** **List I** (**Book/Theory proposed/ Characteristic, etc.**) — **List II** (**Author/Thinker/ Name of Theory, etc.**) (A) *Saraca asoca* — (I) Gentianaceae (B) *Swertia chirata* — (II) Menispermaceae (C) *Terminalia chebula* — (III) Caesalpiniaceae (D) *Tinospora cordifolia* — (IV) Combretaceae Choose the ***correct*** answer from the options given below: 1. (A) - (II), (B) - (IV), (C) - (I), (D) - (III) 2. (A) - (I), (B) - (III), (C) - (IV), (D) - (II) 3. (A) - (IV), (B) - (I), (C) - (III), (D) - (II) 4. (A) - (III), (B) - (I), (C) - (IV), (D) - (II) A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

3 | 1703 | 4.0 | 1.00

_____ plants adapt to desert environment by developing long tap root system which penetrates long and deep enough to reach source of water.

1. Xerophytes
2. Phreatophytes
3. Halophytes
4. Pteridophytes

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

4 | 1704 | 4.0 | 1.00

Match **List I** with **List II**

List I (Book/Theory proposed/ Characteristic, etc.)	**List II** (Author/Thinker/Name of Theory, etc.)
(A) Eluviation	(I) Materials washed down from above are accumulated in the lower part of the profile
(B) Illuviation	(II) The separation of material usually of different grain sizes by organic activity
(C) Cheluviation	(III) Mechanical movement of clay & other fine particles down the profile
(D) Organic sorting	(IV) Downward movement of material akin to leaching due to organic chelating agents

Choose the ***correct*** answer from the options given below:

1. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
2. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
4. (A) - (III), (B) - (II), (C) - (I), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

5 | 1705 | 4.0 | 1.00

Match **List I** with **List II**

List I (Book/Theory proposed/ Characteristic, etc.)	List II (Author/Thinker/ Name of Theory, etc.)
(A) Tropical wet evergreen	(I) *Shorea robusta*
(B) Tropical moist deciduous	(II) *Pinus roxburghii*
(C) Montane sub-tropical	(III) *Pinus wallichiana*
(D) Montane temperate	(IV) Dipterocarus species

Choose the ***correct*** answer from the options given below:

1. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
2. (A) - (IIII), (B) - (II), (C) - (IV), (D) - (I)
3. (A) - (I), (B) - (III), (C) - (IV), (D) - (II)
4. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

6 | 1706 | 4.0 | 1.00

The seeds of _____ are used for treatment of Psoriasis.

1. *Cineraria maritima*
2. *Psoralea corylifolia*
3. *Glycyrrhiza glabra*
4. *Evolvulus alsinoides*

A1 : 1

A2 : 2

A3 : 3

		A4 : 4		
Objective Question				
7	1707	During felling operation, the height of stump should be kept as low as _____ from the base of the tree. 1. 20-35 cm 2. 15-30 cm 3. 25 - 40 cm 4. 30 --45 cm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
8	1708	In water transportation of timber, the arms of V shaped boom incline at an angle of _____. 1. 20^0 2. 30^0 3. 40^0 4. 50^0 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
9	1709	A stem which shows irregular involutions and swellings is _____stem. 1. Fluting 2. Buttressing 3. Forking 4. Taper A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
10	1710	Mycorrhizae helps in _____ 1. Water movement 2. Transpirations 3. Nitrogen 4. Respiration A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
11	1711	Establishment of plant in new site from germination to its reproduction is _____. 1. Competion 2. Reaction 3. Aggregation 4. Ecesis A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
12	1712	Which of the following species is not classified as very heavy woods? 1. *Dalbergia sissoo* 2. *Anogeissus latifolia* 3. *Shorea robusta* 4. *Bombax ceiba* A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
13	1713	Bark dyes are obtained from _____. 1. *Butea monosperma* 2. *Mammea longifolia* 3. *Nyctanthes arbortisstis* 4. *Rubia cordifolia* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
14	1714	The Leaves of _____ yield a strong and durable fibre known as Manila hemp 1. *Caryota urens* 2. *Musa textilis* 3. *Pandanus odoratissimus* 4. *Agave cantala* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
15	1715	In wood anatomical structure, ingrowth into pores are called as _____. 1. Tylosis 2. Ring porous woods 3. Tracheids 4. Fibres A1 : 1	4.0	1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

16 | 1716 | 4.0 | 1.00

Match **List I** with **List II**

List I (Book/Theory proposed/ Characteristic, etc.)	**List II** (Author/Thinker/ Name of Theory, etc.)
(A) *Arundinaria racemosa*	(I) Balku bans
(B) *Bambusa nutans*	(II) Maling
(C) *Bambusa Balcooa*	(III) Narangi bans
(D) *Bambusa polymorpha*	(IV) Mala bans

Choose the ***correct*** answer from the options given below:

1. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
2. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
3. (A) - (I), (B) - (III), (C) - (IV), (D) - (II)
4. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

17 | 1717 | 4.0 | 1.00

Palmorosa oil is obtained from steam distillation of _____.

1. *Cymbopogon martini var. sofia*
2. *Cymbopogon nardus var. confertiflorus*
3. *Cymbopogon martini var. motia*
4. *Cymbopogon nardus var. linnasi*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

18 | 1718 | 4.0 | 1.00

_____ is obtained from the wood of *Caesalpinia sappan.*

1. Santaline dye
2. Brazilian dye
3. Cutch dye
4. Artocarpus dye

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

19 | 1719 | 4.0 | 1.00

Match **List-I** with **List-II**

List-I (Book/Theory proposed/ Character etc.)	**List-II** (Author/Thinker/ Name of theory etc.)
(A) Extremely durable wood	(I) *Syzigium cumini*
(B) Durable wood	(II) *Sapium insigne*
(C) Slightly durable wood	(III) *Hardwickia binate*
(D) Perishable wood	(IV) *Trewia nudiflora*

Choose the ***correct*** answer from the options given below:

1. (A) - (IV), (B) - (I), (C) - (III), (D) - (II)
2. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
4. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

20	1720	Malabar kino is red colored gum obtained from _____. 1. *Albizzia lebbek* 2. *Pterocarpus marsupium* 3. *Lannea coromendelica* 4. *Cochlospermum religiosum* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

21	1721	Hard resin obtained from *Shorea robusta* is commonly called as _____. 1. Black Dammar 2. Safed Dammar 3. Lal Dhuma 4. Shellac A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

22	1722	Kusumi strain crop of lac is obtained from _____. 1. *Butea monosperma* 2. *Zizyphus mauratiana* 3. *Schleichera oleosa* 4. *Acacia nilotica* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
23	1723	_____ known as Rock bee, is the largest Indian species of honeybee and is a good honey gatherer. 1. *Apis indica* 2. *Apis dorsata* 3. *Apis florea* 4. *Bombyx textor* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
24	1724	Cloves are flower buds obtained from _____. 1. Syzygium *aromaticum* 2. *Muraya koenigii* 3. *Piper longum* 4. *Ammomum subulatum* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
25	1725	_____ not used for preparing plant based insecticides. 1. *Chrysanthemum cinerariaefolium* 2. *Azadirchta indica* 3. *Derris ferruginea* 4. *Aeschynomene aspera* A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

26 1726

Match **List-I** with **List-II**

List-I (Genetic aspects)	**List-II** (Meaning or alternate term)
(A) Genetic drift	(I) Tree's ability to survive and produce offspring
(B) Inbreeding depression	(II) Hybrid vigour
(C) Heterosis	(III) Reduced vigour
(D) Fitness	(IV) Random gene fixation

Choose the ***correct*** answer from the options given below:

1. (A) - (I), (B) - (III), (C) - (IV), (D) - (II)
2. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)

4.0 1.00

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

27 1727

Identify the mechanism that works for inbreeding _____.

1. Dioecism
2. Selfing
3. Monoecism
4. Genetic self-incompatibility

4.0 1.00

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

28 1728

4.0 1.00

		Culture of seed embryos to initiate callus or multiple shoots is called _____. 1. Anther culture 2. Embryo culture 3. Meristem culture 4. Callus culture A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
29	1729	Arrange the following basal media used in tissue culture based on its salt strength as Low < Medium < High 1. MS Medium < Gamborg's Medium < Knop's Medium 2. Gamborg's Medium < MS Medium < Knop's Medium 3. MS Medium < Knop's Medium > Gamborg's Medium 4. Knop's Medium < Gamborg's Medium < MS Medium A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
30	1730	Which one of the following terms deals with groups of populations that generally interbred with one another over a period of time? 1. Race 2. Hybrid 3. Family 4. Community A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
31	1731	The term that refers to the pollinations resulting from one ramet to another ramet of the same clone. 1. Often cross pollination 2. Cross pollination 3. Self pollination 4. Apomixis A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
32	1732	Which one of the following statements is FALSE? 1. Polyploidy is more common in coniferous than hardwoods 2. In hardwoods, related mating may result in non-formation of sound seeds 3. Relatedness is commonly seen in natural forest 4. Wood specific gravity and bole straightness are best example for additive genetic variance A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
33	1733	Situation where the superior trees are removed and the poor trees are left to reproduction which ultimately cause a shift in gene frequency in that stand and this statement is called _____. 1. Mass selection 2. Sib selection 3. Selection silviculture system 4. Dysgenic selection A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
34	1734	Stand composed of families raised using seedlots collected from various plus trees is referring to _____. 1. Seed production area 2. Seedling seed orchard 3. Provenance stand 4. Clonal seed orchard A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
35	1735	Medicinal Plants Conservation Area (MPCA) is considered as - 1. On-farm conservation 2. *Ex-situ* conservation 3. *In-situ* conservation 4. Circa situm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
36	1736	Endemic refers to _____. 1. Species restricted to certain specialized habitats and not found elsewhere. 2. Species which are seriously at risk of extinction 3. A transition area between two biological communities where these two communities integrate/meet together 4. Plants introduced to non-native geographic areas of that species	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
37	1737	The term that refers to the group of individuals of the same age class. 1. Ramet 2. Population 3. Clone 4. Cohort A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
38	1738	A graphical representation of a karyotype is called _____. 1. Phenogram 2. Fingerprint 3. Karyogram 4. Chromogram A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
39	1739		4.0	1.00

		Gradual loss of genetic diversity within a species is referring to _____. 1. Extinction 2. Genetic erosion 3. Genetic drift 4. Endemism A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
40	1740	The symbiosis in which one organism is inhibited by the other but the latter remains unaffected and is called _____. 1. Naturalism 2. Mutualism 3. Parasitism 4. Amensalism A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
41	1741		4.0	1.00

Match **List-I** with **List-II**

List-I (Scientists/ecologists)	**List-II** (Their contribution)
(A) Prof. R. Misra	(I) Ecosystem
(B) Sir Tansley	(II) Climax
(C) Robert Mac Arthur	(III) Indian Ecology
(D) Clements	(IV) Island Biogeography

Choose the ***correct*** answer from the options given below:

1. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
2. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)
3. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
4. (A) - (IV), (B) - (I), (C) - (III), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

42	1742	Which one of the following is the largest of all living reptiles? 1. Asian giant tortoise 2. Estuarine crocodile 3. Mugger crocodile 4. Gharial A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

43	1743		4.0	1.00

		Identify a proper terminology for a species which is not seen in large abundance in a natural habitat; however, it may form a significant element in hosting and feeding a variety of organisms in the habitat. 1. Flagship species 2. Umbrella species 3. Threatened species 4. Keystone species A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
44	1744	The Ramsar Convention is mainly dealing with ____. 1. Grassland habitat 2. Terrestrial evergreen habitat 3. Waterfowl habitat 4. Marine habitat A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
45	1745	Headquarters of IUCN and UNEP are located at _____ & _____ respectively. 1. Both in Glands, Switzerland 2. Glands, Switzerland & Kenya 3. Glands, Switzerland & Washington 4. Washington & Kenya A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
46	1746	International year of Biodiversity was declared by UN during the year _____. 1. 2010 2. 2000 3. 2020 4. 2015 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
47	1747	Given below are two statements: **Statement (I) :** UNEP Convention deals with protection of ozone layer. **Statement (II) :** UNCCD is working towards addressing the problem and issues of climate change. In light of the above statements, choose the ***most appropriate*** answer from the options given below. 1. Both **Statement (I)** and **Statement (II)** are correct. 2. Both **Statement (I)** and **Statement (II)** are incorrect. 3. **Statement (I)** is correct but **Statement (II)** is incorrect. 4. **Statement (I)** is incorrect but **Statement (II)** is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
48	1748		4.0	1.00

Match **List-I** with **List-II**

List-I (Animal common name)	**List-II** (Zoological name)
(A) Dhole	(I) *Caprolagus hispidus*
(B) Desert Cat	(II) *Cuon alpinus*
(C) Hispid hare	(III) *Felis lybica ornata*
(D) Snow leopard	(IV) *Uncia uncia*

Choose the ***correct*** answer from the options given below:

1. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
2. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
3. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
4. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

49	1749	In the Wildlife (Protection) Act (1972), provision for Declaration of Sanctuary has been made under _____ section of _____ Chapter. 1. 18^{th}, IV 2. 35^{th}, IV 3. 9^{th}, III 4. 11^{th}, III A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

50	1750		4.0	1.00

		Kazhuveli Wetland Bird Sanctuary is located in the state of _____. 1. Kerala 2. Maharashtra 3. Goa 4. Tamil Nadu A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
51	1751	India State of Forest Report(ISFR) is a _____ publication of Forest Survey of India (FSI) under the ministry of Environment Forest and Climate Change of India. 1. Annual 2. Monthly 3. Biennial 4. Quarterly A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
52	1752	Which of the following valuation method/approach is being used to value wild life and recreational benefits of protected areas. 1. Contingent Valuation Method 2. Market Price Valuation 3. Production Function Approach 4. Surrogate Market Approach A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

53 | 1753 | 4.0 | 1.00

Select the correct matched ones:

(a) Number of Forest Policies implemented in India - 3

(b) Earth summit at Reo de Janerio was held in - 1992

(c) National Forest Commission was set up in - 1967

(d) Second Forest Policy - 1988

Select the ***correct*** option from the given below option:

1. (a) and (c)
2. (a) and (b)
3. (b) and (c)
4. (b) and (d)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

54 | 1754 | 4.0 | 1.00

In Universal soil loss equation, "A=RKLSCP", K stands for :

1. Soil erodibility index
2. Soil erosivity index
3. Slope length factor
4. Slope gradient factor

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

55 | 1755 | 4.0 | 1.00

		The International Tropical Timber Agreement (ITTA) signed in Geneva on 18th November 1983 came into force in India in the year : 1. 1984 2. 1985 3. 1986 4. 1983 A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
56	1756	_____ article of the constitution of India states that "it is every citizen's fundamental obligation to safeguard and develop the natural environment, especially forests and wildlife." 1. 51A(g) 2. 48A 3. 52A(g) 4. 49A A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
57	1757	*Casuarina equisetifolia* fixes atmospheric nitrogen by forming symbiotic mutualistic association with: 1. *Rhizobium* 2. *Frankia* 3. *Azotobacter* 4. *Bacillus* A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

58 | 1758 | 4.0 | 1.00

Select the correct matched ones:

(a) IFGTB - Coimbatore

(b) FRI - Dehradun

(c) TFRI - Shimla

(d) HFRI - Jabalpur

Choose the ***correct*** answer from the options given below:

1. (a) and (b)
2. (a) and (c)
3. (b) and (c)
4. (a) and (d)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

59 | 1759 | 4.0 | 1.00

Select the correct matched ones:

(a) The decrease in diameter of stem of a tree from the base to upward - Taper

(b) A situation where a stem has more than one leader from the base to upward - Forking

(c) Is the principal axis of plant on which bud and shoot develops - Stem

(d) Outgrowth from the base of the tree connecting it with the root - Buttressing

Choose the ***correct*** answer from the options given below:

1. (a), (b), (c) and (d)
2. (b), (c) and (d)
3. (a), (c) and (d)
4. (a), (b) and (c)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

60 | 1760 | 4.0 | 1.00

The Drought Prone Area Programme (DPAP) was launched in the arid and semi arid region of the country in the year _____ .

1. 1973
2. 1976
3. 1987
4. 1997

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

61 | 1761 | 4.0 | 1.00

In our country out of the total fires, the number of fires caused by the natural causes (lightening, rolling stones or rubbing of dry bamboo with each other etc.) is not more than _____ per cent of total number of fires.

1. 5
2. 20
3. 15
4. 12

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

62 | 1762 | 4.0 | 1.00

Which of the following is a Sal heartwood borer?

1. *Hoplocerambyx spinicornis*
2. *Plecoptera reflexai*
3. *Eutectona machaeralis*
4. *Ectropis deodarae*

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
63	1763	The fungus causing heart rot disease in sal ,khair and teak is : 1. *Fusarium* spp. 2. *Fomes* spp. 3. *Ganoderma lucidum* 4. *Polyporus shoreae* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
64	1764	Which of the following is partial stem parasite : 1. *Cassytha filiformis* 2. *Viscum* spp. 3. *Cuscuta reflexa* 4. *Asplenium* spp. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
65	1765	Due to geographical location, the climate of India is: 1. Tropical 2. Sub -tropical 3. Temperate 4. Alpine	4.0	1.00

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
66	1766	Which of the following gas among the major green house gases contribute about 60 per cent of total global warming ? 1. CO_2 2. N_2O 3. CH_4 4. CO A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
67	1767	The succession involves the replacement of one community by another due to modification of the environment by the communities themselves. 1. Allogenic succession 2. Autogenic succession 3. Retrogressive succession 4. Secondary succession A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
68	1768		4.0	1.00

		_____ has been successfully used to control the notorious weed *Lantana camara.* 1. *Teleonemia scrupulosa* 2. *Dactylopius coccus* 3. *Cassytha filiformis* 4. *Aceria malherbae* A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
69	1769	Which of the following plant species requires forest fire to maintain an ecosystem balance in which it can thrive. 1. *Lupine perennis* 2. *Lantana camara* 3. *Cassia fistula* 4. *Shorea robusta* A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
70	1770	"Acid rain" is formed due to contributions of the following pair of gases. 1. Oxygen and nitrous oxide 2. Nitrogen oxides and sulpher dioxide 3. Carbon dioxide and sulpher dioxide 4. Methane and ozone A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question				
71	1771	Additional quantity of output, added by an additional unit of input is known as _____. 1. Marginal product 2. Average product 3. Total product 4. Net Product A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
72	1772	The passive factors of soil formations are _____ and _____ 1. Time and Relief 2. Climate and Organisms 3. Time and Organisms 4. Parent materials and Organisms A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
73	1773	A stand of Sal at the age of 50 years have volume of 2500 cft and at the age of 60 years 3500 cft and a thinning at the age of 55 years gave a volume of 300 cft, then the increment per cent (p) by Pressler's formula will be : 1. 4.13 2. 41.0 3. 6.78 4. 84.0 A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
74	1774	In our country diameter or girth at breast height is measured at _____. 1. 1.37 m 2. 1.30 m 3. 1.31 m 4. 1.27 m A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
75	1775	A silvicultural system in which the crop is to be regenerated is opened up irregularly and the resultant crop is uneven- aged. 1. The Indian Irregular Shelter Wood System 2. The Uniform System 3. The Clear Felling System 4. The Selection System A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
76	1776	Which of the following refers to the type of seeding felling, secondary felling and final felling? 1. Tree felling 2. Regeneration felling 3. Selection felling 4. Improvement felling A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
77	1777	Crop height is determined by the following formula 1. Smalian's formula 2. Quarter girth formula 3. Lorey's Formula 4. Cotta's formula A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
78	1778	An abandoned field changes into a mature forest over an extended period of time through a process called as 1. Recession 2. Dominance 3. Recycling 4. Succession A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
79	1779	The following are the usual diameter classes used in India. 1. 10cm, 20cm, 30cm 2. 10cm, 15cm, 20cm 3. 2cm, 5cm, 10cm 4. 4cm, 8cm, 10cm A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
80	1780	Stem analysis helps to know the relationship between the following selected factors 1. Height and Volume 2. Age and height 3. Biomass and age 4. Biomass and Diameter A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
81	1781	Select the correct combination of methods used to estimate solid volume of fire wood from the following. 1. Xylometric method and single pole method 2. Specific gravity method and shadow method 3. Single pole method and shadow method 4. Xylometric method and specific gravity method A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
82	1782		4.0	1.00

		Germination energy is defined by one of the following statements. Choose the correct statement from the following. 1. Germination energy is the number of seeds that have germinated out of 100 seeds. 2. Germination energy is the sum of the germinated seeds and remaining sound un germinated seeds. 3. Germination energy is the number of seeds in percentage that have germinated up to the time when the rate of germination reaches its peak 4. Germination energy is the seeds sample actually germinates irrespective of time A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
83	1783	Increment percent is very large in certain stage of the crop but decreases very rapidly thereafter in different stages of growth. Choose the correct order of the Increment Percent from highest to lowest according to the following growth stages. i. Older trees ii. Poles iii. Saplings iv. Young seedlings 1. i > ii > iii > iv 2. iii > iv > ii > i 3. iv > ii > iii > i 4. iv > iii > ii > i A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
84	1784		4.0	1.00

		Which of the following is correctly matched? 1. Clinometer - Density 2. Altimeter – Atmospheric pressure 3. Hypsometer - Height 4. Relaskop – Light intensity A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
85	1785	Select the best suitable silvicultural system followed for road side plantations from the following 1. Simple coppice systems 2. Shelter wood systems 3. Clear strip systems 4. Selection system A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
86	1786	The condition of the tree with dead upper branches projecting above the green portion of the crown is called as 1. Thinning 2. Pruning 3. Climber cutting 4. Stag headed A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
87	1787	Which of the following pest management strategy refers to thinning overstocked stands in order to manage or control pests.? 1. Biological 2. Chemical 3. Regulatory 4. Silvicultural A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
88	1788	Metzger or Girder theory explains the following concept 1. Variations in taper of tree 2. Variations in height of tree 3. Variations in volume of tree 4. Variations in basal area of a tree A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
89	1789	Which of the following sampling method is referred as double sampling? 1. Multistage sampling 2. Stratified sampling 3. List sampling 4. Multiphase sampling A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
90	1790	The "C- Grade" thinning is used to prepare the following table 1. Volume table 2. Yield table 3. Stand table 4. Tariff table A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
91	1791	What is the Error Degree of Freedom for the experiment consisting of Eight treatments and with three replications in RBO. 1. 14 2. 16 3. 12 4. 23 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
92	1792	The ratio of diameter or girth of a stem at one half its height above the breast-height to the diameter is termed as 1. Absolute form quotient 2. Normal form quotient 3. Form point ratio 4. Artificial form quotient A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
93	1793	The following factor indicates the productive capacity of a specific area of forest land for a particular tree species. 1. stand density 2. site quality or index 3. tree hardiness 4. canopy density A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
94	1794	The portion of earth surface which serve as medium for substance for forest vegetation is called as 1. Lithosphere 2. Ecosphere 3. Hydrosphere 4. Atmosphere A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
95	1795		4.0	1.00

		A systematic technique followed in plantations for the removal of alternate tree rows, diagonal rows or removal of every second, fourth tree line is commonly known as 1. Moderate thinning 2. Light thinning 3. Heavy thinning 4. Mechanical thinning A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
96	1796	The following term refers to a patch usually 20 m x 20 m in size burnt and artificially regenerated in a felled coupe to supplement natural regeneration. 1. Rab 2. Block 3. Compartment 4. Coupe A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
97	1797	The following is an operation of removal the trees that are injured / dead due to various factors such as fire, fungi, insect, wind etc. 1. Thinning 2. Pruning 3. Salvage cutting 4. Sanitation cutting A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

98	1798	Which one of the following statements is correct about shola forest? 1. Sholas are high altitudinal broad leaved forests 2. Sholas are high altitudinal coniferous forests 3. Sholas are subtropical coniferous forests 4. Sholas are high altitudinal Temperate forests A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

99	1799	If the plane of caliper is interlined by an angle ɵ the diameter becomes D secɵ and error involved is as follows. Select one of the following correct answer. 1. ± (D tanɵ)/2 2. ± (L/D) tanɵ × 100 3. ± D (secɵ-1) 4. D tanɵ A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

100	1800	Choose the incorrect matching pair from the following pairs 1. Conifer - softwood 2. Broad leaved tree - hardwood 3. Hedgerow intercropping - shelterbelts 4. Recreational forestry – Aesthetic forestry A1 : 1 A2 : 2	4.0	1.00

A3 : 3

A4 : 4

Objective Question

101 | 1801 | 4.0 | 1.00

Which one of the following tree species is mostly used for cut and carry fodder system?

1. Siris
2. Sissoo
3. Mahogany
4. Subabul

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

102 | 1802 | 4.0 | 1.00

Match **List-I** with **List-II**

List-I (Policy/Act)	**List-II** (commencement/ implementation year)
(A) Green India Mission	(I) 2007
(B) National Policy on Farmers	(II) 2014
(C) National Agroforestry Policy	(III) 2010
(D) National Agriculture Policy	(IV) 2000

Choose the ***correct*** answer from the options given below:

1. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
2. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
3. (A) - (I), (B) - (IV), (C) - (III), (D) - (II)
4. (A) - (I), (B) - (IV), (C) - (II), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question				
103	1803	In which management system, Homegardens system is considered? 1. Unmanaged 2. Extensively managed 3. Intensively managed 4. Poorly managed A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
104	1804	Taungya system was initiated for the first time in the following country_____. 1. Bangladesh 2. India 3. Sri Lanka 4. Burma A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
105	1805	ICAR New Delhi has recognized Agroforestry as one of the important cropping systems; accordingly, the AICRP (Agroforestry) was initiated in the year _____ by involving different centres. 1. 1976 2. 1983 3. 2000 4. 2014 A1 : 1 A2 : 2 A3 : 3	4.0	1.00

		A4 : 4		
Objective Question				
106	1806	*Calligonum polygonoides* is _____. 1. A tree species of grassland ecosystem of Humid area 2. A prominent deciduous forest species 3. A perennial shrub of sand-dunes ecosystem 4. A rare plant of Mangrove ecosystem A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
107	1807	Contour hedgerow intercropping system is also called as _____. 1. Hill agroforestry 2. Sloppy Agricultural Land Technology 3. Altitudinal agroforestry system 4. Hill based homegarden A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
108	1808	The person who has coined the term Social Forestry for the first time is _____ 1. JC Westoby 2. PKR Nair 3. KM Munshi 4. Dietrich Brandis A1 : 1 A2 : 2	4.0	1.00

		A3 : 3 A4 : 4		
Objective Question				
109	1809	A land that is left fallow or uncultivated for a period of _____ is considered as Culturable Wasteland. 1. Two – three years 2. More than five years 3. At least 10-15 years 4. More than 25 years A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
110	1810	In view of forest conservation and planting trees, the Van Mahotsava in India was started for the first time by _____. 1. Manohar Lal Khattar 2. JC Westoby 3. Sunderlal Bahuguna 4. KM Munshi A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
111	1811	Identify Agroforestry System wherein the use of land is directed towards satisfying basic needs and is managed mostly by the owner and his family. 1. Intermediate 2. Subsistence 3. Commercial 4. Co-subsistence A1 : 1	4.0	1.00

		A2 : 2 A3 : 3 A4 : 4		
Objective Question				
112	1812	In India, homegardens are predominantly present in _____. 1. Haryana 2. Punjab 3. Kerala 4. Rajasthan A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
113	1813	Which one of the following species is exempted from transit permits from agroforestry plantation? 1. Teak 2. Mahua 3. Bamboo 4. Rosewood A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
114	1814		4.0	1.00

Given below are two statements:

Statement (I) : Nurse crops are perennial crops grown to help early establishment of annual crops for control of weeds

Statement (II) : Cover crops are grown to protect the soil in order to manage soil erosion and soil fertility.

In light of the above statements, choose the ***most appropriate*** answer from the options given below.

1. Both **Statement (I)** and **Statement (II)** are correct.
2. Both **Statement (I)** and **Statement (II)** are incorrect.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

115	1815	The process of cycling of nutrients from soil to the plant and back to the soil is called _____.	4.0	1.00

1. Nutrient pumping
2. Nutrient absorption
3. Mineralization
4. Nutrient cycling

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

116	1816	In JFPM, benefits are shared between the _____.	4.0	1.00

1. Forest department and traders
2. Villagers and forest department
3. Villagers and the traders
4. Villagers alone

		A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
117	1817	The term which refers to _____ is "removal of tree crop from a piece of land without any intention of tree planting" 1. Reforestation 2. Regeneration 3. Deforestation 4. Afforestation A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
118	1818	Headquarters of IFGTB and CAFRI are located at _____ & _____, respectively. 1. Dehradun & Chennai 2. Dehradun & New Delhi 3. Chennai & Bhopal 4. Coimbatore & Jhansi A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
119	1819		4.0	1.00

In Karnataka, Taungya system was practiced for the first time in the plantations of _____ and _____.

1. Teak and Khair
2. Teak and Sandal
3. Rosewood and Tendu
4. Bamboo and Areca

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

120 1820 4.0 1.00

Match **List-I** with **List-II**

List-I (Book)	**List-II** (Author(s))
(A) An introduction to Agroforestry	(I) D.S. Chundawat and S.K. Gautam
(B) Agroforestry Principles and Practices	(II) P.K.R. Nair
(C) Text book of Agroforestry	(III) A.J. Raj and S.B. Lal
(D) Agroforestry: Theory and Practices	(IV) A.P. Dwivedi

Choose the ***correct*** answer from the options given below:

1. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
2. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
3. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
4. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Entrance Exams

- Agricultural Entrance Exams
- Architecture Entrance Exam
- Arts and Humanities Entrance Exams
- Commerce Entrance Examinations
- Common Entrance Examinations
- Computer Application Entrance Exams
- Design Entrance Exams
- Education Entrance Exams
- Engineering Entrance Exams
- Hotel Management Entrance Exams
- Law Entrance Exams
- MBA Entrance Exams
- Media & Journalism Entrance Exams
- Medical Entrance Exams
- Nursing Entrance Exams
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- Lateral Entry