

# National Testing Agency

<b>Question Paper Name :</b>	FORESTRY AGROFORESTRY SILVICULTURE 17th September 2021 Shift 1
<b>Subject Name :</b>	FORESTRY AGROFORESTRY SILVICULTURE
<b>Creation Date :</b>	2021-09-17 15:50:12
<b>Duration :</b>	120
<b>Total Marks :</b>	480
<b>Display Marks:</b>	Yes

## FORESTRY AGROFORESTRY SILVICULTURE

<b>Group Number :</b>	1
<b>Group Id :</b>	19088965
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	480
<b>Is this Group for Examiner? :</b>	No

## FORESTRY AGROFORESTRY SILVICULTURE -1

<b>Section Id :</b>	190889139
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	120
<b>Number of Questions to be attempted :</b>	120
<b>Section Marks :</b>	480
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	190889179
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 1908897102 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

The contribution of the Forest sector to the Indian Gross Domestic Production is

1. More than 5 per cent
2. Around 10 per cent
3. Around 7 per cent
4. Less than 2 per cent

**Options :**

19088928301. 1

19088928302. 2

19088928303. 3

19088928304. 4

**Question Number : 2 Question Id : 1908897103 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Biodiversity hotspots were originally identified by

1. Charles Darwin
2. Norman Myers
3. Alexander Vivo
4. J B Raintree

**Options :**

19088928305. 1

19088928306. 2

19088928307. 3

19088928308. 4

**Question Number : 3 Question Id : 1908897104 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The total area under agricultural production is around \_\_\_\_\_ of the total land area in India

1. 75 per cent
2. 51 per cent
3. 95 per cent
4. 25 per cent

**Options :**

19088928309. 1

19088928310. 2

19088928311. 3

19088928312. 4

**Question Number : 4 Question Id : 1908897105 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The Mahatma Gandhi National. Rural Employment Guarantee Act was passed during the year \_\_\_\_\_.

1. 1998
2. 2003
3. 2005
4. 2014

**Options :**

19088928313. 1

19088928314. 2

19088928315. 3

19088928316. 4

**Question Number : 5 Question Id : 1908897106 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The renowned farm scientist \_\_\_\_\_ has coined the term 'evergreen revolution,' "which implies productivity improvement in perpetuity without ecological and social harm.

1. Dr. Norman Borlaug
2. Dr. M.S. Randhava
3. Dr. M.K. Ayappan
4. Dr. M. S Swaminathan

**Options :**

19088928317. 1

19088928318. 2

19088928319. 3

19088928320. 4

**Question Number : 6 Question Id : 1908897107 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In the Indian Council of Agricultural Research system, AICRP stands for

1. All Indian Crop Research Programmes
2. All India Coordinated Research Project
3. All Indian Council Research Programmes
4. All Indian Conservational Research Programmes

**Options :**

19088928321. 1

19088928322. 2

19088928323. 3

19088928324. 4

**Question Number : 7 Question Id : 1908897108 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

One of the following statements is not true from the point of forests

1. Forests reduce the daily minimum temperature
2. Forests increase humidity
3. Forests check floods
4. Forests can protect society from physical, chemical and noise pollution

**Options :**

19088928325. 1

19088928326. 2

19088928327. 3

19088928328. 4

**Question Number : 8 Question Id : 1908897109 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Altitude has a tremendous impact on the distribution and growth of vegetation because this effect the tree line in Western and eastern Himalaya are at a different height. The Uppermost boundary of the tree line on Eastern Himalaya is

1. 4000 m
2. 4500 m
3. 3500 m
4. 5000 m

**Options :**

19088928329. 1

19088928330. 2

19088928331. 3

19088928332. 4

**Question Number : 9 Question Id : 1908897110 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Under Indian conditions, \_\_\_\_\_ aspects are exposed to a greater amount of insolation.

1. Southern
2. Northern
3. North Eastern
4. South Western

**Options :**

19088928333. 1

19088928334. 2

19088928335. 3

19088928336. 4

**Question Number : 10 Question Id : 1908897111 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Ideal season for the collection of propagules for mangroves for the nursery would be

1. January to March
2. September to December
3. June to August
4. April to June

**Options :**

19088928337. 1

19088928338. 2

19088928339. 3

19088928340. 4

**Question Number : 11 Question Id : 1908897112 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Identify the vegetation type which has the highest Net Primary Productivity among the following different vegetation types.

1. Temperate Forests
2. Tropical Rain Forests
3. Tropical Grassland
4. Tropical Thorn Forests

**Options :**

19088928341. 1

19088928342. 2

19088928343. 3

19088928344. 4

**Question Number : 12 Question Id : 1908897113 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Social Forestry in India was first emphasized in the report of

1. National Commission on Agriculture, 1976
2. National Forest Policy, 1988
3. National Forest Policy, 1894.
4. National Forest policy, 1952.

**Options :**

19088928345. 1

19088928346. 2

19088928347. 3

19088928348. 4

**Question Number : 13 Question Id : 1908897114 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Seeds of *Shorea robusta*, are modified to disperse by

1. Wind
2. Water
3. Birds
4. Animals

**Options :**

19088928349. 1

19088928350. 2

19088928351. 3

19088928352. 4

**Question Number : 14 Question Id : 1908897115 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Teak is naturally distributed in \_\_\_\_\_ forest.

1. Tropical wet evergreen
2. Alpine
3. Subtropical montane
4. South Indian moist deciduous

**Options :**

19088928353. 1

19088928354. 2

19088928355. 3

19088928356. 4

**Question Number : 15 Question Id : 1908897116 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



The process of establishment of a plant in the new site from germination to its reproduction is known as

1. Aggregation
2. Ecesis
3. Reaction
4. Competition

**Options :**

19088928357. 1

19088928358. 2

19088928359. 3

19088928360. 4

**Question Number : 16 Question Id : 1908897117 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In case of girth measurement the basal area of the tree is estimated using the formula

1.  $\frac{G}{\pi}$
2.  $\frac{G^2}{4\pi}$
3.  $\frac{G}{4\pi}$
4.  $\frac{G}{2\pi}$

**Options :**

19088928361. 1

19088928362. 2

19088928363. 3

19088928364. 4

**Question Number : 17 Question Id : 1908897118 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In \_\_\_\_\_, a series of sampling points are selected randomly or systematically distributed over the entire area to be inventoried.

1. Stratified Random Sampling
2. Multistage sampling
3. Sequential sampling
4. Horizontal point sampling

**Options :**

19088928365. 1

19088928366. 2

19088928367. 3

19088928368. 4

**Question Number : 18 Question Id : 1908897119 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The Japanese forester Hirata developed a method for deriving the mean stand height through vertical point sampling and the instrument used for the purpose is \_\_\_\_\_.

1. Smithies Hypsometer
2. Conimeter
3. Haga altimeter
4. Wedge prism

**Options :**

19088928369. 1

19088928370. 2

19088928371. 3

19088928372. 4

**Question Number : 19 Question Id : 1908897120 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

\_\_\_\_\_ is the tending operation carried out in the early stage of plant development (sapling) to reduce the above ground competition.

1. Thinning
2. Salvage cutting
3. Secondary felling
4. Cleaning

**Options :**

19088928373. 1

19088928374. 2

19088928375. 3

19088928376. 4

**Question Number : 20 Question Id : 1908897121 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In \_\_\_\_\_, height growth on age shows a typically sigmoid pattern with slow early and late stages and fast growth between.

1. Unevenaged plantation
2. Even-aged plantations,
3. Natural Forests
4. Normal forest

**Options :**

19088928377. 1

19088928378. 2

19088928379. 3

19088928380. 4

**Question Number : 21 Question Id : 1908897122 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An observer standing 30 m away from the tree on a level surface and measures the height of the tree with the help of Ravialtimeter and records 15.60 to the top of the tree ( top reading) and 1.70 to the bottom of the tree ( bottom reading) on 30 m scale. The total height of the trees is \_\_\_\_\_.

1. 20.20 m
2. 17.30 m
3. 15.60 m
4. 1.40 m

**Options :**

19088928381. 1

19088928382. 2

19088928383. 3

19088928384. 4

**Question Number : 22 Question Id : 1908897123 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In the Horizontal point sampling method, a total of 16 partially tallied trees and 10 fully tallied trees were recorded in a sweep of  $360^\circ$  with the help of a Wedge prism. If the calculated basal area per hectare is  $72 \text{ m}^2$ . The Basal Area Factor of the wedge prism is \_\_\_\_\_.

1. 4
2. 6
3. 5
4. 3

**Options :**

19088928385. 1

19088928386. 2

19088928387. 3

19088928388. 4

**Question Number : 23 Question Id : 1908897124 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The volume of the log estimated using the Quarter girth formula is \_\_\_\_\_.

1. 78.50 % of the actual volume
2. 21.50 % of the actual volume
3. 78.50 % more than the actual volume
4. 21.50 % more than the actual volume

**Options :**

19088928389. 1

19088928390. 2

19088928391. 3

19088928392. 4

**Question Number : 24 Question Id : 1908897125 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The volume of the log having 3 m length with 90 cm and 75 cm thick and thin end diameter respectively is \_\_\_\_\_

1.  $0.128 \text{ m}^3$
2.  $1.260 \text{ m}^3$
3.  $2.10 \text{ m}^3$
4.  $1.100 \text{ m}^3$

**Options :**

19088928393. 1

19088928394. 2

19088928395. 3

19088928396. 4

**Question Number : 25 Question Id : 1908897126 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The quantity of net squared timber that can be obtained from a circular log will be around \_\_\_\_\_.

1. 36.4 % of the volume of the log
2. 78.50 % of the volume of the log
3. 21.50 % of the volume of the log
4. 63.6 % of the volume of the log

**Options :**

19088928397. 1

19088928398. 2

19088928399. 3

19088928400. 4

**Question Number : 26 Question Id : 1908897127 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The volume table approach can be truly applied only to \_\_\_\_\_.

1. Group of trees
2. Individual trees
3. Felled trees
4. Stacked logs

**Options :**

19088928401. 1

19088928402. 2

19088928403. 3

19088928404. 4

**Question Number : 27 Question Id : 1908897128 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The age of a felled tree can be determined only if the stump shows distinct

1. False rings
2. Closed formed rings
3. Annual rings
4. Absence of growth ring

**Options :**

19088928405. 1

19088928406. 2

19088928407. 3

19088928408. 4

**Question Number : 28 Question Id : 1908897129 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

20 m<sup>3</sup> of wood in CGS ystem is equal to \_\_\_\_\_.

1. 540.50 cft
2. 706.30 cft
3. 600.60 cft
4. 840.20 cft

**Options :**

19088928409. 1

19088928410. 2

19088928411. 3

19088928412. 4

**Question Number : 29 Question Id : 1908897130 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Diameter measurements should be recorded in cm and to the nearest multiple of \_\_\_\_\_ in CGS system

1. 2.0 cm
2. 2.0 mm
3. 5.0 mm
4. 10.0 mm

**Options :**

19088928413. 1

19088928414. 2

19088928415. 3

19088928416. 4

**Question Number : 30 Question Id : 1908897131 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Generally, the relationship between the diameter (d) and girth (G) of tree is given the formula \_\_\_\_\_.

1.  $d = 3.182 G$
2.  $d = 0.3182 G$
3.  $G = 0.3182 d$
4.  $G = 3.182 d$

**Options :**

19088928417. 1

19088928418. 2

19088928419. 3

19088928420. 4

**Question Number : 31 Question Id : 1908897132 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



A windbreak 20 m tall will give some protection for \_\_\_\_\_ on the upwind side and on the downwind side respectively

1. 100 m and 500 m
2. 25 m and 100 m
3. 25 m and 275 m
4. 100 m and 375 m

**Options :**

19088928421. 1

19088928422. 2

19088928423. 3

19088928424. 4

**Question Number : 32 Question Id : 1908897133 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Around \_\_\_\_\_ number of plants that are required to plant 9.00 ha with an espacement of 3 m X 3 m in Quincunx planting system

1. 7778
2. 14446
3. 20000
4. 15556

**Options :**

19088928425. 1

19088928426. 2

19088928427. 3

19088928428. 4

**Question Number : 33 Question Id : 1908897134 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Homegardens in Tropical humid regions are the examples for \_\_\_\_\_

1. Agrisilviculture System
2. Agrihorticulture system
3. Agrisilvipastoral system
4. Silvipastoral system

**Options :**

19088928429. 1

19088928430. 2

19088928431. 3

19088928432. 4

**Question Number : 34 Question Id : 1908897135 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Growing coffee with shade trees is one of the examples for \_\_\_\_\_ system.

1. Coincident
2. Concomitant
3. Interpolated
4. Separate

**Options :**

19088928433. 1

19088928434. 2

19088928435. 3

19088928436. 4

**Question Number : 35 Question Id : 1908897136 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Growing of rows of Silver oak (*Grevillea robusta*) and cultivation of annual herbaceous crop in between the rows of trees for initial years is \_\_\_\_\_.

1. Alley cropping
2. Hedgerow intercropping
3. Boundary planting
4. Taungya

**Options :**

19088928437. 1

19088928438. 2

19088928439. 3

19088928440. 4

**Question Number : 36 Question Id : 1908897137 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The species which is not suitable for single-row windbreak

1. *Vateria indica*
2. *Eucalyptus tereticornis*
3. *Dendrocalamus strictus*
4. *Casuarina equisetifolia*

**Options :**

19088928441. 1

19088928442. 2

19088928443. 3

19088928444. 4

**Question Number : 37 Question Id : 1908897138 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The traditional Silvipastoral system of *Acacia leucophlea* with *Cenchrus ciliaris* is commonly seen in the

1. Kangeyam tract of Tamil Nadu
2. Deccan plateau of Andhra Pradesh
3. Bundelkhand region of Uttarpradesh
4. Konkan region of Maharashtra

**Options :**

19088928445. 1

19088928446. 2

19088928447. 3

19088928448. 4

**Question Number : 38 Question Id : 1908897139 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The species which is highly suitable for Lateritic soil is

1. *Tamarinus indica*
2. *Acacia auriculiformis*
3. *Terminalia arjuna*
4. *Tectona grandis*

**Options :**

19088928449. 1

19088928450. 2

19088928451. 3

19088928452. 4

**Question Number : 39 Question Id : 1908897140 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

\_\_\_\_\_ is the pruning of branch at a point other than at its junction with the stem and is mainly aimed to retard the development of branch.

1. Tip Pruning
2. Selective pruning
3. Fixed lift pruning
4. Variable lift pruning

**Options :**

19088928453. 1

19088928454. 2

19088928455. 3

19088928456. 4

**Question Number : 40 Question Id : 1908897141 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The interaction between agroforestry components is said to be amensalistic if\_\_\_\_\_.

1. Both components are benefitted
2. Both components are affected
3. One component is benefitted and negligible effect on the other one.
4. One component is affected and negligible effect on the other one.

**Options :**

19088928457. 1

19088928458. 2

19088928459. 3

19088928460. 4

**Question Number : 41 Question Id : 1908897142 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
A. Separate	I. Taungya
B. Mixed sparse	II. Pasture with scattered trees
C. Interpolated	III. Shifting cultivation
D. Concomitant	IV. Homegardens

Choose the correct answer from the options given below:

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

**Options :**

19088928461. 1  
19088928462. 2  
19088928463. 3  
19088928464. 4

**Question Number : 42 Question Id : 1908897143 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

According to FAO and UNEP (2020) States of the World's Forest the deforestation and forest degradation continue to take place at alarming rates, between 2015 and 2020, the rate of deforestation was estimated at \_\_\_\_\_ per year.

1. 10 million hectares
2. 20 million hectares
3. 30 million hectares
4. 1.0 million hectares

**Options :**

19088928465. 1  
19088928466. 2  
19088928467. 3  
19088928468. 4

**Question Number : 43 Question Id : 1908897144 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

According to Forest Resources Assessment 2020 (FAO and UNEP, 2020), the total forest area in the world is \_\_\_\_\_.

1. 4.06 billion hectares
2. 400.06 million hectares
3. 14.06 billion hectares
4. 240.6 million hectares

**Options :**

19088928469. 1

19088928470. 2

19088928471. 3

19088928472. 4

**Question Number : 44 Question Id : 1908897145 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Chemical used in seed pre-treatment to overcome the drought is

1. Fungicide
2. Salt
3. Hydrogen peroxide
4. Gibberellic acid

**Options :**

19088928473. 1

19088928474. 2

19088928475. 3

19088928476. 4

**Question Number : 45 Question Id : 1908897146 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**



**Correct Marks : 4 Wrong Marks : 1**

The quantity of atmospheric nitrogen fixed by *Casuarina equisetifolia* is \_\_\_\_\_

1. 300-350 kg n ha<sup>-1</sup> yr<sup>-1</sup>
2. 60-110 kg n ha<sup>-1</sup> yr<sup>-1</sup>
3. 200-250 kg n ha<sup>-1</sup> yr<sup>-1</sup>
4. 600-650 kg N ha<sup>-1</sup> yr<sup>-1</sup>

**Options :**

19088928477. 1

19088928478. 2

19088928479. 3

19088928480. 4

**Question Number : 46 Question Id : 1908897147 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

According to FAO and UNEP (2020) States of the World's Forest, the forest cover constitutes around \_\_\_\_\_ of the total global land area.

1. 25.80 per cent
2. 40.8 per cent
3. 20.8 per cent
4. 30.80 per cent

**Options :**

19088928481. 1

19088928482. 2

19088928483. 3

19088928484. 4

**Question Number : 47 Question Id : 1908897148 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Which of the following is based on sexual propagation?

1. Cuttings
2. Layering
3. Tissue culture
4. Stumps

**Options :**

19088928485. 1

19088928486. 2

19088928487. 3

19088928488. 4

**Question Number : 48 Question Id : 1908897149 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Adaptability to wider environmental factors and extreme stress is called as

1. Plasticity
2. Tolerance
3. Survival capacity
4. Adjustability

**Options :**

19088928489. 1

19088928490. 2

19088928491. 3

19088928492. 4

**Question Number : 49 Question Id : 1908897150 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Soil preparation method suitable for the sloping ground is

1. Ordinary pit
2. Saucer pit
3. Mound
4. Ridge ditch

**Options :**

19088928493. 1

19088928494. 2

19088928495. 3

19088928496. 4

**Question Number : 50 Question Id : 1908897151 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The upper limit of tree growth is

1. Treeline
2. Base line
3. Taiga
4. Savannaha

**Options :**

19088928497. 1

19088928498. 2

19088928499. 3

19088928500. 4

**Question Number : 51 Question Id : 1908897152 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Living fossil tree is

1. *Tectona grandis*
2. *Gingko biloba*
3. *Gmelina arborea*
4. *Casuarina equisetifolia*

**Options :**

19088928501. 1

19088928502. 2

19088928503. 3

19088928504. 4

**Question Number : 52 Question Id : 1908897153 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Excellent host for sandal wood tree is

1. *Tectona grandis*
2. *Melia dubia*
3. *Sweitenia mahagony*
4. *Casuarina equisetifolia*

**Options :**

19088928505. 1

19088928506. 2

19088928507. 3

19088928508. 4

**Question Number : 53 Question Id : 1908897154 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Generally \_\_\_\_\_ is recommended for breaking down the endogenous dormancy

1. Cold stratification
2. Hot water treatment
3. ALternate wetting and drying
4. Sandpaper piling

**Options :**

19088928509. 1

19088928510. 2

19088928511. 3

19088928512. 4

**Question Number : 54 Question Id : 1908897155 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

\_\_\_\_\_ systems are the most artificial of all silvicultural systems

1. Shelterwood
2. Selection
3. Coppice
4. Clear felling

**Options :**

19088928513. 1

19088928514. 2

19088928515. 3

19088928516. 4

**Question Number : 55 Question Id : 1908897156 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Tropical wet evergreen forests are generally found between

1.  $10^{\circ}$  S and  $10^{\circ}$  N Latitude
2.  $23.5^{\circ}$  S and  $23.5^{\circ}$  N Latitude
3.  $10.8^{\circ}$  E and  $10.8^{\circ}$  W Longitude
4.  $30^{\circ}$  E and  $30^{\circ}$  W Longitude

**Options :**

19088928517. 1

19088928518. 2

19088928519. 3

19088928520. 4

**Question Number : 56 Question Id : 1908897157 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hardening off helps plants adapt to \_\_\_\_\_ to a certain extent

1. Nursery conditions
2. Extreme climatic conditions
3. Greenhouse conditions
4. Fertilizer overdose

**Options :**

19088928521. 1

19088928522. 2

19088928523. 3

19088928524. 4

**Question Number : 57 Question Id : 1908897158 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Sal is an important trees of \_\_\_\_\_ Forest types

1. Tropical wet evergreen
2. Tropical moist deciduous
3. Alpine
4. Temperate

**Options :**

19088928525. 1

19088928526. 2

19088928527. 3

19088928528. 4

**Question Number : 58 Question Id : 1908897159 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Coniferous trees can be seen in \_\_\_\_\_ forest type.

1. Tropical wet evergreen
2. Tropical moist deciduous
3. Tropical dry deciduous
4. Subtropical hill forest

**Options :**

19088928529. 1

19088928530. 2

19088928531. 3

19088928532. 4

**Question Number : 59 Question Id : 1908897160 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In \_\_\_\_\_ system regeneration operations are carried out throughout the life of the crop

1. Selection
2. Clear felling
3. Coppice
4. Shelterwood

**Options :**

19088928533. 1

19088928534. 2

19088928535. 3

19088928536. 4

**Question Number : 60 Question Id : 1908897161 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Forest Conservation Act was enacted in the year**

1. 1980
2. 1985
3. 1927
4. 1988

**Options :**

19088928537. 1

19088928538. 2

19088928539. 3

19088928540. 4

**Question Number : 61 Question Id : 1908897162 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Select the correct matched ones:**

- A.Number of Forest policy 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

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

1. A and B only
2. B and C only
3. C and D only
4. A and D only

**Options :**

19088928541. 1

19088928542. 2

19088928543. 3

19088928544. 4

**Question Number : 62 Question Id : 1908897163 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**According to Forest Policy, 1988 how much area should be under the forest:**

1. 33 %
2. 66%
3. 13%
4. 23%

**Options :**

19088928545. 1

19088928546. 2

19088928547. 3

19088928548. 4



**Question Number : 63 Question Id : 1908897164 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The two articles inserted by the Indian Parliament in the Constitution of India in the year 1976, directs to protect and improve the environment, safeguard forests and wildlife of the country are :

1. 48 A and 51 A
2. 49 A and 50A
3. 47 and 50
4. 49 and 50

**Options :**

19088928549. 1

19088928550. 2

19088928551. 3

19088928552. 4

**Question Number : 64 Question Id : 1908897165 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

First Agroforestry Policy came in the year ?

1. 2014
2. 2010
3. 1988
4. 2016

**Options :**

19088928553. 1

19088928554. 2

19088928555. 3

19088928556. 4

**Question Number : 65 Question Id : 1908897166 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The Draught Prone Area Programme (DPAP) was launched in the arid and semi arid region of the country in \_\_\_\_ .

1. 1973
2. 1967
3. 1975
4. 1978

**Options :**

19088928557. 1

19088928558. 2

19088928559. 3

19088928560. 4

**Question Number : 66 Question Id : 1908897167 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

National Watershed Development Programme for Rain fed Areas (NWDPA) was launched in \_\_\_\_ .

1. 1990-91
2. 1978-79
3. 1985-86
4. 1988-89

**Options :**

19088928561. 1

19088928562. 2

19088928563. 3

19088928564. 4

**Question Number : 67 Question Id : 1908897168 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Which of the following is a Sal heartwood borer?**

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

**Options :**

19088928565. 1

19088928566. 2

19088928567. 3

19088928568. 4

**Question Number : 68 Question Id : 1908897169 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Which of the following is a Deodar defoliator?**

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

**Options :**

19088928569. 1

19088928570. 2

19088928571. 3

19088928572. 4

**Question Number : 69 Question Id : 1908897170 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The fungus causing damping off disease in most of conifer and hardwood forest tree species :

1. *Fusarium* spp.
2. *Fomes* spp.
3. *Ganoderma lucidum*
4. *Polyporus shoreae*

**Options :**

19088928573. 1

19088928574. 2

19088928575. 3

19088928576. 4

**Question Number : 70 Question Id : 1908897171 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Among the major green house gases \_\_\_\_\_ contributes about 60 per cent of total warming .

1. CO<sub>2</sub>
2. CH<sub>4</sub>
3. N<sub>2</sub>O
4. CFC's

**Options :**

19088928577. 1

19088928578. 2

19088928579. 3

19088928580. 4

**Question Number : 71 Question Id : 1908897172 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is a prime health risks associated with greater UV radiation through the atmosphere due to depletion of stratospheric ozone?

1. Increased skin cancer
2. Damage to digestive system
3. Increased liver cancer
4. Neurological disorder

**Options :**

19088928581. 1

19088928582. 2

19088928583. 3

19088928584. 4

**Question Number : 72 Question Id : 1908897173 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Select the correct matched ones:**

- |  |        |
|--|--------|
| A. Intergovernmental Panel on Climate change(IPCC)   | -1988  |
| B. First World Climate Conference in Geneva  | - 1979 |
| C. Kyoto Protocol( CoP-3, UNFCCC)  | -1979  |
| D. First meeting of Asia –Pacific Partnership on<br>Clean Development and Climate held in Sydney | -2010  |

Choose the *correct* answer from the options given below

1. A and B only
2. A and D only
3. A and C only
4. B and D only

**Options :**

19088928585. 1

19088928586. 2

19088928587. 3

19088928588. 4

**Question Number : 73 Question Id : 1908897174 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A carbon credit is a tradable permit or certificate that provides the holder of the credit the right to emit -----tonne of carbon dioxide

1. 1.0
2. 0.20
3. 0.10
4. 0.30

**Options :**

19088928589. 1

19088928590. 2

19088928591. 3

19088928592. 4

**Question Number : 74 Question Id : 1908897175 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Which of the following statements about the National Green Tribunal is/are correct?**

A)It has been established under National Green Tribunal Act 2010, for effective and expeditious disposal of cases relating to environmental protection and conservation of forests and other natural resources.

B)The Tribunal shall not be bound by the procedure laid down under the Code of Civil Procedure, 1908

C)It is guided by the principle of Natural Justice

1. A, B and C
2. A and C
3. B and C
4. Only A

**Options :**

19088928593. 1

19088928594. 2

19088928595. 3

19088928596. 4

**Question Number : 75 Question Id : 1908897176 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**A project is recommended for implementation when its**

1. Net Present Value (NPV) > 0
2. Net Present Value (NPV) < 0
3. Both 1 and 2
4. Neither 1 nor 2

**Options :**

19088928597. 1

19088928598. 2

19088928599. 3

19088928600. 4

**Question Number : 76 Question Id : 1908897177 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Internal Rate of Returns for a project is the rate of interest that**

1. Considers only internal costs
2. Considers profits over labour costs only
3. Equates the stream of discounted benefits and costs
4. Denote the actual value of the project

**Options :**

19088928601. 1

19088928602. 2

19088928603. 3



19088928604. 4

**Question Number : 77 Question Id : 1908897178 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Under the Joint Forest Management (JFM), each area has a Forest Protection Committee (FPC) consisting of:**

- A. Range Officer
- B. Forest guard
- C. Local people
- D. Representatives of voluntary organization

Choose the *correct* answer from the options given below

1. A, B, C and D
2. A and B only
3. B and C only
4. A and D only

**Options :**

19088928605. 1

19088928606. 2

19088928607. 3

19088928608. 4

**Question Number : 78 Question Id : 1908897179 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Land equivalent ratio is \_\_\_\_\_

1. The cropping pattern adopted on a farm
2. The sequential cultivation of crops in a farm
3. The sum of the fractions of the intercrops, relative to their sole crop yield with different management level
4. The ratio of land area needed under sole cropping to area of intercropping at the same management level to obtain an equal amount of yield.

**Options :**

19088928609. 1

19088928610. 2

19088928611. 3

19088928612. 4

**Question Number : 79 Question Id : 1908897180 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Forest management involve tasks :**

1. Control the composition and structure of growing stock
2. Harvesting and marketing of forest produce
3. Administration of forest property and personnel
4. All of the above dealt under Forest management

**Options :**

19088928613. 1

19088928614. 2

19088928615. 3

19088928616. 4

**Question Number : 80 Question Id : 1908897181 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Von Mantel's formula is best applicable to:**

1. Regular even aged normal forest
2. Regular uneven aged normal forest
3. Irregular even aged forest
4. Irregular uneven aged forest

**Options :**

19088928617. 1

19088928618. 2

19088928619. 3

19088928620. 4

**Question Number : 81 Question Id : 1908897182 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**The unit of yield regulation in both regular and irregular forest is:**

1. Felling series
2. Annual coupe
3. Compartment
4. Beat

**Options :**

19088928621. 1

19088928622. 2

19088928623. 3

19088928624. 4

**Question Number : 82 Question Id : 1908897183 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**The total volume of stands in a forest with normal distribution of age classes and a normal increment is known as:**

1. Volume stock
2. Normal growing stock
3. Age class stock
4. Periodic Stock

**Options :**

19088928625. 1

19088928626. 2

19088928627. 3

19088928628. 4

**Question Number : 83 Question Id : 1908897184 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

**Total forest and tree cover of India ( per cent of total geographical area) as per 2019, India State of Forest Report**

1. 24.84
2. 19.84
3. 29.84
4. 30.84

**Options :**

19088928629. 1

19088928630. 2

19088928631. 3

19088928632. 4

**Question Number : 84 Question Id : 1908897185 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

From a management perspective, forest type and stand age are the two most important variables describing an:

1. Even-aged stand
2. Uneven aged Stand
3. Even- aged and uneven aged stand
4. Mixed aged stand

**Options :**

19088928633. 1

19088928634. 2

19088928635. 3

19088928636. 4

**Question Number : 85 Question Id : 1908897186 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What types of variation accounts for nearly 90% of the genetic variation found within a tree species growing in natural stands?

1. Provenance & Site
2. Site and Stand
3. Stand and Tree to Tree
4. Tree to tree and Provenance

**Options :**

19088928637. 1

19088928638. 2

19088928639. 3

19088928640. 4

**Question Number : 86 Question Id : 1908897187 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the pollination type when cross was made between two rametes of a single clone?

1. Self
2. Cross
3. Often cross
4. Both 2 & 3

**Options :**

19088928641. 1

19088928642. 2

19088928643. 3

19088928644. 4

**Question Number : 87 Question Id : 1908897188 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Identify a force that reduces the variation within a population by losing alleles.

1. Gene migration
2. Natural selection
3. Genetic drift
4. Both 1 & 2

**Options :**

19088928645. 1

19088928646. 2

19088928647. 3

19088928648. 4

**Question Number : 88 Question Id : 1908897189 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following term deals with original geographic area from which seedlots were obtained?

1. Seed source
2. Provenance
3. Geographic race
4. Both 2 & 3

**Options :**

19088928649. 1

19088928650. 2

19088928651. 3

19088928652. 4

**Question Number : 89 Question Id : 1908897190 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What characteristics are true for cline?

1. Continuous variation driven by single trait; however, trait may or may not be genetically controlled
2. Many traits which are genetically controlled and population pattern is distinct
3. Many characteristics following continuous variation and genetically controlled
4. Single character with distinct population pattern and controlled by gene

**Options :**

19088928653. 1

19088928654. 2

19088928655. 3

19088928656. 4

**Question Number : 90 Question Id : 1908897191 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

How to assess the phenotypic variation in forest trees?

1.  $\sigma_P^2 = \sigma_G^2 + \sigma_E^2$
2.  $\sigma_P^2 = \sigma_A^2 + \sigma_{NA}^2 + \sigma_E^2$
3.  $\sigma_P^2 = \sigma_A^2 + \sigma_{NA}^2$
4. Both 1 & 2

**Options :**

19088928657. 1

19088928658. 2

19088928659. 3

19088928660. 4

**Question Number : 91 Question Id : 1908897192 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Identify selection method which involves many cycle of selection and breeding towards the improvement of multi traits.

1. Family selection
2. Independent culling
3. Recurrent selection
4. Both 1 and 3

**Options :**

19088928661. 1

19088928662. 2

19088928663. 3

19088928664. 4

**Question Number : 92 Question Id : 1908897193 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Elite tree is \_\_\_\_\_.

1. Phenotypically superior
2. Genotypically superior
3. Phenotypically and genotypically superior
4. A candidate tree which is graded for its overall morphology by comparing check trees

**Options :**

19088928665. 1

19088928666. 2

19088928667. 3

19088928668. 4

**Question Number : 93 Question Id : 1908897194 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What orchard is aiming for the function of the conservation of genetic materials for use in the breeding program and for advanced generation?

1. Breeding orchard
2. Research seed orchard
3. Clonal seed orchard
4. Both 1 and 2

**Options :**

19088928669. 1

19088928670. 2

19088928671. 3

19088928672. 4

**Question Number : 94 Question Id : 1908897195 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Reciprocal crossing is possible in the following mating design in which both the parents are known to the breeders.

1. Hierarchical design
2. Tester design
3. Full diallel design
4. Poly cross design

**Options :**

19088928673. 1

19088928674. 2

19088928675. 3

19088928676. 4

**Question Number : 95 Question Id : 1908897196 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following is not an objective of genetic testing?

1. Estimation of heritability
2. Estimation of genetic gain
3. Estimation of graft incompatibility
4. Conducting genetic testing

**Options :**

19088928677. 1

19088928678. 2

19088928679. 3

19088928680. 4

**Question Number : 96 Question Id : 1908897197 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following is lead to abnormality and is not good for clonal forestry programme?

1. Orthotropic response
2. Plagiotropic response
3. Cyclophysis response
4. Both 2 & 3

**Options :**

19088928681. 1

19088928682. 2

19088928683. 3

19088928684. 4

**Question Number : 97 Question Id : 1908897198 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

It is known that two species competing for the same resource cannot coexist indefinitely; therefore, one of them has to either adapt or become extinct.

1. Gause hypothesis
2. Hora's hypothesis
3. Competitive exclusion principle
4. Both 1 & 3

**Options :**

19088928685. 1

19088928686. 2

19088928687. 3

19088928688. 4

**Question Number : 98 Question Id : 1908897199 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following is a kind of indirect census?

1. Spatial count
2. Dung count
3. Transect count
4. Temporal count

**Options :**

19088928689. 1

19088928690. 2

19088928691. 3

19088928692. 4

**Question Number : 99 Question Id : 1908897200 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The scientific name of Barasingha is \_\_\_\_\_

1. *Cervus duvaucell*
2. *Cervus unicolor*
3. *Tetracerus quadricornis*
4. *Antilope cervicapra*

**Options :**

19088928693. 1

19088928694. 2

19088928695. 3

19088928696. 4

**Question Number : 100 Question Id : 1908897201 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Herpetology does not study about \_\_\_\_\_.

1. Turtles
2. Frogs
3. Avis
4. Snakes

**Options :**

19088928697. 1

19088928698. 2

19088928699. 3

19088928700. 4

**Question Number : 101 Question Id : 1908897202 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Term deals with responsible travel into the forest or undisturbed natural areas to admire the wild animals in their original habitat.

1. Safari
2. Landscaping
3. Trail
4. Tracking

**Options :**

19088928701. 1

19088928702. 2

19088928703. 3

19088928704. 4

**Question Number : 102 Question Id : 1908897203 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

*Circa Sitem* is also referred as \_\_\_\_\_.

1. *In-situ* conservation
2. *Ex-situ* conservation
3. *In-Ex-situ* conservation
4. On farm conservation

**Options :**

19088928705. 1

19088928706. 2

19088928707. 3

19088928708. 4

**Question Number : 103 Question Id : 1908897204 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Chapter III of the Biological Diversity Act-2002 deals with-

1. Biodiversity Management Committees
2. National Biodiversity Authority
3. Local Biodiversity Fund
4. Regulation of Access to Biological Diversity

**Options :**

19088928709. 1

19088928710. 2

19088928711. 3

19088928712. 4

**Question Number : 104 Question Id : 1908897205 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

As per recent national wildlife database, how many Wildlife Sanctuaries are there in India?

1. 455
2. 543
3. 566
4. 620

**Options :**

19088928713. 1

19088928714. 2

19088928715. 3

19088928716. 4

**Question Number : 105 Question Id : 1908897206 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

As per IUCN Red List categories and criteria, one of the following category does not included under Extinction Risk?

1. Extinct
2. Data Deficient
3. Critically endangered
4. Vulnerable

**Options :**

19088928717. 1

19088928718. 2

19088928719. 3

19088928720. 4

**Question Number : 106 Question Id : 1908897207 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The term deals with the growing and tending of trees and shrubs, individually or in small groups, generally for ornament and instruction rather than use or profit.

1. Arboriculture
2. Eco-tourism
3. Landscape management
4. Wild Corridors

**Options :**

19088928721. 1

19088928722. 2

19088928723. 3

19088928724. 4

**Question Number : 107 Question Id : 1908897208 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of them is not a primary component of sustainability of ecotourism development?

1. Social
2. Economical
3. Environment
4. Political

**Options :**

19088928725. 1

19088928726. 2

19088928727. 3

19088928728. 4

**Question Number : 108 Question Id : 1908897209 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The usable volume of rough timber from average tree is \_\_\_\_\_.

1. 10-15%
2. 20-25%
3. 37-52%
4. 41-60%

**Options :**

19088928729. 1

19088928730. 2

19088928731. 3

19088928732. 4

**Question Number : 109 Question Id : 1908897210 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Woods capable of withstanding rapid seasoning are known as \_\_\_\_\_.

1. Highly refractory woods
2. Moderately Refractory Woods
3. Non refractory woods
4. Refractory woods

**Options :**

19088928733. 1

19088928734. 2

19088928735. 3

19088928736. 4

**Question Number : 110 Question Id : 1908897211 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II

List I	List II
(Book/Theory proposed/Characteristic, etc.)	(Author/Thinker/Name of Theory, etc.)
A. <i>Syzygium aromaticum</i>	I. Rhizome
B. <i>Commiphora wightii</i>	II. Roots
C. <i>Acorus calamus</i>	III. Buds
D. <i>Asparagus racemosus</i>	IV. Gum resins
	V Bark

Choose the correct answer from the options given below:

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

**Options :**

19088928737. 1

19088928738. 2

19088928739. 3

19088928740. 4

**Question Number : 111 Question Id : 1908897212 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following species are not classified as very heavy woods (density 801-950 kg/cum)?

1. *Albizzia lebbek*
2. *Acacia nilotica*
3. *Anogeissus latifolia*
4. *Dalbergia sissoo*

**Options :**

19088928741. 1

19088928742. 2

19088928743. 3

19088928744. 4

**Question Number : 112 Question Id : 1908897213 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

While conversion of timber into various sawn forms, wooden slabs of 5cm thickness with varying length and width are called as \_\_\_\_\_.

1. Planks
2. Scantlings
3. Beams
4. Blocks

**Options :**

19088928745. 1

19088928746. 2

19088928747. 3

19088928748. 4

**Question Number : 113 Question Id : 1908897214 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Fossil resin derived from *Pinus succinifera* is called \_\_\_\_\_.

1. Amber
2. Balsam
3. Elemi
4. Mastic

**Options :**

19088928749. 1

19088928750. 2

19088928751. 3

19088928752. 4

**Question Number : 114 Question Id : 1908897215 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following test evaluate the mechanical forces required to split the timber into parts?

1. Brittleness test
2. Torsional Test
3. Indentation test
4. Tension perpendicular to grain

**Options :**

19088928753. 1

19088928754. 2

19088928755. 3

19088928756. 4

**Question Number : 115 Question Id : 1908897216 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Dammar is the trade name of resin found in the family \_\_\_\_\_.

1. Bombacaceae
2. Pinaceae
3. Dipterocarpaceae
4. Combretaceae

**Options :**

19088928757. 1

19088928758. 2

19088928759. 3

19088928760. 4

**Question Number : 116 Question Id : 1908897217 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Logging training centre at Batote started in the year 1958-59 under the supervision of

---

1. A. Huber
2. H.G. Winklemann
3. A. Koroleff
4. R.S. Troup

**Options :**

19088928761. 1

19088928762. 2

19088928763. 3

19088928764. 4

**Question Number : 117 Question Id : 1908897218 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following species is suitable for Guitar making ?

1. *Toona ciliata*
2. *Dalbergia latifolia*
3. *Canarium euphyllum*
4. *Cedrus deodara*

**Options :**

19088928765. 1

19088928766. 2

19088928767. 3

19088928768. 4

**Question Number : 118 Question Id : 1908897219 Question Type : MCQ Option Shuffling : No  
Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following species does not yield yellow dye?

1. *Crocus sativus*
2. *Berberis aristata*
3. *Datisca cannabina*
4. *Rubia cordifolia*

**Options :**

19088928769. 1

19088928770. 2

19088928771. 3

19088928772. 4

**Question Number : 119 Question Id : 1908897220 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following species is attacked by carpenter Bees?

1. *Pinus roxburghii*
2. *Adina cardifolia*
3. *Shorea robusta*
4. *Acacia nilotica*

**Options :**

19088928773. 1

19088928774. 2

19088928775. 3

19088928776. 4

**Question Number : 120 Question Id : 1908897221 Question Type : MCQ Option Shuffling : No**

**Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hog gum is produced by \_\_\_\_\_.

1. *Butea monosperma*
2. *Acacia catechu*
3. *Cochlospermum religiosum*
4. *Anogeissus latifolia*

**Options :**

19088928777. 1

19088928778. 2

19088928779. 3

19088928780. 4