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**APPSC Assistant Director of  
Horticulture (Horticulture-II)  
Official Paper-III  
(Held On\_ 20 Oct, 2022)**



# APOne Limited

**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 III Horticulture II |
| Subject Name :                          | Paper III Horticulture II |
| Creation Date :                         | 2022-10-20 17:43:54       |
| Duration :                              | 150                       |
| Total Marks :                           | 150                       |
| Display Marks:                          | Yes                       |
| Share Answer Key With Delivery Engine : | No                        |
| 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

Paper III Horticulture II

Group Number : 1

Group Id : 8277883

Is this Group for Examiner? : No

Examiner permission : Cant View

Show Progress Bar? : No

Horticulture II

Section Id : 8277883

Section Number : 1

Section type : Online

Enable Mark as Answered Mark for Review and Clear Response : Yes

Maximum Instruction Time : 0

Sub-Section Number : 1

Sub-Section Id : 8277883

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 1 Question Id : 827788301 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Extension literally means:

Options :

8277881201. ✓ stretching out

8277881202. ✗ talking with

8277881203. ✗ communication

8277881204. ✗ thinking about

**Question Number : 2 Question Id : 827788302 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Extension education is a/an:

**Options :**

8277881205. ✗ formal education

8277881206. ✗ informal education

8277881207. ✓ non-formal education

8277881208. ✗ cyber education

**Question Number : 3 Question Id : 827788303 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The word 'communication' originates from:

**Options :**

8277881209. ✓ Latin

8277881210. ✗ Spanish

8277881211. ✗ Greek

8277881212. ✗ Sanskrit

**Question Number : 4 Question Id : 827788304 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**



**Correct Marks : 1 Wrong Marks : 0.33**

The integration of all TOT programmes of ICAR with KVK happened in:

**Options :**

8277881213. ✓ 1992

8277881214. ✗ 1996

8277881215. ✗ 2001

8277881216. ✗ 2006

**Question Number : 5 Question Id : 827788305 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The paradigm shift from 'top-down to bottom-up' concept programme is:

**Options :**

8277881217. ✗ ATIC

8277881218. ✓ ATMA

8277881219. ✗ SREP

8277881220. ✗ DAATC

**Question Number : 6 Question Id : 827788306 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The skill requirement for the members of DWCR was met through:

**Options :**

8277881221. ✗ SFDA

8277881222. ✗ IRDA

8277881223. ✗ NREP

8277881224. ✓ TRYSEM

**Question Number : 7 Question Id : 827788307 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The acronym for the main steps in extension teaching is:

**Options :**

8277881225. ✖ AIETA

8277881226. ✖ KPDIC

8277881227. ✔ AIDCAS

8277881228. ✖ AIDACS

**Question Number : 8 Question Id : 827788308 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is an example of a projected visual aid?

**Options :**

8277881229. ✖ Chalkboard

8277881230. ✖ Photograph

8277881231. ✖ Poster

8277881232. ✔ Slides

**Question Number : 9 Question Id : 827788309 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The word 'extension' is derived from \_\_\_\_\_ roots.

**Options :**

8277881233. ✔ Latin

8277881234. ✖ Greek

8277881235. ✖ German

8277881236. ✖ British

**Question Number : 10 Question Id : 827788310 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

An agricultural innovator is an example of:

**Options :**

8277881237. ✖ a traditional leader

8277881238. ✖ a political leader

8277881239. ✔ a functional leader

8277881240. ✖ an opinion leader

**Question Number : 11 Question Id : 827788311 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following programmes was launched as part of the golden jubilee celebrations of ICAR?

**Options :**

8277881241. ✖ National demonstration

8277881242. ✖ Frontline demonstration

8277881243. ✔ LLP

8277881244. ✖ KVK

**Question Number : 12 Question Id : 827788312 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The first KVK was established in the year:

**Options :**

8277881245. ✓ 1974

8277881246. ✗ 1975

8277881247. ✗ 1976

8277881248. ✗ 1977

**Question Number : 13 Question Id : 827788313 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

A puppet show is an example of:

**Options :**

8277881249. ✗ audio aids

8277881250. ✗ visual aids

8277881251. ✓ non-projected audio-visual aids

8277881252. ✗ projected audio-visual aids

**Question Number : 14 Question Id : 827788314 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The first step in the extension teaching process is:

**Options :**

8277881253. ✗ Conviction

8277881254. ✗ Desire

8277881255. ✗ Interest

8277881256. ✓ Attention

**Question Number : 15 Question Id : 827788315 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is a new form of video-based communication via telephone lines or satellite broadcast.

**Options :**

8277881257. ✓ Tele-conferencing

8277881258. ✗ Email

8277881259. ✗ Interactive video

8277881260. ✗ Dial access

**Question Number : 16 Question Id : 827788316 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Effective teaching and learning is a matter of:

**Options :**

8277881261. ✗ chance and luck

8277881262. ✓ design and effect

8277881263. ✗ material and non-material

8277881264. ✗ formality and informality

**Question Number : 17 Question Id : 827788317 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

National Horticulture Mission was launched in the year:

**Options :**

8277881265. ✓ 2005-2006

8277881266. ✗ 2003-2004

8277881267. ✗ 2007-2008

8277881268. ✗ 2009-2010

**Question Number : 18 Question Id : 827788318 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following amino acids is synthesised in plants under drought stress?

**Options :**

8277881269. ✖ Glutamine

8277881270. ✔ Proline

8277881271. ✖ Pepsin

8277881272. ✖ Serine

**Question Number : 19 Question Id : 827788319 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The metal ion that is associated with chlorophyll molecule is:

**Options :**

8277881273. ✖ Molybdenum

8277881274. ✖ Cobalt

8277881275. ✔ Magnesium

8277881276. ✖ Phosphorous

**Question Number : 20 Question Id : 827788320 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following growth regulators is used to replace chilling requirements?

**Options :**

8277881277. ✔ Gibberellins

8277881278. ✖ Ethylene

8277881279. ✖ Auxins

8277881280. ✖ ABA

**Question Number : 21 Question Id : 827788321 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The standard growth curve of a plant is:

**Options :**

8277881281. ✖ bell shaped

8277881282. ✔ sigmoidal

8277881283. ✖ pyramidal

8277881284. ✖ straight

**Question Number : 22 Question Id : 827788322 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

What emerges first during seed germination?

**Options :**

8277881285. ✖ Plumule

8277881286. ✔ Radicle

8277881287. ✖ Cotyledons

8277881288. ✖ Hypocotyl

**Question Number : 23 Question Id : 827788323 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following elements plays an important role in the biosynthesis of auxin?



**Options :**

8277881289. ✖ Fe

8277881290. ✖ Co

8277881291. ✔ Zn

8277881292. ✖ Mn

**Question Number : 24 Question Id : 827788324 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is a natural auxin?

**Options :**

8277881293. ✖ 2,4-D

8277881294. ✖ GA

8277881295. ✔ IAA

8277881296. ✖ IBA

**Question Number : 25 Question Id : 827788325 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

GA acts antagonistically with:

**Options :**

8277881297. ✖ IAA

8277881298. ✖ zeatin

8277881299. ✔ ABA

8277881300. ✖ florigen

**Question Number : 26 Question Id : 827788326 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**



**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

C<sub>10</sub> H<sub>9</sub> O<sub>2</sub> N is the chemical formula of:

**Options :**

8277881301. ✖ GA

8277881302. ✔ IAA

8277881303. ✖ zeatin

8277881304. ✖ ABA

**Question Number : 27 Question Id : 827788327 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is a naturally occurring growth inhibitor.

**Options :**

8277881305. ✔ ABA

8277881306. ✖ IAA

8277881307. ✖ GA

8277881308. ✖ 2,4-D

**Question Number : 28 Question Id : 827788328 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Dormancy in seeds is induced by:

**Options :**

8277881309. ✔ Pr form of phytochrome

8277881310. ✖ P<sub>fr</sub> form of phytochrome

8277881311. ✖ GA in cotyledons

8277881312. ✖ cytochrome

**Question Number : 29 Question Id : 827788329 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is the hormone involved in phototropism.

**Options :**

8277881313. ✖ 2,4-D

8277881314. ✖ Cytokinin

8277881315. ✖ GA

8277881316. ✔ Auxin

**Question Number : 30 Question Id : 827788330 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Bending of a plant organ towards light is known as:

**Options :**

8277881317. ✖ phototactism

8277881318. ✖ negative phototropism

8277881319. ✔ positive phototropism

8277881320. ✖ photonasty

**Question Number : 31 Question Id : 827788331 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following can act as an anti-transpirant?

**Options :**

8277881321. ✖ Auxin

8277881322. ✖ GA

8277881323. ✓ ABA

8277881324. ✗ Ethylene

**Question Number : 32 Question Id : 827788332 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Phototropism, which is observed in *Avena* coleoptile, is due to the presence of:

**Options :**

8277881325. ✗ gibberellins

8277881326. ✓ auxin

8277881327. ✗ cytokinin

8277881328. ✗ ethylene

**Question Number : 33 Question Id : 827788333 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

'Etiolation' is commonly observed when plants are grown under:

**Options :**

8277881329. ✓ low light

8277881330. ✗ high light

8277881331. ✗ water logging conditions

8277881332. ✗ water deficit conditions

**Question Number : 34 Question Id : 827788334 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following are CAM plants that are capable of withstanding extended periods of dry



conditions as they have deep-spreading roots and capacity to store water?

**Options :**

8277881333. ✖ Mesophytes

8277881334. ✖ Hydrophytes

8277881335. ✖ Halophytes

8277881336. ✔ Xerophytes

**Question Number : 35 Question Id : 827788335 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Lime induced chlorosis is due to the deficiency of:

**Options :**

8277881337. ✖ Mo

8277881338. ✔ Fe

8277881339. ✖ Ca

8277881340. ✖ Mn

**Question Number : 36 Question Id : 827788336 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The deficiency symptoms of immobile elements are first observed in:

**Options :**

8277881341. ✖ middle leaves

8277881342. ✔ young leaves

8277881343. ✖ old leaves

8277881344. ✖ all leaves

**Question Number : 37 Question Id : 827788337 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

Plants that are resistant to salt stress are called:

**Options :**

8277881345. ✖ glycopytes

8277881346. ✔ halophytes

8277881347. ✖ psamnophytes

8277881348. ✖ saprophytes

**Question Number : 38 Question Id : 827788338 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

Cyclic photophosphorylation is mostly present in:

**Options :**

8277881349. ✔ bacteria

8277881350. ✖ higher plants

8277881351. ✖ virus

8277881352. ✖ fungi

**Question Number : 39 Question Id : 827788339 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

In which of the following plants does carboxylation take place during the night?

**Options :**

8277881353. ✖ C<sub>4</sub> plants

8277881354. ✔ CAM plants

8277881355. ✖ C<sub>3</sub> plants

8277881356. ✖ C<sub>3</sub> and C<sub>4</sub> plants

**Question Number : 40 Question Id : 827788340 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Sodic soil is also known as:

**Options :**

8277881357. ✔ solonetz

8277881358. ✖ solonchak

8277881359. ✖ usar

8277881360. ✖ regur

**Question Number : 41 Question Id : 827788341 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Two elements which are associated with biological nitrogen fixation are:

**Options :**

8277881361. ✖ Fe and Co

8277881362. ✔ Fe and Mo

8277881363. ✖ Mo and B

8277881364. ✖ Co and Zn

**Question Number : 42 Question Id : 827788342 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

An example of slow release nitrogenous fertiliser is:

**Options :**

8277881365. ✓ N-Serve

8277881366. ✗ urea

8277881367. ✗ CAN

8277881368. ✗ ammonium sulphate

**Question Number : 43 Question Id : 827788343 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Favourable pH for Vermicomposting is:

**Options :**

8277881369. ✓ 6.5-7.5

8277881370. ✗ 7.5-8.5

8277881371. ✗ 8.5-9.5

8277881372. ✗ 10-11

**Question Number : 44 Question Id : 827788344 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is a slow acting concentrated organic manure mainly supplying phosphorus.

**Options :**

8277881373. ✓ Bonemeal

8277881374. ✗ Blood meal

8277881375. ✗ Horn meal

8277881376. ✗ Ground nut cake

**Question Number : 45 Question Id : 827788345 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**



**Correct Marks : 1 Wrong Marks : 0.33**

FUE of water soluble p-fertilisers can be increased by

**Options :**

8277881377. ✖ broad casting

8277881378. ✔ band placement

8277881379. ✖ split applications

8277881380. ✖ foliar application

**Question Number : 46 Question Id : 827788346 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

In CAN the ratio of  $\text{NH}_4\text{-N}$  to  $\text{NO}_3\text{-N}$  is:

**Options :**

8277881381. ✖ 1 : 2

8277881382. ✔ 1 : 1

8277881383. ✖ 1 : 3

8277881384. ✖ 1 : 4

**Question Number : 47 Question Id : 827788347 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Study of chemical composition of soil in relation to crop needs is termed as:

**Options :**

8277881385. ✖ soil taxonomy

8277881386. ✖ soil fertility

8277881387. ✔ soil chemistry

8277881388. ✖ soil dynamics

**Question Number : 48 Question Id : 827788348 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The nitrogen percentage in calcium ammonium nitrate (CAN) is:

**Options :**

8277881389. ✖ 20.6%

8277881390. ✖ 46.0%

8277881391. ✔ 25.0%

8277881392. ✖ 36.0%

**Question Number : 49 Question Id : 827788349 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The conservation factor of  $P_2O_5$  to P is:

**Options :**

8277881393. ✖ 2.24

8277881394. ✖ 2.29

8277881395. ✔ 0.44

8277881396. ✖ 0.49

**Question Number : 50 Question Id : 827788350 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Urea is a/an:

**Options :**

8277881397. ✔ organic fertiliser

8277881398. ✖ inorganic fertiliser

8277881399. ✖ nitrate fertiliser

8277881400. ✖ potassium fertiliser

**Question Number : 51 Question Id : 827788351 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The first fertiliser produced in India was:

**Options :**

8277881401. ✖ urea

8277881402. ✖ ammonium sulphate

8277881403. ✖ pelofos

8277881404. ✔ single super phosphate

**Question Number : 52 Question Id : 827788352 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The nutrient which is associated with the rate of water absorption and translocation of sugar in plants is:

**Options :**

8277881405. ✔ B

8277881406. ✖ Fe

8277881407. ✖ Ni

8277881408. ✖ Mo

**Question Number : 53 Question Id : 827788353 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The term 'luxury consumption' is related to the nutrient:

**Options :**

8277881409. ✓ potassium

8277881410. ✗ calcium

8277881411. ✗ sodium

8277881412. ✗ vanadium

**Question Number : 54 Question Id : 827788354 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is/are a form of concentrated organic manure.

**Options :**

8277881413. ✗ Sheep and goat manure

8277881414. ✗ FYM

8277881415. ✓ Oil cakes

8277881416. ✗ Compost

**Question Number : 55 Question Id : 827788355 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The proportion of O<sub>2</sub> in earth crust is:

**Options :**

8277881417. ✓ 46.60%

8277881418. ✗ 27.72%

8277881419. ✗ 74.32%

8277881420. ✗ 92%

**Question Number : 56 Question Id : 827788356 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The process of accumulation of soluble salts in soil is termed as:

**Options :**

8277881421. ✖ podzolisation

8277881422. ✖ laterisation

8277881423. ✖ acidification

8277881424. ✔ salinisation

**Question Number : 57 Question Id : 827788357 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The distribution of pollen by wind is known as:

**Options :**

8277881425. ✖ hydrophily

8277881426. ✖ entomophily

8277881427. ✖ ornithophily

8277881428. ✔ anaemophily

**Question Number : 58 Question Id : 827788358 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Indian Institute of Oil Palm Research is located at:

**Options :**

8277881429. ✔ Pedavegi

8277881430. ✖ Pandirimamidi

8277881431. ✖ Kovvur

8277881432. ✖ Amabajipeta

**Question Number : 59 Question Id : 827788359 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is a fat-soluble vitamin?

**Options :**

8277881433. ✓ Tocopherol

8277881434. ✗ Cyanocobalamine

8277881435. ✗ Pyridoxine

8277881436. ✗ Niacin

**Question Number : 60 Question Id : 827788360 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The system of planting followed in hilly areas is:

**Options :**

8277881437. ✗ square system

8277881438. ✗ filler system

8277881439. ✗ quincunx system

8277881440. ✓ contour system

**Question Number : 61 Question Id : 827788361 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The study of vegetables is known as:

**Options :**

8277881441. ✗ pomology

8277881442. ✗ arboriculture

8277881443. ✖ floriculture

8277881444. ✔ olericulture

**Question Number : 62 Question Id : 827788362 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Indian Council of Medical Research (ICMR) recommends the intake of \_\_\_\_\_ vegetables per capita per day.

**Options :**

8277881445. ✖ 250 g

8277881446. ✔ 300 g

8277881447. ✖ 125 g

8277881448. ✖ 580 g

**Question Number : 63 Question Id : 827788363 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The treatment given to plants to get desirable shape and strong framework is known as:

**Options :**

8277881449. ✖ pruning

8277881450. ✔ training

8277881451. ✖ coppicing

8277881452. ✖ pollarding

**Question Number : 64 Question Id : 827788364 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**



For distant market which type of vegetable garden is suitable?

**Options :**

8277881453. ✖ Home garden

8277881454. ✖ Market garden

8277881455. ✔ Truck garden

8277881456. ✖ Kitchen garden

**Question Number : 65 Question Id : 827788365 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following types of irrigation has the highest WUE?

**Options :**

8277881457. ✖ Flooding

8277881458. ✖ Sprinkler

8277881459. ✔ Drip

8277881460. ✖ Furrow

**Question Number : 66 Question Id : 827788366 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following places is under the temperate zone?

**Options :**

8277881461. ✖ Jharkhand

8277881462. ✔ Jammu

8277881463. ✖ Tripura

8277881464. ✖ Andhra Pradesh

**Question Number : 67 Question Id : 827788367 Question Type : MCQ Option Shuffling : Yes Is**



**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

The best training system followed for grapes is:

**Options :**

- 8277881465. ✖ central leader system
- 8277881466. ✖ modified central leader system
- 8277881467. ✔ pendal system
- 8277881468. ✖ head system

**Question Number : 68 Question Id : 827788368 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

The fertiliser solution applied soon after transplanting of vegetables is called:

**Options :**

- 8277881469. ✖ foliar application
- 8277881470. ✔ starter solution
- 8277881471. ✖ band placement
- 8277881472. ✖ broadcasting

**Question Number : 69 Question Id : 827788369 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following irrigation systems was innovated by a farmer in Rajasthan?

**Options :**

- 8277881473. ✖ Drip system
- 8277881474. ✖ Bubbler system
- 8277881475. ✔ Funnel system

8277881476. ✖ Pitcher system

**Question Number : 70 Question Id : 827788370 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Middlemen are involved in which type of vegetable garden?

**Options :**

8277881477. ✖ Market garden

8277881478. ✔ Truck garden

8277881479. ✖ Floating garden

8277881480. ✖ Kitchen garden

**Question Number : 71 Question Id : 827788371 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The irrigation system involving controlled delivery of water directly to individual plants through a network of pipes is known as:

**Options :**

8277881481. ✖ flood

8277881482. ✔ drip

8277881483. ✖ check basin

8277881484. ✖ pitcher

**Question Number : 72 Question Id : 827788372 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Spraying of fertiliser solutions containing one or more nutrients on the foliage of growing plants is termed as:

**Options :**

8277881485. ✖ starter solution

8277881486. ✔ foliar application

8277881487. ✖ broadcasting

8277881488. ✖ band placement

**Question Number : 73 Question Id : 827788373 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Stooling is also called:

**Options :**

8277881489. ✖ air layering

8277881490. ✔ mound layering

8277881491. ✖ tip layering

8277881492. ✖ trench layering

**Question Number : 74 Question Id : 827788374 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Disease-free plants in micropropagation can be obtained through:

**Options :**

8277881493. ✖ embryo rescue

8277881494. ✔ meristem culture

8277881495. ✖ micropropagation

8277881496. ✖ anther culture

**Question Number : 75 Question Id : 827788375 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**



**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The hexagonal system of planting accommodates \_\_\_\_\_ more plants than the square system.

**Options :**

8277881497. ✓ 15%

8277881498. ✗ 10%

8277881499. ✗ 20%

8277881500. ✗ 25%

**Question Number : 76 Question Id : 827788376 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Hot water treatment of hard seed coat seeds for coat permeability is called:

**Options :**

8277881501. ✗ seed priming

8277881502. ✗ stratification

8277881503. ✓ scarification

8277881504. ✗ moist chilling

**Question Number : 77 Question Id : 827788377 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

In grafting, the lower part of the plant is known as:

**Options :**

8277881505. ✗ bud

8277881506. ✗ apical

8277881507. ✓ stock

8277881508. ✗ scion

**Question Number : 78 Question Id : 827788378 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Micro-grafting is used to produce plants free from:

**Options :**

8277881509. ✓ viruses

8277881510. ✗ bacteria

8277881511. ✗ fungus

8277881512. ✗ nematode

**Question Number : 79 Question Id : 827788379 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The conversion of an old orchard by grafting with scions from new improved varieties is called:

**Options :**

8277881513. ✗ frame working

8277881514. ✗ double working

8277881515. ✓ top working

8277881516. ✗ pollarding

**Question Number : 80 Question Id : 827788380 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The terms '*in vitro*' and '*in vivo*' are \_\_\_\_\_ words.

**Options :**

8277881517. ✗ Greek

8277881518. ✗ English

8277881519. ✓ Latin

8277881520. ✗ Persian

**Question Number : 81 Question Id : 827788381 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Vegetatively propagated plants from a single mother plant, which retain their characters after repeated multiplication, are called:

**Options :**

8277881521. ✓ clone

8277881522. ✗ strain

8277881523. ✗ variety

8277881524. ✗ cultivars

**Question Number : 82 Question Id : 827788382 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The most commonly used root stock for sweet oranges in Andhra Pradesh is:

**Options :**

8277881525. ✓ Rangapur lime

8277881526. ✗ Rough lime

8277881527. ✗ Trifoliate orange

8277881528. ✗ Sweet lime

**Question Number : 83 Question Id : 827788383 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**



Indian Institute of Horticultural Research headquarters are located at:

**Options :**

8277881529. ✖ Hyderabad

8277881530. ✖ Kolkata

8277881531. ✔ Bengaluru

8277881532. ✖ Guntur

**Question Number : 84 Question Id : 827788384 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is the condition in which the carpels mature before the stamens.

**Options :**

8277881533. ✖ Protandry

8277881534. ✔ Protogyny

8277881535. ✖ Dichogamy

8277881536. ✖ Duodichogamy

**Question Number : 85 Question Id : 827788385 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following vitamins is an anti-sterility vitamin?

**Options :**

8277881537. ✖ Vitamin B

8277881538. ✖ Vitamin C

8277881539. ✖ Vitamin B6

8277881540. ✔ Vitamin E

**Question Number : 86 Question Id : 827788386 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

Growing of two or more crops without a definite row pattern is called:

**Options :**

8277881541. ✓ mixed cropping

8277881542. ✗ mono cropping

8277881543. ✗ inter cropping

8277881544. ✗ relay cropping

**Question Number : 87 Question Id : 827788387 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

The whiptail disorder of cauliflower is due to the deficiency of:

**Options :**

8277881545. ✗ calcium

8277881546. ✗ phosphorous

8277881547. ✓ molybdenum

8277881548. ✗ nitrogen

**Question Number : 88 Question Id : 827788388 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0.33**

Banana belongs to the \_\_\_\_\_ family.

**Options :**

8277881549. ✗ Anacardiaceae

8277881550. ✗ Moraceae

8277881551. ✓ Musaceae



8277881552. ✖ Myrtaceae

**Question Number : 89 Question Id : 827788389 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The physiological disorder known as blackheart in pineapple is due to:

**Options :**

8277881553. ✖ high temperature

8277881554. ✔ low temperature

8277881555. ✖ high humidity

8277881556. ✖ low humidity

**Question Number : 90 Question Id : 827788390 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is/are an insecticide of animal origin.

**Options :**

8277881557. ✖ IGR

8277881558. ✖ Pyrrole insecticides

8277881559. ✔ Nereistoxin

8277881560. ✖ Diamides

**Question Number : 91 Question Id : 827788391 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Imidacloprid is a:

**Options :**

8277881561. ✖ chitin synthesis inhibitor
8277881562. ✖ juvenile hormone analogue
8277881563. ✖ synthetic pyrethroid
8277881564. ✔ neonicotinoid

**Question Number : 92 Question Id : 827788392 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Bagging of pomegranate fruit is followed for the control of which of the following pests?

**Options :**

8277881565. ✔ Anar butterfly
8277881566. ✖ Aphids
8277881567. ✖ Shot hole borer
8277881568. ✖ Mealybugs

**Question Number : 93 Question Id : 827788393 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

*Bacillus thuringiensis* was first isolated from the diseased larvae of:

**Options :**

8277881569. ✖ American bollworm
8277881570. ✖ corn borer
8277881571. ✖ diamond back moth
8277881572. ✔ silkworm

**Question Number : 94 Question Id : 827788394 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The parasitoid which attacks another parasitoid is called:

**Options :**

8277881573. ✖ super parasitism

8277881574. ✔ hyper parasitism

8277881575. ✖ simple parasitism

8277881576. ✖ multiple parasitism

**Question Number : 95 Question Id : 827788395 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Central Insecticides Laboratory (CIL) is located at:

**Options :**

8277881577. ✔ Faridabad

8277881578. ✖ New Delhi

8277881579. ✖ Pune

8277881580. ✖ Hyderabad

**Question Number : 96 Question Id : 827788396 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following is a monophagous pest of mango?

**Options :**

8277881581. ✖ Fruit fly

8277881582. ✖ Red ants

8277881583. ✔ Hoppers

8277881584. ✖ Mealy bug

Question Number : 97 Question Id : 827788397 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0.33

Malathion belongs to which group of chemical insecticides?

Options :

8277881585. ✖ Chlorinated hydrocarbons

8277881586. ✖ Carbamates

8277881587. ✔ Organophosphate

8277881588. ✖ Synthetic pyrethroides

Question Number : 98 Question Id : 827788398 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT a bio-control agent?

Options :

8277881589. ✖ Pseudomonas

8277881590. ✖ *Bacillus thuriangiensis*

8277881591. ✔ Xanthomonas

8277881592. ✖ Trichogramma

Question Number : 99 Question Id : 827788399 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0.33

\_\_\_\_\_ pests are pests that occur in a few isolated localities.

Options :

8277881593. ✔ Sporadic

8277881594. ✖ Endemic

8277881595. ✖ Epidemic



8277881596. ✖ Pandemic

**Question Number : 100 Question Id : 827788400 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Which of the following insecticides is a bacterial fermented product?

**Options :**

8277881597. ✖ Nereistoxin

8277881598. ✔ Avermectin

8277881599. ✖ Pyrethrum

8277881600. ✖ Rotenone

**Question Number : 101 Question Id : 827788401 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Hot water treatment is given to mango fruits to kill:

**Options :**

8277881601. ✔ fruitfly

8277881602. ✖ hoppers

8277881603. ✖ red ants

8277881604. ✖ grey weevil

**Question Number : 102 Question Id : 827788402 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Banana bunchy top virus disease is transmitted by:

**Options :**

8277881605. ✓ aphids

8277881606. ✗ jassids

8277881607. ✗ thrips

8277881608. ✗ mites

**Question Number : 103 Question Id : 827788403 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

'Yellow vein mosaic' in bhendi (okra) is transmitted by:

**Options :**

8277881609. ✓ white fly

8277881610. ✗ aphid

8277881611. ✗ thrips

8277881612. ✗ mites

**Question Number : 104 Question Id : 827788404 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The drying of tips of onion leaves shows the symptoms of which of the following pests?

**Options :**

8277881613. ✗ White fly

8277881614. ✗ Scales

8277881615. ✓ Thrips

8277881616. ✗ Mites

**Question Number : 105 Question Id : 827788405 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**



**Correct Marks : 1 Wrong Marks : 0.33**

Treating manure pits in and around coconut gardens reduces the infestation of:

**Options :**

8277881617. ✖ Black-headed caterpillar

8277881618. ✖ Slug caterpillar

8277881619. ✔ Rhinoceros beetle

8277881620. ✖ Red palm weevil

**Question Number : 106 Question Id : 827788406 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The main objective of IPM is to keep the pest population below \_\_\_\_\_.

**Options :**

8277881621. ✔ EIL

8277881622. ✖ ETL

8277881623. ✖ damage boundary

8277881624. ✖ GEP

**Question Number : 107 Question Id : 827788407 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Tannins and gum are obtained from:

**Options :**

8277881625. ✖ *Cassia fistula*

8277881626. ✖ *Glyricidia sepium*

8277881627. ✖ *Sesbania aegyptica*

8277881628. ✔ *Acacia nilotica*

**Question Number : 108 Question Id : 827788408 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The type of agroforestry system wherein food crops are grown in alleys formed by hedge rows of trees or shrubs is known as:

**Options :**

8277881629. ✖ silvi pastoral

8277881630. ✖ agri horticultural

8277881631. ✖ horti pastoral

8277881632. ✔ alley cropping

**Question Number : 109 Question Id : 827788409 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The practice of forestry outside the farm lands, village waste lands, on canal banks, railway lines, road sides etc. is known as:

**Options :**

8277881633. ✖ community forestry

8277881634. ✔ extension forestry

8277881635. ✖ farm forestry

8277881636. ✖ urban forestry

**Question Number : 110 Question Id : 827788410 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The Taungya system is reported to have originated in:

**Options :**

8277881637. ✔ Burma

8277881638. ✖ China

8277881639. ✖ India

8277881640. ✖ Africa

**Question Number : 111 Question Id : 827788411 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Any barrier that obstructs or breaks wind force is called:

**Options :**

8277881641. ✖ shelter belt

8277881642. ✖ alleys

8277881643. ✔ wind break

8277881644. ✖ alleys and shelter belts

**Question Number : 112 Question Id : 827788412 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Cutting of a grown tree to the ground level is known as:

**Options :**

8277881645. ✖ lopping

8277881646. ✖ low pruning

8277881647. ✔ coppicing

8277881648. ✖ pollarding

**Question Number : 113 Question Id : 827788413 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**



Teak belongs to the \_\_\_\_\_ family.

**Options :**

8277881649. ✓ Verbanaceae

8277881650. ✗ Combretaceae

8277881651. ✗ Myrtaceae

8277881652. ✗ Rhamnaceae

**Question Number : 114 Question Id : 827788414 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Neem belongs to the \_\_\_\_\_ family.

**Options :**

8277881653. ✗ Verbanaceae

8277881654. ✗ Combretaceae

8277881655. ✓ Meliaceae

8277881656. ✗ Rhamnaceae

**Question Number : 115 Question Id : 827788415 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Fruit necrosis in aonla is due to the deficiency of:

**Options :**

8277881657. ✗ calcium

8277881658. ✓ boron

8277881659. ✗ iron

8277881660. ✗ magnesium

**Question Number : 116 Question Id : 827788416 Question Type : MCQ Option Shuffling : Yes Is**



**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The first modern agroforestry practice designed by the government for reforestation of open lands was:

**Options :**

- 8277881661. ✖ swidden system
- 8277881662. ✔ taungya system
- 8277881663. ✖ shifting cultivation
- 8277881664. ✖ podo cultivation

**Question Number : 117 Question Id : 827788417 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

According to the second national forest policy, forest cover should be \_\_\_\_\_ per cent of the total geographical area.

**Options :**

- 8277881665. ✖ 11%
- 8277881666. ✖ 22%
- 8277881667. ✔ 33%
- 8277881668. ✖ 44%

**Question Number : 118 Question Id : 827788418 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The International Centre for Research on Agroforestry is located in:

**Options :**

- 8277881669. ✖ India
- 8277881670. ✖ Africa

8277881671. ✓ Kenya

8277881672. ✗ Australia

**Question Number : 119 Question Id : 827788419 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The headquarters of the Centre for International Forestry Research are in:

**Options :**

8277881673. ✗ India

8277881674. ✓ Indonesia

8277881675. ✗ Kenya

8277881676. ✗ Australia

**Question Number : 120 Question Id : 827788420 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

National Institute of Organic Farming is located in:

**Options :**

8277881677. ✓ Ghaziabad

8277881678. ✗ Faridabad

8277881679. ✗ Ahmedabad

8277881680. ✗ Hyderabad

**Question Number : 121 Question Id : 827788421 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Lopping is also called:



**Options :**

8277881681. ✓ branch pruning

8277881682. ✗ brashing

8277881683. ✗ pollarding

8277881684. ✗ coppicing

**Question Number : 122 Question Id : 827788422 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Katha is obtained from which part of *Acacia catechu*?

**Options :**

8277881685. ✗ Leaves

8277881686. ✗ Pods

8277881687. ✗ Roots

8277881688. ✓ Heartwood

**Question Number : 123 Question Id : 827788423 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Virescens, stunting and other proliferations are caused by:

**Options :**

8277881689. ✗ algae

8277881690. ✗ protozoa

8277881691. ✓ phytoplasma

8277881692. ✗ fungi

**Question Number : 124 Question Id : 827788424 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**



**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Papaya ring spot virus is transmitted by:

**Options :**

8277881693. ✖ *Bemisia tabaci*

8277881694. ✖ *Nilaparvata lugens*

8277881695. ✖ *Amritodus atkinsoni*

8277881696. ✔ *Myzus persicae*

**Question Number : 125 Question Id : 827788425 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

The pathogen responsible for Irish famine is:

**Options :**

8277881697. ✔ *Phytophthora infestans*

8277881698. ✖ *Fusarium udum*

8277881699. ✖ *Rhizoctonia solani*

8277881700. ✖ *Pseudomonas fluorescens*

**Question Number : 126 Question Id : 827788426 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is bacterium that induces tumours in plants.

**Options :**

8277881701. ✖ *Erwinia amylovora*

8277881702. ✔ *Agrobacterium tumefaciens*

8277881703. ✖ *Bacillus subtilis*

8277881704. ✖ *Pseudomonas fluorescens*

**Question Number : 127 Question Id : 827788427 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The equipment used for moist heat sterilisation

**Options :**

8277881705. ✖ laminar air flow chamber

8277881706. ✖ hot air oven

8277881707. ✖ colony counter

8277881708. ✔ autoclave

**Question Number : 128 Question Id : 827788428 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The cell wall of oomycetes is made of:

**Options :**

8277881709. ✖ peptide

8277881710. ✖ chitin

8277881711. ✔ cellulose

8277881712. ✖ amylase

**Question Number : 129 Question Id : 827788429 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Black sigatoka of banana is caused by:

**Options :**

8277881713. ✖ *Mycosphaerella musae*

8277881714. ✖ *Rhizoctonia solani*

8277881715. ✓ *Mycosphaerella fijiensis*

8277881716. ✗ *Verticillium alboatrum*

**Question Number : 130 Question Id : 827788430 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is a vector for citrus greening.

**Options :**

8277881717. ✗ *Bemisia tabaci*

8277881718. ✗ *Hishimonas phycitis*

8277881719. ✗ *Myzus persicae*

8277881720. ✓ *Diaphorina citri*

**Question Number : 131 Question Id : 827788431 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ are low molecular weight antimicrobial compounds produced by plants in response to infection.

**Options :**

8277881721. ✗ Antibiotics

8277881722. ✗ Siderophores

8277881723. ✓ Phytoalexins

8277881724. ✗ Auxins

**Question Number : 132 Question Id : 827788432 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is an example of a stem parasite.

**Options :**

8277881725. ✖ Broomrape

8277881726. ✖ Bajra

8277881727. ✔ Cuscuta

8277881728. ✖ Cow pea

**Question Number : 133 Question Id : 827788433 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is an algal disease of mango.

**Options :**

8277881729. ✖ Wilt

8277881730. ✖ Powdery mildew

8277881731. ✔ Red Rust

8277881732. ✖ Canker

**Question Number : 134 Question Id : 827788434 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The first reported vivotoxin was:

**Options :**

8277881733. ✔ fusaric acid

8277881734. ✖ jasmonic acid

8277881735. ✖ salicylic acid

8277881736. ✖ acetic acid

**Question Number : 135 Question Id : 827788435 Question Type : MCQ Option Shuffling : Yes Is**



**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The environmental factors that make plants more amenable to infection are called:

**Options :**

8277881737. ✖ pathogenecity

8277881738. ✔ predisposition

8277881739. ✖ disorder

8277881740. ✖ disease

**Question Number : 136 Question Id : 827788436 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is an example of peritrichous bacteria.

**Options :**

8277881741. ✖ *Pseudomonas*

8277881742. ✖ *Spiroplasma*

8277881743. ✔ *Erwinia*

8277881744. ✖ *Xanthomonas*

**Question Number : 137 Question Id : 827788437 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Temporary locking up of nitrogen in microorganisms is termed as \_\_\_\_\_.

**Options :**

8277881745. ✔ Immobilisation

8277881746. ✖ Decomposition

8277881747. ✖ Mineralisation

8277881748. ✖ Ammonification

**Question Number : 138 Question Id : 827788438 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

Azolla fixes atmospheric nitrogen in association with:

**Options :**

8277881749. ✔ *Anabaena*

8277881750. ✖ *Azotobacter*

8277881751. ✖ *Casuarina*

8277881752. ✖ *Acetobacter*

**Question Number : 139 Question Id : 827788439 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The enzyme responsible for conversion of nitrite to ammonia is:

**Options :**

8277881753. ✔ nitrite reductase

8277881754. ✖ nitrogenase

8277881755. ✖ glutamine synthase

8277881756. ✖ nitrate reductase

**Question Number : 140 Question Id : 827788440 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The pink colour of nodules is due to the presence of:

**Options :**

8277881757. ✖ nitrogenase

8277881758. ✖ glutamine synthase

8277881759. ✖ nitrate reductase

8277881760. ✔ leg haemoglobin

Question Number : 141 Question Id : 827788441 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

\_\_\_\_\_ is an example of a free living nitrogen fixing microbe.

Options :

8277881761. ✖ Frankia

8277881762. ✔ Azatobacter

8277881763. ✖ Rhizobium

8277881764. ✖ Acetobacter

Question Number : 142 Question Id : 827788442 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

\_\_\_\_\_ is a stem nodulating green manure crop.

Options :

8277881765. ✖ *Sesbania aculeata*

8277881766. ✖ *Sesbania grandiflora*

8277881767. ✔ *Sesbania rostrata*

8277881768. ✖ *Sesbania speciosa*

Question Number : 143 Question Id : 827788443 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical



**Correct Marks : 1 Wrong Marks : 0.33**

Culturing of earthworms is known as:

**Options :**

8277881769. ✖ vermicomposting

8277881770. ✔ vermiculture

8277881771. ✖ vermiwash

8277881772. ✖ vermitechnology

**Question Number : 144 Question Id : 827788444 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

\_\_\_\_\_ is an example of phosphate solubilising fungi.

**Options :**

8277881773. ✖ Bacillus sps

8277881774. ✖ Pseudomonas sps

8277881775. ✖ Nostoc

8277881776. ✔ Aspergillus

**Question Number : 145 Question Id : 827788445 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.33**

Which of the following Rhizobium strains is used to inoculate the berseem crop?

**Options :**

8277881777. ✖ *Rhizobium japonicum*

8277881778. ✖ *Rhizobium meliloti*

8277881779. ✔ *Rhizobium trifoli*

8277881780. ✖ *Rhizobium phaseoli*

Question Number : 146 Question Id : 827788446 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0.33

Which of the following is a biocontrol agent used against *Parthenium hysterophorus*?

Options :

8277881781. ✓ *Zygogramma bicolorata*

8277881782. ✗ *Neochetina bruchi*

8277881783. ✗ *Bactra minima*

8277881784. ✗ *Myrothecium rovidium*

Question Number : 147 Question Id : 827788447 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0.33

Compost obtained from the excreta and dead bodies of sea birds is known as:

Options :

8277881785. ✗ meat meal

8277881786. ✗ fish meal

8277881787. ✓ guano

8277881788. ✗ horn meal

Question Number : 148 Question Id : 827788448 Question Type : MCQ Option Shuffling : Yes Is  
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum  
Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0.33

Manure produced from the dehydration of night soil is known as:

Options :

8277881789. ✓ poudrette

8277881790. ✗ fauno

8277881791. ✗ tankage

8277881792. ✖ sewage

**Question Number : 149 Question Id : 827788449 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The solid portion of sewage is known as:

**Options :**

8277881793. ✖ hay

8277881794. ✔ sludge

8277881795. ✖ silage

8277881796. ✖ pasturage

**Question Number : 150 Question Id : 827788450 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 1/3 Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0.33**

The enzyme responsible for the nitrogen fixation in legumes is:

**Options :**

8277881797. ✖ cellulase

8277881798. ✖ lipase

8277881799. ✔ nitrogenase

8277881800. ✖ peroxidase