



## BIOLOGY

### BOOKS - PREMIERS PUBLISHERS

## ECONOMICALLY USEFUL PLANTS AND ENTREPRENEURIAL BOTANY

### Textbook Questions Answers

1. Consider the following statements and choose the right option. i) Cereals are members of grass family . Most of the food grains come from monocothledon.

A. (i) is correct and (ii) is wrong

B. Both (i) and (ii) are correct

C. (i) is wrong and (ii) is correct

D. Both (i) and (ii) are wrong

**Answer: B**



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2. Assertion: Vegetables are important part of healthy eating.

Reason: Vegetables are succulent structures of plants with pleasant aroma and flavours.

A. Assertion is correct, Reason is wrong

B. Assertion is wrong, Reason is correct

C. Both are correct and reason is the correct explanation for assertion

D. Both are correct and reason is not the correct explanation for assertion.

**Answer: A**



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**3. Groundnut is native of .....**

A. Philippines

B. India

C. North America

D. Brazil

**Answer: D**

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4. Statement A: Coffee contains caffeine.

Statement B: Drinking coffee enhances cancer.

- A. A is correct, B is wrong
- B. A and B - Both are correct
- C. A is wrong, B is correct
- D. A and B - Both are wrong

**Answer: A**



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5. *Tectona grandis* is coming under family

- A. Lamiaceae
- B. Fabaceae
- C. Dipterocarpaceae
- D. Ebenaceae

**Answer: A**



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6. *Tamarindus indica* is indigenous to

A. Tropical African region

B. South India, Sri Lanka

C. South America, Greece

D. India alone

**Answer: A**



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**7. New world species cotton**

A. *Gossipium arboretum*

B. *G. herbaceum*

C. Both (a) and (b)

D. G.barbadense

**Answer: D**

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**8.** Assertion: Turmeric fights various kinds of cancer.

Reason: Curcumin is an anti-oxidant present in turmeric.

A. Assertion is correct, Reason is wrong

B. Assertion is wrong, Reason is correct

C. Both are correct

D. Both are wrong

**Answer: C**



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9. Find out the correctly matched pair.

A. Rubber *Shorea robusta*

B. Dye *Lawsonia inermis*

C. Timber *Cyperus papyrus*

D. Pulp *Hevea brasiliensis*

**Answer: B**



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**10.** Observe the following statements and pick out the right option from the following:

Statement I- Perfumes are manufactured from essential oils.

Statement II- Essential oils are formed at different parts of the plants.

- A. Statement I is correct
- B. Statement II is correct
- C. Both statements are correct
- D. Both statements are wrong

**Answer: A**



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11. Observe the following statements and pick out the right option from the following:

Statement I: The drug sources of Siddha include plants, animal parts, ores and minerals.

Statement II: Minerals are used for preparing drugs with long shelf-life.

- A. Statement I is correct
- B. Statement II is correct
- C. Both statements are correct
- D. Both statements are wrong

**Answer: B**



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12. The active principle trans tetra hydrocannabinol is present in

A. Opium

B. Curcuma

C. Marijuana

D. Andrographis

**Answer: C**



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13. Which one of the following matches is correct?

A. Palmyra - Native of Brazil

B. Saccharun - Abundant in Kanyakumari

C. Steveocide - Natural sweetener

D. Palmyra sap - Fermented to give ethanol

**Answer: D**



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**14.** The only cereal that has originated and domesticated from the New world.

A. *Oryza sativa*

B. *Triticum aetumn*

C. *Triticum durum*

D. Zea mays

**Answer: D**

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**15.** Write the cosmetic uses of Aloe.

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**16.** What is pseudo cereal? Give an example.

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**17.** Discuss which wood is better for making furniture.



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**18.** A person got irritation while applying chemical dye. What would be your suggestion for alternative ?



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**19.** Name the humors that are responsible for the health of human beings.



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**20.** Give definitions for organic farming.



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**21.** Which is called as "The King of Bitters"? Mention their medicinal importance.



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**22.** Differentiate bio-medicines and botanical medicines.



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**23.** Write the origin and area of cultivation of green gram and red gram.



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**24.** What are millets? What are its types ? Give example for each type.



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**25.** If a person drinks a cup of coffee daily it will help him for his health. Is this correct? If it is correct, list out the benefits.



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**26.** Enumerate the uses of turmeric.



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**27.** What is TSM ? How does it classified and what does it focuses on ?



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**28.** Write the uses of nuts you have studied



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**29.** Give an account on the role of Jasminum ans in perfuming.

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**30.** Give an account of active principle and medicinal values of any two plants you have studied

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**31.** Write the econpmic importance of rice.

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**32.** Which TSM is widely practiced and culturally accepted in Tamil Nadu ? - explain .

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**33.** What are psychoactive drugs? Add a note Marijuana and Opium.

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**34.** What are the King and Queen of spices? Explain about them their uses.

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35. How will you prepare an organic pesticide for your home garden with the vegetables available from your kitchen ?

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## Other Important Question Answers Mcqs

1. Match the following.

- |                   |                            |
|-------------------|----------------------------|
| (p) cereals       | (i) Quinoa                 |
| (q) Pseudo-cereal | (ii) Pulse                 |
| (r) Black gram    | (iii) <i>Cajanus cajan</i> |
| (s) Red gram      | (iv) <i>Oryza sativa</i>   |

A. (p)-(iv), (q)-(iii), (r)-(ii), (s)-(i)

B. (p)-(iv), (q)-(i), (r)-(ii), (s)-(iii)

C. (p)-(iii), (q)-(iv), (r )-(i), (s)-(ii)

D. (p)-(ii), (q)-(i), (r )-(iv), (s)-(iii)

**Answer: B**

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**2. Match the following.**

(p) Mango	(i) Tropical Africa
(q) Green gram	(ii) Brazil
(r) Lady's finger	(iii) Southern Asia
(s) Ground nut	(iv) India

A. (p)-(iv), (q)-(iii), (r )-(ii), (s)-(i)

B. (p)-(iv), (q)-(iii), (r )-(i), (s)-(ii)

C. (p)-(iii), (q)-(iv), (r )-(i), (s)-(ii)

D. (p)-(ii), (q)-(i), (r)-(iv), (s)-(iii)

**Answer: C**

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**3. Match the following.**

( <i>p</i> ) Fibre	( <i>i</i> ) Havea brasiliensis
( <i>q</i> ) Wood pulp	( <i>ii</i> ) Eucalyptus
( <i>r</i> ) Latex	( <i>iii</i> ) Cyperus pappyrus
( <i>s</i> ) Perfume	( <i>iv</i> ) Corchorus spp

A. (p)-(iv), (q)-(iii), (r)-(i), (s)-(ii)

B. (p)-(iv), (q)-(iii), (r)-(ii), (s)-(i)

C. (p)-(ii), (q)-(i), (r)-(iv), (s)-(iii)

D. (p)-(iii), (q)-(iv), (r)-(i), (s)-(ii)

**Answer: A**



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**4. Match the following.**

(p) Phyllanthin

(q) Nilavembu

(r) Trans-tetrahydro canabinal

(s) Opium

(i) Andrographolides

(ii) Keezhanelli

(iii) Poppy plant

(iv) Cannabis

A. (p)-(iv), (q)-(iii), (r)-(ii), (s)-(i)

B. (p)-(iv), (q)-(iii), (r)-(i), (s)-(ii)

C. (p)-(iii), (q)-(iv), (r)-(ii), (s)-(i)

D. (p)-(ii), (q)-(i), (r)-(iv), (s)-(iii)

**Answer: D**



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5. Which one is called as holy basil?

- A. *Phyllanthus emblica*
- B. *Acalypha indica*
- C. *Ocimum sanctum*
- D. *Aegle marmelos*

**Answer: C**



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6. Marijuana is included under the family:



A. Solanaceae

B. Cannabiaceae

C. Acanthaceae

D. Euphorbiaceae

**Answer: B**



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7. Which of the following is used as Bio-pest repellent:

A. Azadirachata indica

B. Acalypha indica

C. Vinca rosea

D. Aegle marmelos

**Answer: A**

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8. Chenopodium quinoa is coming under:

A. Pulses

B. Cereals

C. Nuts

D. Pseudo-cereals

**Answer: D**

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9. Choose the odd one out:

A. Black gram

B. Sorghum

C. Pigeon gram

D. Green gram

**Answer: B**



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10. Choose the odd one:

A. Coffea arabica

B. Elettaria cardamomum

C. Piper nigrum

D. Cumcuma longa

**Answer: A**



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**11. Find out the odd one.**

A. Phyllanthin

B. Azadictin

C. Gibberillin

D. Morphine

**Answer: C**



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**12. Indicate the odd one.**

A. Nilavembu

B. Garlic

C. Indian gooseberry

D. Vilvum

**Answer: B**



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**13. Assertion:** Phyllanthus is a well-known hepato protective plant used for the treatment of jaundice.

**Reason:** It has been scientifically proved that the extract of P.amarus is effective against hepatitis B virus.

A. Both Assertion and Reason are correct, Assertion is the correct explanation of Assertion.

B. Both Assertion and Reason are correct, Assertion is not the correct explanation of Assertion.

C. Assertion is not correct, Reason is correct

D. Assertion is correct, Reason is not correct

**Answer: B**



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**14. Assertion:** Medicinal plants play a significant role in providing healthcare services to urban people.

**Reason:** They serve as the therapeutic agents as well as important raw material for the manufacture of traditional and modern medicines.

A. Both Assertion and Reason are correct, Reason is the correct explanation of Assertion.

B. Both Assertion and Reason are correct, Reason is not the correct explanation of Assertion.

C. Assertion is not correct, Reason is correct

D. Assertion is correct, Reason is not correct

**Answer: C**



**15.** Assertion: The essential oil from jasmine is used in modern perfumery and cosmetics.

Reason: The aroma of Jasmine will not blends well with other perfumes.

- A. Both Assertion and Reason are correct, Reason is the correct explanation of Assertion.
- B. Both Assertion and Reason are correct, Reason is not the correct explanation of Assertion.
- C. Assertion is not correct, Reason is correct
- D. Assertion is correct, Reason is not correct



**Answer: A**



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**16.** Assertion: An orange dye "Henna" is obtained from the roots of *Lawsonia inermis*.

Reason: The principal colouring matter lacosone obtained from the root is harmless.

A. Both Assertion and Reason are correct, Reason is the correct explanation of Assertion.

B. Both Assertion and Reason are correct, Reason is not the correct explanation of Assertion.

C. Assertion is not correct, Reason is correct

D. Both Assertion and Reason are not correct

**Answer: D**

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17. Which of the following statement is not correct

- A. Traditionally turmeric is used as skin care cosmetics in Tamil Nadu.
- B. Aloe vera is an antioxidant
- C. Perfumes are manufactured from essential oil.
- D. All the above statement are not correct

**Answer: D**



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18. Choose the correct statement.

- A. Black pepper is known as the queen of spices
- B. Cardamom is called as the king of spices
- C. Black pepper is called as the 'black gold of India'
- D. None of the above

**Answer: C**



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19. Indicate the incorrect statement.

- A. The origin of red mango is Southern Asia
- B. The origin of red gram is Southern India
- C. Lady's finger is a native of Tropical Africa
- D. Kodo millet is originated from Asia

**Answer: D**



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**20.** Identify the correct statement.

- A. Rice is the chief source of carbohydrate
- B. Wheat is the chief sources of protein
- C. Edible oil is extracted from the husks of paddy

D. Rice bran is used as a fuel

**Answer: A**

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**Other Important Question Answers Answer The Following**

1. What is meant by pseudo-cereal?

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2. Give the scientific names of two cereals

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**3.** Mention any two examples of minor millets.



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**4.** Define- Pulses.



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**5.** Mention the nativity of black gram and green gram.



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**6.** Define sugar.



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7. Mention the uses of palmyra.

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8. Explain briefly the property of coffee.

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9. What are the King and Queen of spices? Explain about them their uses.

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10. Write notes on red pepper.



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11. Mention any two properties of teak wood.



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12. Paper production was invented by



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13. What is folk medicine?



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**14.** Mention any two medicinal plants with their useful parts of the plant

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**15.** Define Entrepreneurial Botany.

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**16.** Write the uses of wheat.

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17. Distinguish between black gram and green gram.



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18. National fruit of India \_\_\_\_\_ .



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19. Mention the origin and area of cultivation of sugar cane.



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20. Write down the importance of ground nut.



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21. Given an account an king of spices and its uses.

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22. Mention some uses of rubber.

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23. What are psychoactive drugs? Add a note Marijuana and Opium.

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**24.** Why are cereals attributed as food plants?



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**25.** Write about the importance of vegetables with an examples.



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**26.** List out the uses of red chillies.



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**27.** Write about folk system of medicine.



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