



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



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



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



5. Tectona grandis is coming under family

A. Lamiaceae

B. Fabaceae

- C. Dipterocaipaceae
- D. Ebenaceae

Answer: A



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



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



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



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

Statement I- Perfumes are manufactured from essentail oils.

Statement II- Essentail 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



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

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

Statement : minearls 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



12. The active principle trans tetra hydrocanabial 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.

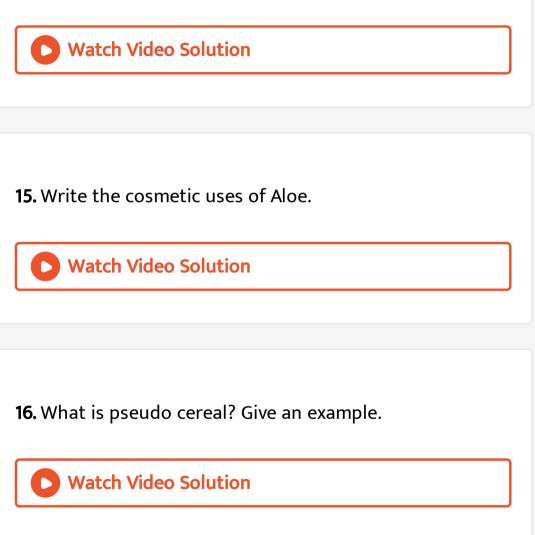
A. Oryza sativa

B. Triticum asetumn

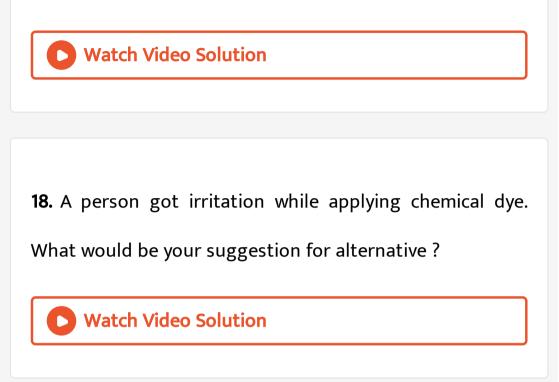
C. Triticum duram

D. Zea mays





17. Discuss which wood is better for making furniture.



19. Name the humors that are responsible for the health

of human beings.



20. Give definiations 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.



24. What are millets? What are its types ? Give example for

each type.



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.

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.



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

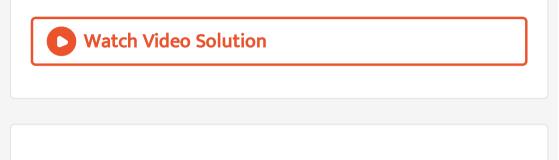


31. Write the econpmic importance of rice.



32. Which TSM is widely practiced and culturally accepeted

in Tamil Nadhu ? - explain .



33. What are psychoactive drugs? Add a note Marijuana

and Opium.



34. What are the King and Queen of spices? Explain about

them their uses.



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) Cajanus cajan
- (s) Red gram (iv) Oryza sativa

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)

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)

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

Answer: C



3. Match the following.

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)

Answer: A



4. Match the following.

- (p) Phyllanthin
- (q) Nilavembu
- (r) Trans-tetrahydro canabinal
- (s) Opium
 - 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

- (i) Andrographolides
- (ii) Keezhanelli
- (*iii*) Poppy plant
- (iv) Cannabis





5. Which one is called as holy basil?

A. Phyllanthus emblica

B. Acalypha indica

C. Ocimum sanctum

D. Aegle marmelos

Answer: C



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



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



11. Find out the odd one.

A. Phyllanthin

B. Azadictin

C. Gibberillin

D. Morphine

Answer: C Watch Video Solution

- **12.** Indicate the odd one.
 - A. Nilavembu
 - B. Garlic
 - C. Indian gooseberry
 - D. Vilvum
- Answer: B



13. Assertion: Phyllantus 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

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



16. Assertion: An organge dye "Henna" is obtained from the roots of Law Sonia 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



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



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



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



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.



7. Mention the uses of palmyra.

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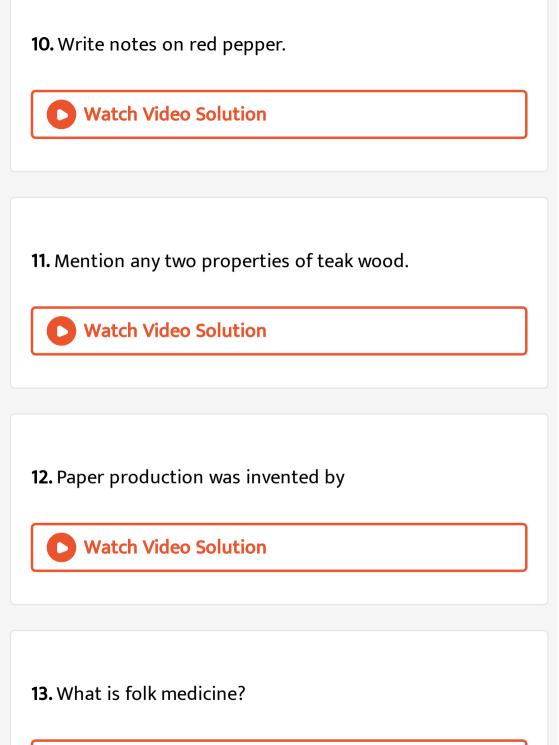
8. Explain briefly the property of coffee.



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

them their uses.





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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.

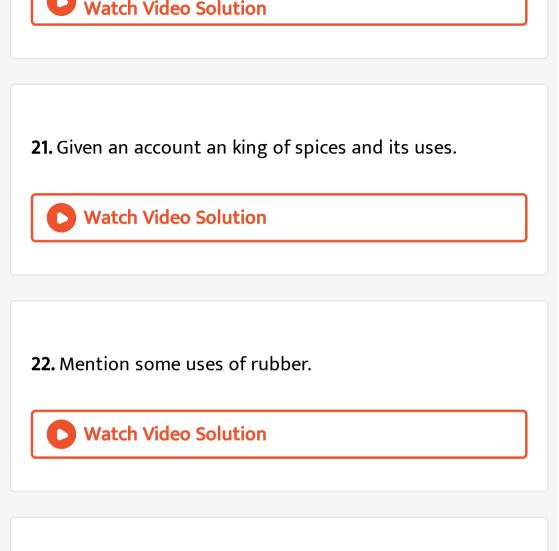
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17. Distinguish between black gram and green gram.

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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.

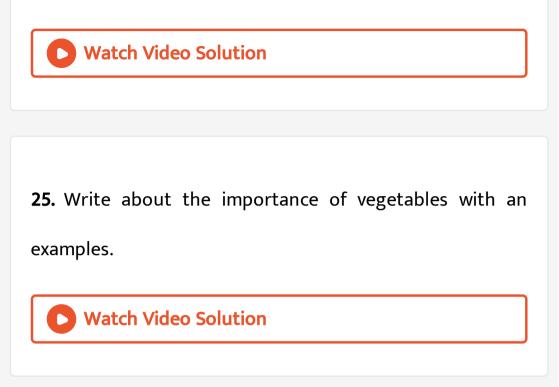




23. What are psychoactive drugs? Add a note Marijuana and Opium.

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24. Why are cereals attributed as food plants?



26. List out the uses of red chillies.



27. Write about folk system of medicine.

