



# BIOLOGY

## BOOKS - BHARATI BHAWAN BIOLOGY (HINGLISH)

### FOOD RESOURCES : PLANTS

#### A Objective Questions

1. Which of the following statements are correct ?

A. Green Revolution is meant for increase  
in crop production

B. The science of improving crop varieties  
is called plant breeding

C. Blue Revolution is meant for increase in  
pulse production

D. White Revolution is associated with  
increase in milk production

**Answer: A::B::D**



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2. Which of the following preventive measures are adopted for storage of grains?

A. Fumigation

B. Cleaning

C. Proper disjoining

D. Crop rotation

**Answer: A::B**



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3. Which of the following statements are true ?

A. The practice of growing two or more crops at the same time in a field is called mixed cropping

B. manure increase the organic matter, nutrients and water-holding capacity of sandy soil.

C. Fertilizers are organic chemicals.

D. manure helps in draining out excess water from clayey soil.

**Answer: A::B::D**



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4. Which of the following measures are used to solve the food problem of the country ?

A. Easy access of people to the foodgrains

B. Availability of money to purchase the  
foodgrains

C. Enhanced production and better storage  
of foodgrains

D. all of these

**Answer: D**



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5. Which one of the following is an oil-yielding plant ?

A. Cabbage

B. Cauliflower

C. Sunflower

D. Lentil

**Answer: C**



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6. The productivity of crop plants gets affected by weeds due to

- A. their dominant growth
- B. their position
- C. their competition for various resources present
- D. their large canopy

**Answer: C**



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7. Which of the following nutrients are found in fertilizers ?

A. Iron

B. Phosphorus

C. Potassium

D. Nitrogen

**Answer: B::C::D**



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8. Which of the following crops are the source of carbohydrate ?

A. Sorghum

B. Rice

C. Gram

D. Millets

**Answer: A::B::D**



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9. Which of the following statements are correct ?

A. Cross between two different varieties of the same species is called intervarietal hybridization

B. Introduction of genes of desired characters into a plant results into genetically modified crop.

C. The process of cross-breeding between genetically dissimilar individuals is called hybridization

D. All of the above

**Answer: D**



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**10.** Which of the following crops is a good source of protein ?

A. Lentil (masoor)

B. Maize

C. Mustard

D. Millet

**Answer: A**



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**11.** Which of the following crops belong to fodder category ?

A. Sudan grass

B. Berseem

C. Oat

D. Soya bean

**Answer: A::B::C**



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**12. Choose the correct statements .**

A. Rainy season is commonly called kharif season.

B. Wheat, mustard and pea are kharif crops

C. Paddy , maize and soya bean are rabi crops

D. Wheat, gram and mustard are rabi crops

**Answer: C**



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**13.** How many elements are essential for plants

?

A. 9

B. 13

C. 5

D. 16

**Answer: D**



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14. Manure is prepared by the decomposition of

- A. Plant wastes
- B. animal excreta
- C. organic matters
- D. all of these

**Answer: D**



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15. Parthenium (gajar ghas) is the example of common

A. kharif crop

B. weed

C. rabi crop

D. pulse

**Answer: B::C::D**



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**16.** Weed control methods include

- A. intercropping
- B. crop rotation
- C. mechanical removal
- D. all of these

**Answer: D**



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**17.** Yellow Revolution is associated with

A. pulse

B. oil

C. Fish

D. milk

**Answer: A::C::D**



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**18. Vegetables are the important source of**

A. Carbohydrates

B. proteins

C. minerals and vitamins

D. fats

**Answer: C**



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**19.** Which of the following nutrients is not a macronutrient ?

A. Zinc

B. Boron

C. Phosphorus

D. Copper

**Answer: A::B::D**



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**20.** The practice of ploughing green legume-bearing plants into the soil for improving its fertility is called

A. composting

B. vermicomposting

C. plant breeding

D. green manuring

**Answer: D**



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**li Fill In The Blanks**

1. Altogether ..... Nutrients are essential to plants.



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2. The nutrients which are required in small quantity by plants are called.....



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3. The flowering in plants is affected by .....







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4. The crops which are cultivated in rainy season are called..... crops



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5. The crops growing in winter season are called ..... crops



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6. The causal organism of any disease is called.....



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7. In ..... Cropping, wheat and groundnut are grown in the same field at the same time.



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8. Parthenium and Xanthium are common.....

.



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9. Pigeon pea provides ..... To us.



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10. Chemicals like fertilizers, herbicides and pesticides are not used in ..... Farming .



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11. Maize, paddy, black gram and green gram are ..... Crops.



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12. Mustard, wheat ,pea and grams are the examples of ..... crops.



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**13.** Altogether ..... nutrients (macro-and micronutrients) are supplied to the plants through soil.



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**14.** ..... Marcronutrient are obtained by the plants from soil.



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**15.** In....., soyabean and maize are grown in alternate rows in the same field.



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**16.** The practice of growing different crops on a particular land in pre-planned succession is called..... .



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17. Vegetables are rich in .....



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18. Berseem is the example of an important ..... crop.



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iii Write Yes No

1. Is 2,4D a common pesticide ?



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2. Should the moisture content of stored grains be around 18% ?



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3. Are fertilizers readily soluble in water ?



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4. Is Rhizobium (nitrogen-fixing bacteria) found in the roots of leguminous crops ?



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5. Are earthworms used in vermicomposting ?



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6. Is it true that most plant nutrients are present in the form of organic matter in soil?



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7. Does fungi cause rust disease ?



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8. In mixed cropping , are different crops planted in a random way ?



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**9.** Is the practice of growing two or more crops at the same time in a field called mixed cropping ?



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**10.** Can fertilizers be called organic chemicals manufactured in industries ?



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## Iv Mark The Statement True T And False F

1. Blue Revolution is associated with fish production.



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2. Prof Swaminathan is considered the architect of the Green Revolution in India.



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3. A gene is a unit of heredity made up of RNA.



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4. Organic farming does not have any disadvantage .



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5. Ground water gets replenished by rainfall.



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6. Fertilizers also provide humus to the soil.



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7. Manure is not nutrient-specific.



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8. Crops like sunnhemp and guar are commonly grown for green manuring .



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9. In mixed cropping usually a cereal crop is grown with a leguminous crop.



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10. High-yielding varieties of crops do not respond to fertilizers.



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## V Match The Columns

1. 



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## B Very Short Answer Questions

1. Define photoperiod ?



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2. What is hybridization ?



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3. List out some useful traits in improved crop ?



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4. Group the following and tabulate them as energy yielding protein yielding oil yielding and fodder crop.

Wheat rice berseem maize gram oat pigeon  
gram sudan grass lentil soyabean groundnut  
castor and mustard.



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5. Why is organic matter important for crop  
production?



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6. Name the nutrients obtained from soil by plants.



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7. Define crops ?



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8. What is meant by sustainable agriculture ?



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**9. What are rabi crops ?**



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**10. Why are vegetables important for human body ?**



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**11. Give two examples of kharif crop.**



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**12.** How many nutrients are required by plants ?



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**13.** What is farmyard manure ?



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**14.** Explain why a legume crop does not require nitrogenous fertilizers ?



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**15.** What is fumigation ?



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**16.** What will happen if the moisture content of grains is reduced beyond a certain limit ?



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## C Short Answer Questions

1. Why is excess use of fertilisers detrimental for environment?



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2. Cultivation practices and crop yield are related to environmental condition . Explain.



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3. In agricultural practices, higher input gives higher yield. Discuss how ?



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4. Discuss the role of hybridisation in crop improvement.



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5. Discuss why pesticides are used in very accurate concentration and in very appropriate manner?



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6. Write the modes by which insects affect the crop yield.



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7. Differentiate between micronutrients and macronutrients . What are their sources ?



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8. Name 3 oil producing plant



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**D Long Answer Questions**

1. Describe the advantage and disadvantages of organic farming .



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2. What is crop rotation?



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3. What are essential elements?



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## E Crossword Puzzle

1. 

Down

1. Manure prepared with the help of earthworms

3. Oil-yielding plant

5. Undesirable plant in crop field

Across

2. Organic matter obtained from decomposition of plant and animal waste.

4. A micronutrient

6. Common fungal disease of wheat



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