



# BIOLOGY

## BOOKS - NAND LAL PUBLICATION

### IMPROVEMENTS IN FOOD RESOURCES

#### Intext Questions

1. What do we get from cereals, pulses, fruits and vegetables ?



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2. How do biotic and abiotic factors affect crop production ?



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3. What are the desirable agronomic characteristics for crop improvements ?



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4. What are macro-nutrients and why are they called macro-nutrients?



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5. How do plants obtain their nutrients?



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6. compare the use of manures and fertilizers in maintaining soil fertility.



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7. Which of the following conditions will give the most benefits ? Why ?

(a) Farmers use high-quality seeds, do not adopt irrigation or use fertilizers.

(b) Farmers use ordinary seeds, adopt irrigation and use fertilizer.

(c) Farmers use quality seeds, adopt irrigation, use fertilizer and use crop protection measures.



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8. Why should preventive measures and biological control methods be preferred for protecting crops.



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9. What factors may be responsible for losses of grains during storage?



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10. Which method is commonly used for improving cattle breeds and why?



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11. Discuss the implications of the following statement- "it is interesting to note that poultry is India's most efficient converter of low fibre food stuff (which is unfit for human consumption) into highly nutritious animal protein food."



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**12.** What management practices are common in dairy and poultry farming?



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**13.** What are the differences between broilers and layers and in their management?



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**14.** How are fish obtained?



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**15.** What are the advantages of composite fish culture?



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**16.** What are the desirable characters of bee varieties suitable for honey production?





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17. What is pasturage and how is it related honey production?



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## Exercises

1. Explain any one method of crop production which ensures high yield.



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2. Why are manures and fertilizers used in fields?



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3. What are the advantages of inter-cropping and crop rotation?



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4. What is genetic manipulation? How is it useful in agricultural practices?



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5. How do storage grain losses occur?



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6. How do good animal husbandry practices benefit farmers?



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7. What are the benefits of cattle farming?



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8. For Increasing production, what is common in poultry, fisheries and bee-keeping?



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9. How do you differentiate between capture fishing, mariculture and aquaculture?



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## Additional Questions

1. Name some food sources.



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2. What are the sources of food?



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3. From where is food-source obtained?



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4. How much plant and animal products are required every year to fulfil the need of food in our country?



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5. On the basis of crops, how many crop seasons are there?



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6. Name various scientific methods used for improvements in yield.



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7. Name some cereals which provide as Carbohydrate.



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8. Name some pulses which provide as proteins.



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9. Name some oil seeds which provide us fats.







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**10.** Name some fodder crops.



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**11.** What is Kharif season? What is its duration? Name few Kharif crops.



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**12.** What is rabi season? What is its duration?

Name few rabi crops.



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**13.** What is ratio of increase in cultivable land and production of food grain in India during last 45 years.



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**14.** What are the major groups of activities for increasing crop yields?



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**15.** Name the factors done for crop variety improvement.



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**16.** You have seen weather reports on television and in newspapers. How do you think we are able to predict the weather?



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**17.** We know that many human activities lead increasing levels of pollution of the air, water bodies and soil. Do you think that isolating these activities to specific and limited areas would help reducing pollution?





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**18.** Write a note on how forests influence the quality of our air, soil and water resources.



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## Additional Questions Very Short Answer Type Questions

**1.** What is the life supporting zone of the Earth called ?



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2. What are the basic requirements-of all life forms on the Earth ?



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3. What are the resources present on the earth?



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4. What is potable water ?



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5. The quality of the topsoil is important. Give reason.



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[Additional Questions Short Answer Type I Questions](#)

1. All the living organisms are basically made up of C, N, S, P, H and O. How do they enter the living forms ? Discuss.



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2. How is carbon dioxide fixed?



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**3.** Group the following and tabulate them a energy yielding, protein yielding, oil yielding an fodder crop.

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



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**4.** Rahul and Rachna were practising floricultule in their farm. They sold the flowers

to florists in India.

They felt that if they start bee keeping too, their income will increase. They obtained more information from -the local officer.

What is pasturage and how is it related to quality of honey? of Rahul and Rachna ?



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5. Rahul and Rachna were practising floriculture in their farm. They sold the flowers to florists in India.

They felt that if they start bee keeping too, their income will increase. They obtained more information from -the local officer

Name a bee variety which is commonly used or commercial honey production



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6. Rahul and Rachna were practising floriculture in their farm. They sold the flowers to florists in India.

They felt that if they start bee keeping too,

their income will increase. They obtained more information from -the local officer.

Why society would appreciate initiative



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## Additional Questions Short Answer Type II Questions

1. Rivers from land, add minerals to sea water

Discuss how ?



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2. Why do lichens not occur in Delhi where they commonly grow in Manali or Darjeeling ?



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3. What is a GM crop ? Name any one such crop Which is grown in India.



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4. List out some useful traits in improved crop ?



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## Additional Questions Long Answer Questions

1. Explain the role of the sun in the formation of soil. Justify "Dust is a pollutant."



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# Additional Questions Very Short Answer Questions

1. Name the revolution which led to the increase in foodgrain production.



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2. What does food supply ?



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3. State how berseem, oats or sudan grass are used by farmers ?



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4. Name some fodder crops.



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[Additional Questions Short Answer Questions](#)



1. How does *Bos indicus* differ from *Bos bubalis* ?



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**Additional Questions**   **Long Answer Type Questions**

1. Define the following :

(a) Milch animals



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**2. Define the following :**

Draught animals



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**3. Define the following :**

Sustainable agriculture



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4. Define the following :

White revolution



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5. Define the following :

Fodder crops



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