



INDIAN SCHOOL AL WADI AL KABIR

Class: IX	Department: Science 2020 -2021 SUBJECT : BIOLOGY	DATE OF COMPLETION 14TH MAY 2020
Worksheet No:1(B)	Topic: Biology Improvement in food resources	Note: A4 File Format
Name of student:	Class & Sec:	Roll no:

I.Objective type questions:

1.Multiple choice questions:

a)Which one of the following is an Italian bee species?

- i) Apis mellifera ii)Apis dorsata iii)Apis florae iv)Apis cerana indica

b)Fish is the cheapest source of:

- i)Fats ii)Lipids iii)Carbohydrate iv)Protein

c)Inland fisheries refers to:

- i)Collection of pure fish seeds from seawater ii)Capturing fish from sea coast
iii)Culturing fishes in sea water iv)Rearing fishes in freshwater resources

2.In the questions that follow ,Assertion statement and Reason have been given.Choose the correction option from the following:

i)Both Assertion and Reason are correct and Reason is the correct explanation of Assertion.

ii)Both Assertion and Reason are correct but Reason is not the correct explanation of Assertion.

iii)Assertion is true but Reason is false.

iv)Assertion is false but Reason is true.

a)Assertion :The feed for layers include supplements of calcium.

Reason :Layers are reared for meat.

b)Assertion :Floor of a good cattle shed should be sloping.

Reason :Vaccinations are given to prevent diseases in cattle.

c)Assertion:Italian bee variety is used for commercial honey production.

Reason :Honey collecting capacity of Italian bees is very high.

II. Very short answer type questions. (1 mark)

1. Define lactation period.
2. What is pasturage?
3. List any two desirable traits considered for improvement of poultry varieties .

III. Short answer type I questions. (2 marks)

1. What are the qualities of a good cattle shed?
2. Why is paddy cum fish farming called an integrated method of farming?
3. How is pasturage related to honey production?
4. Differentiate between milch animals and draught animals.

IV. Short answer type II questions. (3 marks)

1. Cross breeding is used to improve cattle breeds. Justify this statement.
2. Briefly explain composite fish farming. State its advantages.
3. What are the food requirements of dairy animals? Explain.

V. Long answer type questions. (5 marks)

1. What is animal husbandry? Briefly explain the management practices in cattle farming.
2. Briefly explain protection management of poultry.

VI. PREVIOUS YEAR QUESTIONS

1. Give any two examples for surface feeders. (1)
2. What is the difference between capture fisheries and culture fisheries? (2)
3. Differentiate between broilers and layers and state the difference in their feed management. (3)
4. Give a brief account of composite fish farming. (5)

SOLUTION FOR THE WORKSHEET

I.Objective type questions:

1.Multiple choice questions:

- a) i)Apis mellifera
- b) iv)Protein
- c) iv)Rearing fishes in freshwater resources

2.In the questions that follow ,Assertion statement and Reason have been given.Choose the correct option from the following:

- a) iii)
- b) ii)
- c) i)

II.Very short answer type questions. (1 mark)

- 1.The duration of milk production in cows after the birth of a calf.
- 2.The flowers available for honey collection is called pasturage.
- 3.Any two desirable traits considered for improvement of poultry varieties are:
 - i)Good quality chicks
 - ii)low maintenance requirements.

III.Short answer type I questions. (2 marks)

- 1.The qualities of a good cattle shed are:
 - i)Strong roofs and proper ventilated walls.
 - ii)Sloping floors for easy cleaning.
- 2.Rearing of fishes in water stagnant paddy fields along with paddy cultivation is called paddy cum fish farming .So it is called an integrated method of farming
- 3.Quality and taste of honey depends on the flowers available for nectar collection.Flowers available for honey collection is called pasturage.
- 4.

Milch animals	Draught animals
Cattle reared for milk production are called milch animals.	Cattle reared for labour is called draught animals.

IV.Short answer type II questions. (3 marks)

1.Indigenous cattle breeds have higher resistance and better adapted to local conditions.Exotic breeds have high milk yielding capacity.Cross breeding of these produce improved varieties of cattle.

2.Composite fish farming is an aquaculture method where two or more fish varieties are reared in the same pond at the same time.

Its advantages are : -

a) Multiple variety harvest

b) All the resources are used effectively without any competition among the different fish varieties as their feeding habits are different.This helps in getting a good yield.

3.The food requirements of dairy animals are -Maintenance requirement and milk production requirement. Maintenance requirement is to keep the animal healthy and Milk production requirement is for its milk production.

V.Long answer type questions. (5 marks)

1.The scientific management of breeding ,feeding and caring of animals is called animal husbandry

The management practices in cattle farming are :

i)Breeding-Cross breeding of indigenous and exotic varieties is done to get improved varieties.

ii)Feeding -The cattle feed includes concentrates and roughage.Concentrates are rich in proteins and roughage is rich in fibres.

iii)Caring -It includes providing a proper shed for shelter and protection of cattle from diseases .Diseases are prevented by providing proper feed and maintaining cleanliness of shelter and the animal .Control of diseases is mainly through medications.

2.Protection management of poultry includes prevention and control of diseases.

To prevent diseases :

i)The birds are given appropriate balanced rations

ii)Proper hygiene of the birds and their housing is maintained.

iii)Vaccinations are given.

To control diseases:

i) Infected fowls are isolated.

ii) Proper medical advice is taken and medications are given accordingly.

VI. PREVIOUS YEAR QUESTIONS

1. Catla and silver carp.

2.

Capture fisheries	Culture fisheries
Capture fisheries is obtaining aquatic products directly from the natural resource.	Culture fisheries is farming fishes and other aquatic organisms in manmade confinements.

3. Broilers and layers

Broilers	Layers
Bird reared for meat are called broilers	Birds reared for egg are called layers

The difference in the feed management of broilers and layers are:

The feed for broilers are rich in fats, proteins and Vitamins A and K.

The feed for layers have additional supplements of minerals like calcium for the egg production.

4. Composite fish farming is an aquaculture method where two or more fish varieties are reared in the same pond at the same time.

Its advantages are :-

- Multiple variety harvest

- All the resources are used effectively without any competition among the

different fish varieties as their feeding habits are different. This helps in getting a good yield.

Disadvantage - As all the fish varieties lay eggs at the same time, the eggs get mixed and so collection of good quality seeds become difficult. To overcome this, fishes are made to breed through hormonal stimulation and thus good quality seeds are collected.

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