

QB365

Important Questions - Improvement in Food Resources

9th Standard CBSE

Science

Reg.No. :

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Time : 01:00:00 Hrs

Total Marks : 50

Section-A

- 1) Which one of the following is a fodder crop? 1
(a) Berseem (b) Linseed (c) Gram (d) Maize
- 2) The tabi season crop is 1
(a) paddy (b) maize (c) wheat (d) cotton
- 3) Which one of the following is micro-nutrient? 1
(a) Zinc (b) Calcium (c) Magnesium (d) Sulphur
- 4) Which one of the following sets of plants includes weeds only? 1
(a) Amaranthus, Xanthium, Paddy (b) Xanthium, Parthenium, Triticale
(c) Xanthium, Parthenium, Cyperinus (d) Oat, Amaranthus, Chenopodium
- 5) For mixed cropping which combination of crop generally not used? 1
(a) Wheat + maize (b) Wheat + gram (c) Wheat + mustard (d) Groundnut + sunflower
- 6) Which cattle breeds would you select for long lactation period? 1
(a) Brown swiss + sahiwal (b) Jersey + brown swiss (c) Red sindhi + sahiwal (d) Red sindhi + jersey
- 7) Catla, Rohu and Mrigals constitute 1
(a) marine fish (b) brackish water fish (c) fresh water fish (d) both (a) and (b)
- 8) Which one of the following is known as rock bee? 1
(a) Apis cerana (b) Apis dorsata (c) Apis florea (d) Apis mellifera
- 9) A piaries are established for 1
(a) flower production (b) apple production (c) honey production (d) fish production
- 10) Which variety of honey bee have high honey collection capacity? 1
(a) Italian bee (b) Little bee (c) Rock bee (d) Indian bee

Section-B

- 11) What is mariculture? 2
- 12) State one importance of photoperiod in agriculture. 2
- 13) What is vermicompost? 2
- 14) Choose the odd one: 2
Mulletts, bhetki, prawns, pearl spots.
- 15) Differentiate between layers and broilers. 2

- 16) What have forced to change land use and imposed excessive demand on natural resources? 2
- 17) Name three fodder crops. 2
- 18) Name four Kharif season crops. 2
- 19) Name four rabi season crops. 2
- 20) Write one way by which desirable characters can be incorporated into crop variety. 2

Section-C

- 21) a) List the carp fishes which are exotic and transported from China in our country. 20
- b) In which period of the year carp fishes breed?
- 22) List the steps involved in fish seed production by induced breeding technique. 20
- 23) How are fish obtained? 20
- 24) In large part of india most farmers use wells and tube wells for irrigation .There was a time when they used to dig very low to draw ground water.Now they have to dig more deep wells to tap water from the deeper strata and then lift water by pumps for iirrigation This is due to lowering of ground water level.Ground water level.Ground water is the rainwater that seeps through the soil and collects over non-porus rocks. Think over the information given above and answer the following questions. 20
- 1.Why does ground water level is decreasing?
- 2.How can we recharge ground water level?
- 3.What can we do in this regard?

Section-A

- 1) (a) Berseem 1
- 2) (c) wheat 1
- 3) (a) Zinc 1
- 4) (c) Xanthium, Parthenium, Cyperinus 1
- 5) (a) Wheat + maize 1
- 6) (b) Jersey + brown swiss 1
- 7) (c) fresh water fish 1
- 8) (b) Apis dorsata 1
- 9) (c) honey production 1
- 10) (a) Italian bee 1

Section-B

- 11) 2
- Cultivation of marine fishes like mullets, pearl spots,etc in coastal waters of India on commercial scale is known as mariculture.
- 12) Photoperiod is important for the growth of plants and flowering. 2

13) 2

Vermicompost is a kind of manure prepared by using earthworms to hasten the process decomposition of plants and animals refuse

14) Prawns is the odd one (except prawns all the other are finned fishes, while prawns are shellfish) 2

15) 2

Layers	Broilers
Layers are egg-laying birds, managements for the purpose of getting eggs	Broilers are maintained for getting meat
Layers start producing eggs at the age of 20 weeks. so they are kept for layer periods that depends upon laying period	They are raised upto 6-7 weeks in poultry farms and then sent to market to meat production
They require enough space and adequate lighting	they require conditions to grow fast and low mortality
They require restricted and calculated feed with vitamins minerals and micronutrients	Their daily food requirements is rich in protein and vitamin-A and K.the fat content also should be adequate

16) 2

Increasing needs and aspirations of fast increasing human population, have forced to change land use and overexploitation of natural resources.

17) Berseem, oat and sudan grass. 2

18) Kharif season crops-Paddy, maize, cotton, urad / moong. 2

19) Gram, mustard, peas and linseed are rabi crops. 2

20) Hybridisation 2

Section-C

21) (a) (i) Silver carp (ii) Grass carp and (iii) Common carp 20

(b) The carp fishes breed only in rivers in monsoon months i.e., from July to August.

22) Following steps are involved in fish seed production by induced breeding technique: 20

- (i) Use inducing agents.
- (ii) Selection of healthy brooders.
- (iii) Admission of hormones by injection.
- (iv) Releasing sets of brooders in breeding in breeding pool
- (v) Collection of eggs
- (vi) Hatching
- (vii) Post care of fish seeds in nursery and rearing ponds.
- (viii) Spawning
- (ix) Transfer of fingerlings in stocking ponds.

23) 20

Fish is obtained from natural resources. This method of obtaining fishes is called capture fisheries. Fish is also obtained by fish farming.

1.The ground water is constantly used for irrigation and for human use sufficient rainwater is not avail to recharge the ground water.

This situation has occured due to deforestation and axing the trees in urban and rural areas Trees facilitate to seep rainwater into sail that reaches to ground water reserviour .Trees check the speed of flowing rainwater .Thus,they provide sufficient time to percolate in to the soil.

2.We can reground water bycharge

(a) afforestation planting more trees in urban and rural areas and (b) resitriktion on cutting trees.

(b) Building small chevk-dams which stop the rainwater from flowingaway and lead to an increase in ground water levels.

3.(i) We can organise campaigns for crediting awarness among masses about the value of ground water level, methods that can be used to recharge ground water level,methods(ii) that can be used to recharge ground water and stop depletion of ground water.

(ii) With the help of teaches we can make soak pits to recharge ground water with the rainwater.

