

BAF Shaheen College, Kurmitola

Half Yearly Examination-2020

English Version

Class: VII

Subject: Agriculture Studies (Creative)

Total time: 2.30 hours

Total marks:70

Answer any 7 questions. Each Question carries 10 marks

1. Alimia is a conscious farmer. Every year he cultivated rice, wheat, potato etc. But recent time due to drought and less fertility of land his production does not goes in satisfied level. He went to local agriculture officer. Officer suggests him to use different modern agricultural technology. He also suggests him to use organic manure and green manure.

- a) What is supplementary feed? 1
- b) Describe what is green manure? 2
- c) Which benefits will Ali mia get by using organic fertilizer? 3
- d) How can Ali mia can prepare compost. Explain it with your opinion. 4

2. Agriculture teacher of class seven told the importance of essential plant nutrients. He said that different essential element plays important roles in growth and development of plants. He also mentioned that some elements required in small amount and some elements required in large amount.

- a) How many essential elements are essential for plant? 1
- b) Describe why nutrition elements are very essential for plant? 2
- c) What are the main sources of above mentioned plant nutrients? 3
- d) Analyze the importance of macro and micro nutrients in case of growth and development of plants.4

3. Agriculture officer Mr. Arif told the farmer about different type of organic fertilizer and pesticides with its classification and importance. He told about the disadvantage of using chemical pesticides and advantage of using organic pesticides and fertilizer.

- a) What is pesticide? 1
- b) Why we use pesticides in the crop fields? 2
- c) From which sources can we get organic pesticides? Discuss it on the context of the passage. 3
- d) Which type of pesticides are harmful for the crops and why? Explain. 4

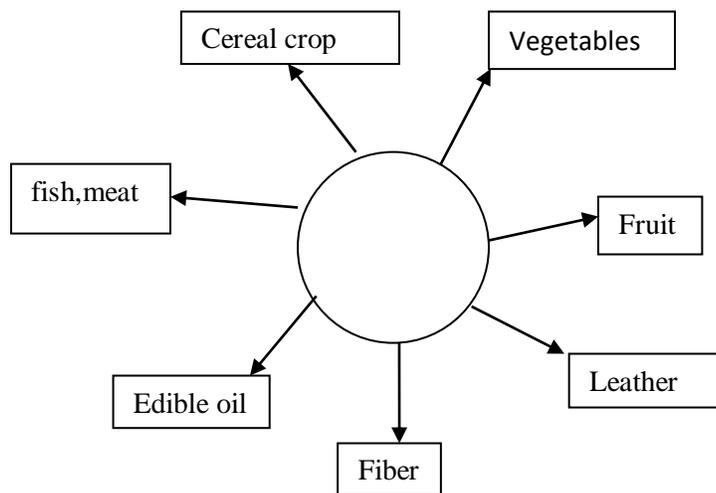
4. Rakib's uncle is a social scientist. One day he came to Rakib's residence. Rakib's knows many things about human civilization from his uncle. His uncle told that in ancient time family was started by centering women.

- a) What is a season neutral crop? 1
- b) Explain the reason why ancient people flock together? 2
- c) Describe how family becomes the centre of everything in ancient time? 3
- d) Evaluate agriculture was started by observing the nature. 4

5. Kader mia has cultivated rice on his 5 bighas of land. Every year he gets a good production. But in this year he does not get a good production. There are some rat holes on his field. He take suggestion from the local agriculture officer and try to increase the efficiency of irrigation.

- a) How the irrigation water waste in Kader mia's field ? 1
- b) Write down the name of five important irrigation project in Bangladesh. 2
- c) Describe how the irrigation water wasted by rat holes? 3
- d) How Kader mia can increase the effectiveness of irrigation in his field explain. 4

6.



- a) Which is a medicinal plant? 1
- b) How the agriculture started? 2
- c) Explain the dependence of human being on agriculture according to the stem. 3
- d) Explain –modern civilization is depends on agriculture. 4

7. Modhumia is a conscious farmer. Every year he cultivated rice, wheat, potato etc. But recent time due to drought and less fertility of land his production does not goes in satisfied level. He went to local agriculture officer. Officer suggests him to use different modern agricultural technology. He also suggests him to use organic manure and green manure.

- a) What is supplementary feed? 1
- b) Describe what is green manure? 2
- c) Which benefits will Modhumia get by using organic fertilizer? 3
- d) How can Modhumia can prepare compost. Explain it with your opinion. 4

8. Different types of vegetables such as gourd, bean, cauliflower, cabbage, tomato etc. are available in adequate quantities in a particular agricultural season in our country. Again, in the same season, the farmers' mind was delighted for new field crops. They enjoys Nabanna festival and the village fair. Village fair become the economic, social and Cultural occasion for the farmers.

- a) What is the name of that season? 1
- b) Why bananas and papaya are called season neutral fruits? Explain. 2
- c) Describe the cultural occasion which is mentioned in the stem. 3
- d) Analyze the last statement mentioned in the stem. 4

9. Samaun cultivates winter vegetables in fallow land in front of his homestead. After some days, he saw that some plants get wilted due to the lack of water. He gave plenty of water to the land in the flood irrigation system. The trees become normal but after a few days, some trees had died.

- a) What is water drainage? 1
- b) Describe the purpose of water drainage. 2
- c) Explain-Which method Samaun should follow to irrigated the vegetable field? 3
- d) "Some plants died due to excess water and wrong method of irrigation"-analyze the statement. 4

10. The farmers of Agorpur village produce crops in season in a year. As a result they suffer food crisis and economic problem also. After realizing the fact local agriculture officer make a meeting with them and give them idea about agricultural diversification.

- a) What is field crop? 1
- b) Why agricultural diversification reduces in our country? 2
- c) Describe the agricultural diversification of our country 3
- d) Analyze how the farmers of agorpur village utilize the agricultural diversification? 4

11. Mr. Hafeez a farmer managed 20 decimal of land and observed that in this rice crop tillers are not coming out as expected. The crop field is infested with insect pest. People suggests Hafezz to apply chemical fertilizer and pesticides. He ignored the suggestions and was a loss. But in the next year from the very beginning to the end of the cropping he applied compost and was successful.

- a) What is a micro nutrient? 1
- b) Explain the usefulness of keeping a trench vacant while producing compost through trench method. 2
- c) Describe the function of nitrogen, phosphorus and potassium in case of plant growth and development. 3
- d) Describe with picture how Hafez mia produce the compost in trench method. 4

10. Which is a wet fiber rich feed?

- a) Silage
- b) Rice straw
- c) Carrot
- d) wheat straw

11. Soil texture is improved due to –

- a) Organic manure
- b) Inorganic manure
- c) Pesticide
- d) Insecticide

12. Which is a leguminous crop?

- a) Dhaincha
- b) Mango
- c) Jackfruit
- d) Mahogany

13. Allamanda leaf extract is effective against-

- a) Bacteria
- b) Virus
- c) Fungi
- d) Nematode

14. Which is a organic pesticide?

- a) Garlic extracts
- b) Kerosin
- c) Malthion
- d) Sumithion

15. Microbial activity of soil is increased due to-

- a) Green manure
- b) Insecticide
- c) Pesticide
- d) Compost

16. Which is not a source of protein?

- a) Pulse
- b) Oil cake
- c) Molasses
- d) Blood meal

17. Which method is suitable for crops being raised in lines?

- a) Flood irrigaion
- b) Furrow irrigatin
- c) Border irrigation
- d) Drip irrigation

18. Which method is suitable for fruit garden?

- a) Flood irrigaion
- b) Furrow irrigatin
- c) Border irrigation
- d) Circular irrigation

19. Which method is similar to rainfall?

- a) Flood irrigaion
- b) Furrow irrigatin
- c) Border irrigation
- d) Sprinkler irrigation

20. Which increases the aeration in soil?

- a) Irrigation
- b) Drainage
- c) Nutrient
- d) Fertilizer

21. Which activities can solve the lack of dissolved oxygen in water?

- a) Copper sulphate
- b) Fitkiri
- c) Swimming in the pond
- d) Application of lime

22. Which can make the water clean and transparent?

- a) Copper sulphate
- b) Fitkiri
- c) Swimming in the pond
- d) Application of lime

23. What is the acceptable p^H range for fish cultivation?

- a) 6.5-7.5
- b) 6.5-8.5
- c) 6.5-9.5
- d) 5.5-6.5

24. Which is the center of food and security?
a) Society b) Family
c) State d) Government
25. Which have the role in society formation?
a) Agriculture b) Labor division
c) Care of the crops d) Increase yield
26. How many agricultural seasons are there?
a) 3 b) 6
c) 9 d) 12
27. How did people solve the problem in the early society?
a) By self effort b) Togetherly
c) By the government d) By the state
28. What is the sowing time of jute seed?
a) Mid Chaitra to mid Baishakh
b) From the beginning of Chaitra till the end of Baishakh
c) Bhadra-Ashwin
d) Falgun - Chaitra
29. Which of the following medicinal plants?
a) Aloe vera b) Amlaki
c) Garlic d) All of the above
30. Which type of duck is popular for egg production?
a) Swan b) Khaki Campbell
c) White leghorn d) Jending