

**BAF Shaheen College, Kurmitola**  
**Model Test Examination-2020**  
**English Version**

Class: X

Subject: Agriculture Studies (Creative)

Total time: 2.10 hours

Total marks:50

Answer any 5 questions. Each Question carries 10 marks

1. Mr. Ali saw new HYV wheat in the land of his friend, Jasim and he decided to cultivate it. Next season he collected seed from his friend for cultivation. He took 100 gm seed for testing the moisture content of the seeds. After testing the moisture content he found 90 gm weight of the seeds. After germination and vitality test he cultivated wheat and got good yield.

- |   |   |
|---|---|
| a) What is soil?  | 1 |
| b) The less is the value of FCR, the more is the quality of food. Explain it. | 2 |
| c) Determine the moisture percentage of Mr. Ali's tested seed.                | 3 |
| d) Evaluate the procedure of Mr. Ali's seed testing.                          | 4 |

2. Riad established a farm with 4 pregnant cow. Local livestock officer advised him feed algae instead of oil cake and teach him its production and feed technique.

- |  |   |
|--|---|
| a) What is algae?                                    | 1 |
| b) Why feed is provided at the evening for shrimp?   | 2 |
| c) Explain how Riad make his cow's food.             | 3 |
| d) Evaluate the logic of livestock officer's advice. | 4 |

3. Abid Hossain will grow vegetables. He wants suggestion from agriculture officer. Agriculture officer advised him to prepare land properly at first. He states work accordingly.

- |  |   |
|--|---|
| a) What is soil erosion?   | 1 |
| b) What is the type of soil in barind tract?   | 2 |
| c) Explain the objectives of the given suggestion of agriculture officer.  | 3 |
| d) Evaluate the influence of the agriculture officer's suggestions in implementing the decision of Abid Hossain. | 4 |

4. The farmer Sumon Mia was very much motivated by watching the techniques of rice fish integrated culture broadcasted on ATN TV in the name of "Hridoy a mati o manus". After that he consulted with an agriculture officer to know the details and accordingly prepared his land. As such, he was able to earn additional income.

- |  |   |
|--|---|
| a) In case of duck fish integrated culture, what would be the size of the fingerlings? | 1 |
| b) Why grass carp is not suitable to introduce in rice fish integrated culture?        | 2 |

c) Describe how Sumon mia prepare his land to adopt the technology? 3

d) The decision taken by Sumon mia was very timely and maximize utilization of land-analyse the statement.

5. Rupom's father is a farmer. He has cultivated Jute in one acre of land. A type of insect eats all the leaves of jute plant when jute plants become medium type. He found this insects in different locations including ails of the land. He went to the agriculture officer. The agriculture said this would not happen, if measures are taken at the beginning of the attack.

a. Write the name of two jute variety. 1

b. How is jute rafted in places without water bodies? 2

c. Explain the control measures of the insects which attacked Rupom's father's field. 3

d. Evaluate the statement of the agriculture officer. 4

6. Afzal Hossain cultivated paddy in his field. But he did not earn profit. As a result he started preparing the land for banana cultivation according to the advice of agriculture officer. He gave organic and chemical fertilizer in necessary amount. He watered the plants and took proper care of the land.

a) Write the name of two varieties of banana? 1

b) Explain the technique of selecting banana saplings. 2

c) Determine the amount of fertilizer and technique of applying fertilizer in Afzal Hossains cultivation on banana. 3

d) Analyze the possibility of gaining profit in Afzal Hossains endeavour. 4

7. A mahogany tree of 35 years old, fell down by a storm. The owner Tara mia cut the small branches to get a wood log of 08 meters length, the circumference of the log at the broader end is 3 meter, the middle is 2.5 meter and the narrow end is 2 meter respectively. After just a week, he prepared some furniture by the wood obtained from the log, but within a short time his furniture was started to damage.

a) Define nursery. 1

b) What do you mean by a "growing stock"? 2

c) Determine the volume of wood log obtained by Tara mia. 3

d) Analyze the causes of damage of the furniture prepared by Tara Mia within a short time.4

8.

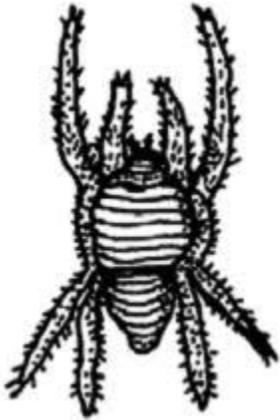


Fig. A

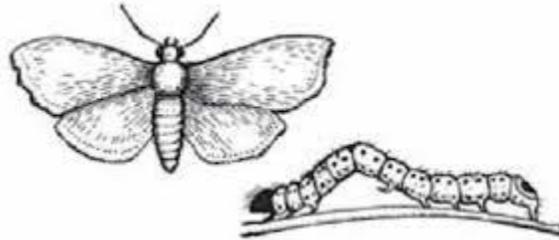


Fig. B

- a) How many types of mites are found in jute field? 1
- b) Write the brief about thinning jute crop. 2
- c) What symptoms are found in jute plants by the infestation of insect in figure. B 3
- d) The control measures of the two insects of the pictures are quite different-analyse the statement. 4

## Model Test Examination-2020

Class: X

Subject: Agriculture Studies (MCQ)

Total time: 25 minutes

Total marks:25

1. Which one of the following plant to complete the life cycle in coastal area?
  - a) Cotton
  - b) sugar beet
  - c) bean
  - d) goal pata
2. What is to be provided for the domestic animals during drought?
  - a) Dry straw
  - b) Urea
  - c) Grass
  - d) Urea molasses
3. How much Tosa jute has BJRI invented?
  - a) 12
  - b) 15
  - c) 17
  - d) 20
4. In which region of Bangladesh forest lands are least?
  - a) East
  - b) West
  - c) North
  - d) South
5. In which forest is human influence the most?
  - a) Plain land
  - b) Mangroove
  - c) rural
  - d) Hilly
6. Which of the forest has a total area of 7.50 lac hectaress?
  - a) Agro forest
  - b) Mangroove
  - c) Local forest
  - d) Hilly
7. Which of these plants has aerial roots?
  - a) Sundari
  - b) Sal
  - c) Mahogony
  - d) Raintree

8. Which crop is propagated by tuber?

- a) Banana
- b) Ginger
- c) Potato
- d) Pineapple

9. Which one is responsible for leaf spot of black gram?

- a) Oidium
- b) Spirogyra
- c) Rhizobium
- d) Cercospora

10. How many types of seedbed are prepared for raising rice seedling?

- a) 2
- b) 3
- c) 4
- d) 5

11. Which variety of crop is Tori-7?

- a) Rice
- b) Wheat
- c) Maize
- d) Mustard

12. How many types of nursery based on media?

- a) 2
- b) 3
- c) 4
- d) 5

13. In how many ways wood can be seasoned?

- a) 1
- b) 2
- c) 3
- d) 4

14. During which months are the seeds of the jhao plant collect?

- a) January-February
- b) March-April
- c) May-June
- d) July-August

15. Dudsar is the variety of-

- a) Mustard
- b) Banana
- c) Jute
- d) Rice

16. Which one is the variety of rose?

- a) Diamond
- b) Black prince
- c) Gold king
- d) Massacre

**Read the following passage and answer to the question no. 17-18.**

Abul mia has a piece of low land. Local agriculture officer says that his land is suitable for rice cultivation. He advises to apply organic matter to maintain fertility of his land.

17. Which fertilizer does the agriculture officer advise to use?

- a) Nitrogen      b) Mixed fertilizer
- c) Compost      d) Potassium

18. Agriculture officer says Abul mia to cultivate in his land-

- i. boro rice
- ii. deep water rice
- iii. aus

Which one is correct?

- a) i and ii                      b) i and iii
- c) ii and iii                    d) i, ii and iii

19. In which area contour method is adopted?

- a) Top of the hill
- b) Bottom of the hill
- c) Slope of the hill
- d) High and low land

20. The seeds with a shorter duration of germination are-

- i. coconut
- ii. garjan
- iii. jackfruit

Which one is correct?

- a) i and ii
- b) i and iii
- c) ii and iii
- d) i, ii and iii

21. How many months of jail term for the contravening the forest act?

- a) 6
- b) 7
- c) 9
- d) 12

22. What should be the germination percentage of good seed?

- a) 50
- b) 60
- c) 70
- d) 80

23. What is the main reason of soil erosion?

- a) Tidal surge
- b) Flash flood
- c) Rainfall
- d) Zoom cultivation

24. Where does soil erosion due to wind occur?

- a) Khulna
- b) Rajshahi
- c) Barisal
- d) Bogra

25. What type of feed is silage?

- a) Vitamin
- b) Concentrate
- c) Fiber
- d) Liquid