

I UNIT TEST 2017-18
SUBJECT: SCIENCE II

DATE: 11/08/2017

MARKS: 25

STD: XII

TIME: 1 HR 15 MINS

Q1 Choose the correct alternative and rewrite the sentence: 5

1. The recombination of characters in a dihybrid cross is related to _____ .
 - a. Law of dominance
 - b. Incomplete dominance
 - c. Codominance
 - d. Independent assortment
2. In artificial insemination _____ is used for injection.
 - a. Ova
 - b. Semen
 - c. Blood
 - d. Lymph
3. Part of the brain associated with emotions is called _____ .
 - a. Frontal cortex
 - b. Amygdala
 - c. Cerebrum
 - d. cerebellum
4. The cells active in production of antibodies are _____ .
 - a. Kupffer cells
 - b. Plasma cells
 - c. Mast cells
 - d. Langerhans cells
5. What is the replication of DNA in prokaryotic cells called?
 - a. Alpha replication
 - b. Beta replication
 - c. Theta replication
 - d. Gamma replication

Q2. Answer any 4 of the following: 8

1. What is a genetic code? What role does it play in the protein synthesis?
2. Why should the practices of animal husbandry be studied?
3. Explain the unique features of acquired immunity.
4. Write a note on rRNA.
5. Explain the significance of test cross.

Q3 Answer any 4 of the following: 12

1. Explain the experiments performed by Avery, Macleod and McCarty.
2. What is codominance? Explain it with the help of a suitable example.
3. Describe the mechanism of action of T-lymphocytes upon attack by an antigen.
4. Write a note on ringworm.
5. Explain in short, poultry management.