

SEAL

**V/O/R/EXAMS
2020**

800015

ANIMAL HUSBANDRY & VETERINARY SCIENCE

PAPER—II

Time : 3 hours]

[Full Marks : 200

- Notes :** (i) Answer the questions as directed.
(ii) The figures in the right-hand margin indicate full marks for the questions.

1. What do you mean by Heritability? Write in brief about different methods of heritability estimates. 2+8=10
2. What is meant by Selection? Write different methods of Selection. 2+8=10
3. What is Selection Index? Explain the method. 2+8=10
4. What is Variation? Explain in brief about different components of variation. 2+8=10
5. Enumerate various reasons of underdevelopment in Animal Husbandry Sector in North-Eastern Region. 20
6. Write in detail, the general construction and layout of an abattoir. 10+10=20
7. Write down in detail, different quality control tests that are carried out in a milk plant to check the quality of raw milk for selection for further processing. 10
8. What are the basic principles involved in collection, processing and preservation of hormonal glands for medical use? 10
9. Write the rule and qualities of extension worker. 10
10. Describe elaborately about operation Food. 10

SEAL

11. Explain the following :

5×8=40

- (a) Crossbreeding programme with merit and demerits
- (b) Meat hygiene practice
- (c) Differentiation of carcass of sheep and goat
- (d) Abattoir efficient treatment
- (e) Diseases and abnormalities in antemortem inspection
- (f) Treatment of animal prior to slaughter
- (g) Role and qualities of extension workers
- (h) Livestock insurance

12. Write short notes on :

5×8=40

- (a) Nutritive value of milk
- (b) Flowchart representation for manufacture of Mozzarella cheese
- (c) Flowchart representation for manufacture of ghee
- (d) Hormonal gland for medicinal use
- (e) Edible and inedible offals
- (f) Importance of zoonosis
- (g) Uses of by-products such as buttermilk and casein for preparation of value-added products
- (h) Hardy-Weinberg law