



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(Ag)-Hons-2022

Course Name – Livestock and Poultry Management-II

Course Code - CC-BAG478(T)

(Semester IV)

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Recall, Saliva secreted in the mouth acts to digest-
- | | |
|------------|-------------|
| a) Protein | b) Starch |
| c) Fat | d) Vitamine |
- (ii) Which surface of Epithelial cell of the intestine involved in food absorption ?
- | | |
|-----------------------|---------------------|
| a) pynocytic vesicle | b) Zymogen granules |
| c) Phagocytic vesicle | d) Microvillii |
- (iii) Which part of the digestive organ secrete pepsin
- | | |
|------------------|-------------|
| a) Liver | b) Pancreas |
| c) Thyroid gland | d) Stomach |
- (iv) Which juices secreted from the digestive organs helps in the digestion of fat.
- | | |
|---------------------------------|------------------------------|
| a) Pancreatic juice , Saliva | b) Hydrochloric acid,mucus |
| c) Bile juice, pancreatic juice | d) Saliva, Hydrochloric acid |
- (v) Where the Bile juice is formed ?
- | | |
|-----------|-------------------|
| a) Kidney | b) Salivary gland |
| c) Lung | d) Liver |
- (vi) Which part of the ruminants stomach has honeycomb appearance
- | | |
|-----------|--------------|
| a) Rumen | b) Reticulum |
| c) Omasum | d) Abomasum |
- (vii) Tell, nonruminants that have a digestive system where special organs soften, crush, and grind feed are
- | | |
|----------|-----------|
| a) Swine | b) Equine |
| c) Avian | d) canine |
- (viii) Where the digestible portion of feed for ruminants is absorbed ?
- | | |
|--------------|--------------------|
| a) Rumen | b) Small intestine |
| c) Reticulum | d) omasum |
- (ix) After digestion, the protein is diverted in to

- a) Glucose
c) Amino acid
- b) Sucrose
d) Fat
- (x) Which of the following feeds is highest in total digestible nutrients (TDN)?
- a) sudangrass
c) soybean meal
- b) silage
d) coastal bermuda
- (xi) A method of animal identification that is puncture in the skin of numbers or letters is known as:
- a) Freeze brand
c) Hot brand
- b) Ear tag
d) Tattoo
- (xii) Among the following which is not used to control the head and neck of animals?
- a) muzzle
c) halter
- b) cradle
d) trevis
- (xiii) The nutrient which is needed in largest quantity by the animals is
- a) protein
c) carbohydrate
- b) fat
d) minerals
- (xiv) Area between the nostrils, which is generally hair-less and black in colour is called --
- a) Muzzle
c) Cheeks
- b) Muffle
d) Jowl
- (xv) Which one of these is not needed for layout plan for dairy cattle housing
- a) Heifer shed
c) Kidding shed
- b) Calving pen
d) Down calver shed
- (xvi) In which shed the chicks are kept between 0 6 weeks
- a) Grower shed
c) Brooder shed
- b) Broiler shed
d) Layer shed
- (xvii) Which action is easier in head to head type of cattle shed
- a) Cleaning gutters
c) Feed distribution
- b) Supervision of milking
d) Detection of injury on hind quarters
- (xviii) Metal nose ring are used in cattle for -
- a) Ornaments of a cow
c) control of rough Bulls
- b) Respiratory distresses
d) identification mark
- (xix) The record of the ancestors of a particular animal is recorded in its:
- a) Performance record
c) Pedigree
- b) Phenotype
d) genetic map
- (xx) The process of placing sperm in the female reproductive track other than natural mating is
- a) Embryo transfer
c) Estrous synchronization
- b) Pregnancy testing
d) Artificial insemination

Group-B

(Short Answer Type Questions)

2.5 x
10=25

(Answer any Ten from the following)

2. What is pedigree selection? (2.5)
3. List the minerals commonly required in a chicken ration. (2.5)
4. What level of calcium should be fed in a chicken ration? (2.5)
5. Write down short notes on individual selection. (2.5)
6. Briefly explain the use of additives in chicken rations (2.5)
7. Write down the Desirable Characteristics of Nutrition. (2.5)
8. Write the brief notes on Rules of Thumb for Balancing Rations of Horse (2.5)
9. What is the difference in value between animal protein sources and plant protein sources? (2.5)

10. Fodder production for intensive Livestock farming (2.5)
11. Name the 10 essential amino acids. (2.5)

OR

Vaccination schedule of Cattle. (2.5)

Group-C

(Long Answer Type Questions) 5 x 1=5
(Answer any One from the following)

12. What is the function of water in an animal's body? (5)

OR

What is the difference between crude protein and digestible protein? (5)
