

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> year 2<sup>nd</sup> Semester Final Examination-2017**  
**Course Title: Food Hygiene and Veterinary Public Health**  
**Course Code: FHV-402**  
**Full Marks: 70, Time: 3 Hours**

(Figures in the right margin indicate full marks. Answer any **five** questions from each section. Use separate answer script for each section.)

**SECTION-A**

- |    |   |         |
|----|---|---------|
| 1. | a) Define Veterinary Public Health. Write down the importance of veterinary knowledge in public health.                   | 1+3     |
|    | b) Define zoonosis. List five bacterial, viral and helminth borne zoonotic disease.                                       | 1+2     |
| 2. | a) Define meat hygiene. Briefly describe the factors influencing carcass yield with dressed weight of food animal.        | 1+4     |
|    | b) What are the different mode of animal transport? Briefly discuss the public health risk of sick animal transportation. | 0.5+1.5 |
| 3. | a) Mention the task of meat hygiene. Discuss the different treatments of animals prior to slaughter.                      | 1+3     |
|    | b) What is abattoir and stunning? Write down the different principles to set up an abattoir.                              | 1+2     |
| 4. | a) What is food microbiology? List the different groups of bacteria important for food microbiology with example.         | 1+2     |
|    | b) Briefly discuss the chief compositional factors of food which influence food spoilage.                                 | 4.0     |
| 5  | a) Describe the different causes of flavor change and color of milk.  | 7.0     |
| 6  | a) Briefly discuss the preservation and spoilage of milk.   | 5.0     |
|    | b) What are the different off flavors of egg ?  | 2.0     |

**SECTION-B**

- |    |   |                 |
|----|---|-----------------|
| 7  | a) What is food borne disease? What are the major categories considered to develop as outbreak case definition?   | 1+3             |
|    | b) What are the objectives of food borne disease investigation?   | 3.0             |
| 8. | a) What is stunning? Which method of stunning is best and why?  | 1+2             |
|    | b) Describe the abattoir effluent treatment plant.  | 4.0             |
| 9. | a) Mention the judgement with cause(s) for following case<br>i) Rabies ii) Black quarter iii) Anthrax iv) Peste-des-Petits ruminants v) Newcastle disease | 1.4 X<br>5 =7.0 |
| 10 | a) What is coliform and indicator bacteria. Give example with importance.   | 1+2             |
|    | b) Symbiotic and metabolic relationship among microbes determine their growth on food-explain.  | 4.0             |
| 11 | a) Mention the HACCP practice of meat industry.   | 5.0             |
|    | b) List national and international agencies responsible for food control.   | 2.0             |
| 12 | a) Define curing, thermoduric, dehydro freezing, drip, leakage and food additive  | 3.0             |
|    | b) List some food additives   | 4.0             |

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> year 2<sup>nd</sup> Semester Final Examination-2017**  
**Course Title: Andrology and Clinical AI (Theory)**  
**Course Code: ACA-402**  
**Full Marks: 35, Time: 2 Hours**

(Figures in the right margin indicate full marks. Answer any **three (3)** questions from each section where question no. **5** is compulsory. Fractions of the questions must be answered together. Use separate answer script for each section.)

**SECTION-A**

1. a) Define puberty. What are the factors influencing the onset of puberty in a bull. 3  
b) Mention the name of best method for semen collection with your justification. 3  
Briefly describe the procedure of semen collection using that best method.
2. a) What are the factors responsible for infertility in male in our country? Briefly describe them. 4  
b) Enumerate the diseases and disorders of male genital system. 2
3. a) How do you evaluate the soundness of a bull to be used for breeding purpose? 3  
b) How do you perform AI in a broiler breeder? 3
4. Write down short note on any of two 3×2=6
  - i) Testicular degeneration
  - ii) Semen borne diseases
  - iii) Ridglings

**SECTION-B**

5. a) Mention the ideal characteristics of semen extender. 3  
b) Enlist the equipment's and appliances with their functions used in AI with frozen semen. 2
6. a) How is spermatic cord formed? 3  
b) Enlist the name of the major cells found in the testis and give their functions. 3
7. a) Justify the "fixed time AI" in cattle. 3  
b) Briefly describe the routine semen evaluation technique in a Upazila Veterinary hospital. 3
8. a) Write down the advantages and disadvantages of AI in cattle. 3  
b) Differentiate mass activity and motility of sperm. Enumerate methods of determination of sperm concentration in any semen sample. 3

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> year 2<sup>nd</sup> Semester Final Examination-2017**  
**Course Title: Pet and Companion Animal Medicine (T)**  
**Course Code: PAM-402 (Theory)**  
**Full Marks: 35, Time: 2 Hours**

(Figures in the right margin indicate full marks. Answer any **three (3)** questions from each section in which question no. **1 (one)** is compulsory. Fractions of the questions must be answered together. Use separate answer script for each section.)

**SECTION-A**

1.
  - a) Write down the most common Zoonotic diseases transmitted among human and dog and cats. 2.0
  - b) Propose a globally recognized vaccination schedule for dogs and cats. 2.0
  - c) Mention the trade name of vaccines for dogs and cats that are available in Bangladesh. 2.0
  - d) Write down the specific generic drug name that you have to use against tape worms, hook worms and heart worms. 2.0
  
2.
  - a) Write down the etiology, clinical signs, diagnosis and line of treatment of ringworm in dogs and cats. 4.0
  - b) As a veterinarian what precaution you should take during examination of ringworm affected dogs and cats and what are your advices to the patient owner? 1.5+1.5=3
  - c) Describe flea allergen dermatitis in dogs. 2.0
  
3.
  - a) Write down the full name of FLUTD. Mention the etiology, clinical signs and risk factors FLUTD. 4.0
  - b) Write down the line of treatment of FLUTD. 2.0
  - c) Write down the etiology, clinical signs, and line of treatment of snuffles in rabbit. 3.0

**SECTION-B**

4.
  - a) What is peritonitis? What is the etiology of FIP? Briefly describe the typical characteristics of wet form of FIP effusion. 3.0
  - b) Describe paracetamol poisoning in cats. 3.0
  - c) Write down the etiology and synonyms of tularemia. Briefly describe the clinical signs, diagnosis and treatment of it. 3.0
  
5.
  - a) Enlist important protozoal diseases of dogs and cats. Briefly describe the clinical signs, diagnosis and treatment of cryptosporidiosis in dogs. 3.0
  - b) A 12 years old cross-bred dog was bought to the SAQTVH with a history of anorexia, ocular and nasal discharges, coughing, vomiting and diarrhea. Clinical examinations revealed tremor and hyperkeratosis of foot pad. What would be your presumptive diagnosis? Write down the prescription based on your diagnosis. 3.0
  - c) Describe herpes virus infection in kitten. 3.0
  
6.
  - a) Write short notes on the following. 3×3=9
    - (i) Lyme disease in dogs.
    - (ii) Ricketts in dogs.
    - (iii) Allergic dermatitis in cats.

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> year 2<sup>nd</sup> Semester Final Examination-2017**  
**Course Title: Zoo and Wild Animal Medicine**  
**Course Code: ZWM-402 (T)**  
**Full Marks: 35, Time: 2 Hours**

(Figures in the right margin indicate full marks. Answer any **three (3)** questions from each section from which question no. 1 is compulsory. Fractions of the questions must be answered together. Use separate answer script for each section.)

**SECTION-A**

- |    |  |     |
|----|--|-----|
| 1. | a) Define zoo, safari park, wild life sanctuary and national park with example               | 4   |
|    | b) Enlist and define the categories for classification of wild life according to IUCN        | 3   |
| 2. | a) How will you differentiate alligator from crocodile and turtle from tortoise?             | 3   |
|    | b) List some important bacterial diseases of reptile with clinical signs and therapy.        | 3   |
| 3. | a) Write down the etiology, clinical findings, diagnosis and treatment of pyometra in a cow. | 3   |
|    | b) Prescribe the following diseases:   | 1x3 |
|    | a) Fowl Typhoid in a 15 kg BWT ostrich   | =3  |
|    | b) Pouch infection in a 70 kg BWT Kangaroo   |     |
|    | c) Tuberculosis in a 20 kg BWT rhesus monkey.  |     |
| 4. | a) Classify birds with example.  | 3   |
|    | b) How will you diagnose a case of avian salmonellosis? Plan a treatment protocol for it.    | 3   |

**SECTION-B**

- |    |  |   |
|----|--|---|
| 5  | a) Write down the etiology, transmission, routes of infection, clinical signs, post mortem lesion, diagnosis, treatment, prevention and control of feline pan leukopenia in Royal Bengal tigers. | 4 |
|    | b) Describe the etiology, clinical findings and treatment of salmon poisoning in a fox.  | 2 |
| 6. | a) How will you reduce the incidence of cannibalism in crocodiles in a commercial crocodile farm.  | 3 |
|    | b) Differentiate between Venomous and non- venomous snake?   | 2 |
|    | c) List 6 Venomous and non- venomous snakes in Bangladesh.   | 1 |
| 7. | a) Briefly describe musth. How will you restrain an elephant at the time of musth in a zoo?  | 3 |
|    | b) Describe the daily ration for an adult male elephant in captive management.   | 3 |
| 8. | a) Write down the etiology, clinical signs, diagnosis, prognosis and treatment of fascioliosis in dears.   | 3 |
|    | b) Describe the etiology and treatment of clubbed feet in an Ostrich.  | 3 |

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> year 2<sup>nd</sup> Semester Final Examination-2017**  
**Course Title: Animal Biotechnology**  
**Course Code: ABT-402 (T)**  
**Full Marks: 35, Time: 2 Hours**

(Figures in the right margin indicate full marks. Answer any **three** questions from each section from which question no. 1 is compulsory. Use separate answer script for each section.)

**SECTION-A**

- |    |    |   |     |
|----|----|---|-----|
| 1. | a) | What do you mean by biotechnology? Give a brief history of biotechnology.                 | 3.0 |
|    | b) | What are the possible uses of biotechnology in the field of livestock improvement?        | 2.0 |
| 2. | a) | Briefly describe the history of AI.   | 2.0 |
|    | b) | What are the advantages and disadvantages of AI?  | 2.0 |
|    | c) | Give the length of estrous cycle, estrus and time of ovulation of ewe, doe, cow and mare. | 2.0 |
| 3. | a) | What is diluent? Write down the characteristics of an ideal diluent.                      | 2.0 |
|    | b) | How do you physically evaluate the semen?   | 2.0 |
|    | c) | What is the procedure of semen storage in liquid nitrogen?                                | 2.0 |
| 4. | a) | What do you mean by MOET? Write down the steps of MOET in cattle.                         | 2.0 |
|    | b) | Describe the procedure of estrus synchronization of cow.                                  | 2.0 |
|    | c) | What are the applications of MOET?  | 2.0 |

**SECTION-B**

- |    |    |  |     |
|----|----|--|-----|
| 5  | a) | Write down the procedure of oocyte maturation for IVF.                             | 2.0 |
|    | b) | How do you do intracytoplasmic sperm injection ?                                   | 2.0 |
|    | c) | Write down the procedure of bovine embryo culture.                                 | 2.0 |
| 6. | a) | What are the areas of Genetic Engineering?   | 2.0 |
|    | b) | Write down the procedure of rDNA technology.                                       | 3.0 |
|    | c) | What do you mean by recombinant DNA?   | 1.0 |
| 7. | a) | Give a brief description about GMO.  | 2.0 |
|    | b) | What is transgenic animal? How do you produce a transgenic animal?                 | 2.0 |
|    | c) | Write down the potential benefits and harms of cloning.                            | 2.0 |
| 8. | a) | What kinds of problems have clonal animals experienced?                            | 2.0 |
|    | b) | What do you mean by bioinformatics? Write down the applications of bioinformatics. | 2.0 |
|    | c) | Write down about the software of bioinformatics.                                   | 2.0 |

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> year 2<sup>nd</sup> Semester Final Examination-2017**  
**Course Title: Agricultural Extension (Theory)**  
**Course Code: AEX-402 (T)**  
**Full Marks: 35, Time: 2 Hours**

(Figures in the right margin indicate full marks. Answer any **three** questions from each section. Where Question no 1 is compulsory. Use separate answer script for each section.)

**SECTION-A**

- |    |    |  |     |
|----|----|--|-----|
| 1. | a) | Define extension and agricultural extension.   | 2.0 |
|    | b) | Extension is a continuous educational process where both learner and teacher contribute and receive-Justify the statement. | 3.0 |
| 2. | a) | Classify extension teaching methods based on use with examples.  | 3.0 |
|    | b) | Differentiate between method demonstration and result demonstration.   | 3.0 |
| 3. | a) | What is leader and leadership?   | 1.0 |
|    | b) | Distinguish between local and professional leader.   | 3.0 |
|    | c) | Democratic leadership is always advantageous- Justify the statement.   | 2.0 |
| 4. | a) | State the importance of monitoring.  | 3.0 |
|    | b) | Differentiate between project monitoring and evaluation.   | 3.0 |

**SECTION-B**

- |    |                                     |  |       |
|----|-------------------------------------|--|-------|
| 5. | a)                                  | 'Good leaders are made not born'. Justify the statement.                 | 3.0   |
|    | b)                                  | Discuss the responsibilities of professional leader in livestock sector. | 3.0   |
| 6. | a)                                  | Explain the importance of extension programme planning.                  | 3.0   |
|    | b)                                  | Distinguish between PRA and RRA.   | 3.0   |
| 7. | a)                                  | Clarify the concepts of communication.                                   | 1.0   |
|    | b)                                  | State the importance of communication in livestock extension work.       | 2.0   |
|    | c)                                  | Discuss the Leagan's model in stating the communication process.         | 3.0   |
| 8. | Write short notes on the following: |  | 3x2=6 |
|    | a)                                  | Farm and home visit  |       |
|    | b)                                  | Motivation cycle   |       |

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> year 2<sup>nd</sup> Semester Final Examination-2017**  
**Course Title: Meat Science and Animal By-product Technology (Theory)**  
**Course Code: MAT-402**  
**Full Marks: 70, Time: 3 Hours**

(Figures in the right margin indicate full marks. Answer any five (5) questions from each section. Fractions of the questions must be answered together. Use separate answer script for each section.)

**SECTION-A**

1. Define following terms: 7.0  
(a) Abattoir (b) Marbling (c) Zoonosis (d) Dressing percentage  
(e) Lanolin (f) DFD and PSE meat (g) Flay cut
2. (a) Write down the composition of meat from different animal species. 2.0  
(b) Discuss the importance of meat protein with the comparison of plant protein. 5.0  
Illustrate the myofibrillar protein structures of muscle with schematic diagram.
3. (a) Classify different types of processed meat products. 2.0  
(b) Briefly discuss constraints and prospects for developing meat industry in Bangladesh. 5.0
4. (a) Differentiate between red and white meat. State the carcinogenic effects of excessive red meat consumption. 4.0  
(b) Briefly discuss the technologies needed to improve the functional value of meat products. 3.0
5. (a) Write down the mechanism of postmortem acidification in meat. 3.0  
(b) Describe post-mortem acidification of meat with its positive and negative impact on consumers acceptance. 4.0
6. (a) How do you prevent carcass contamination? 3.0  
(b) List the damages and defects of hides and skins during ante-mortem and post-mortem condition. 4.0

**SECTION-B**

7. (a) Write down the objectives and precaution of dressing. Mention the steps of carcass dressing for different meat animals. 3.0  
(b) Define non-meat ingredients. Classify non-meat ingredients on the basis of functions. 4.0
8. (a) What do you mean by organic and green meat? 2.0  
(b) When and why rigormortis occur? Mention the fate and importance of rigormortis in meat industry. 5.0
9. (a) What do you mean by slaughterhouse by-products? State briefly about the different slaughterhouse by-products with their uses. 3.0  
(b) Shortly describe about the virtues of wool fiber. 4.0
10. (a) Write down the objectives of inspection of meat animal and carcass. State the general principles and guidelines for ante-mortem inspection. 3.0  
(b) Shortly describe about HACCP for meat industry. 4.0
11. (a) What are the principles of curing of hides and skins? Shortly describe about the process of salt curing that you have practiced in your hands on practical class. 3.0  
(b) Describe the factors affecting the quality of hides or skins. 4.0
12. Define food value of meat. Mention different harmful effects of using preservatives in meat and foods. 7.0

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> year 2<sup>nd</sup> Semester Final Examination-2017**  
**Course Title: Farm Animal Medicine-II (Theory)**  
**Course Code: FAM-402**  
**Full Marks: 70, Time: 3 Hours**

(Figures in the right margin indicate full marks. Answer any **three (3)** questions from each section where question no. **1 and 5** are compulsory. Fractions of the questions must be answered together. Use separate answer script for each section.)

**SECTION-A**

1. a) Why *Fasciola hepatica* does not cause disease in Bangladesh? 1.0  
b) Write down the epidemiology of fascioliasis. 3.0  
c) Write down the line of treatment of chronic fascioliasis. 4.0  
d) Which matter./ you should consider during treatment of fascioliasis? 3.0
2. a) Write down the important paramphistomum against buffalo. Which anthelmintics are effective against paramphitomiiasis? 2.0  
b) Describe intestinal schistosomiasis. 3.0  
c) How treating schistosomiasis brings fatal outcome? 2.0  
d) Mention an important parasite of goats. Describe briefly. 5.0
3. a) How will you diagnose ascariasis in pigs? 3.0  
b) Mention two parasites cause dermatitis in horses. Describe briefly one of them. 5.0  
c) How strongylosis can be fatal in horse? How will you diagnose and treat it? 4.0
4. Write down the prescription of the following cases: 4×3=12
  - i) Humpsore in a 400 kg bullock
  - ii) Taeniasis in a 75 kg pig
  - iii) Babesiosis in a 400 kg crossbred cow
  - iv) Mange in a 40 kg goat.

**SECTION-B**

5. a) Write down the etiology, clinical findings and treatment of 'red water fever' in cattle. 5.0  
b) What do you mean by preimmunization, chemoimmunization and chemotherapy of babesiosis in animals? 3.0  
c) Tabulate the differential diagnosis of cattle in which red urine is a principal manifestations. 3.0
6. a) What do you mean by myiasis? Classify myiasis according to their cause. 3.0  
b) Write down the field diagnostics and line of treatment of myiasis in farm animals. 6.0  
c) Briefly describe the diagnosis and control measures of dermatophytosis in cattle. 3.0
7. a) Write down the epidemiology of anaplasmosis in farm animals. 3.0  
b) Write down the clinical signs of anaplasmoiss in goats. 3.0  
c) Discuss briefly babesiosis in dairy cows. 6.0
8. a) How will you diagnose CBPP? 4.0  
b) Write down the epidemiology of dermatophytosis in farm animals. 4.0  
c) How will you differentiate coccidiosis from cryptosporidiosis in calves? 4.0



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**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> Year 2<sup>nd</sup> Semester Final Examination-2016**  
**Course Title: Zoo and Lab Animal Medicine (Theory)**  
**Course Code: ZAM-402 (T)**  
**Full Marks: 55; Time: 3 Hours**

(Figures in the right margin indicate full marks. Answer any three questions from each section where Question no. Five (5) is compulsory. Fractions of the questions must be answered together. Use separate answer script for each section.)

**Section-A**

1. a) Define wild life Sanctuary, Zoo and Safari Park with examples. 2.0  
b) Enlist and define the categories for classification of wild life according to IUCN. 3.0  
c) Write down the role of field vets for the conservation of wild life in Bangladesh. 4.0
2. a) Enlist five infectious diseases of spotted deer. 1.0  
b) Write down etiology, clinical findings, diagnosis, treatment and control of tuberculosis in spotted deer in national zoos in Bangladesh. 4.0  
c) Enlist five important zoonotic diseases in human wildlife interface in Bangobondhu Safari park, Gazipur and how will you prevent transmission of zoonotic diseases in Safari Park both in human and animal. 4.0
3. a) Mention the generation period, weaning period, litter size, average birth weight and life span of Royal Bengal Tiger, Asiatic Elephant, African Lion, Asiatic Black bear, Giraffe, Zebra and spotted deer in captivity. 6.0  
b) Write down the clinical signs, diagnosis, and line of treatment of strangle in Zebra. 3.0
4. a) How will you differentiate crocodile from ghorial? 1.0  
b) What are the methods used to restrain reptiles and describe the chemical method of restraining for reptiles. 1.5  
c) Enlist common bacterial, viral and fungal diseases of reptiles? Write down the clinical findings and line of treatment of dermatitis and amoebiasis in python. 3.0  
d) Enlist common viral and parasitic diseases of feline. Write down clinical sign, diagnosis, treatment and prevention of feline panleukopenia in captive tigers. 3.5

**Section-B**

5. a) Mention the etiology, transmission, clinical signs, postmortem findings, diagnosis, treatment and prevention of listeriosis in Royal Bengal Tiger at National Zoo, Dhaka. 4.0  
b) Prescribe the following diseases 1.5×4=6  
(i) Ear cancer in 1.5kg body wt. rabbit  
(ii) FMD in a 100 body wt. sambar deer  
(iii) Mycoplasmosis in a 2 kg body wt. goose  
(iv) Myiasis in a 200kg body wt. tigress
6. a) What is musth? How will you restrain an excited elephant at the time of musth at Bangobondhu Shekh Mujibur Rahman Safari Park Dulahazra, Cox's Bazar. 3.0  
b) What do you mean by the term "Mycobacterium Avium complex (MAC)" in tapir? 2.0  
c) Describe its clinical signs, postmortem findings, diagnosis and treatment in tapir. 4.0
7. a) Write down the etiology, clinical signs, treatment and control of lumpy jam in Kangaroo. 5.0  
b) Explain the term "EIDs" and discuss the role of wild life veterinarians in prevention of "EIDs" in South Asian region. 4.0
8. a) Enlist the important bacterial disease of primates. 1.0  
b) Write down the etiology, clinical findings, diagnosis, treatment and control measures against anthrax in elephants. 5.0  
c) Describe the etiology, clinical signs and treatment of salmon poisoning in foxes. 3.0

**Chittagong Veterinary and Animal Sciences University**  
**DVM 4<sup>th</sup> Year 2<sup>nd</sup> Semester Final Examination-2016**  
**Course Title: Livestock Marketing (Theory)**  
**Course Code: LMR-402 (T)**  
**Full Marks: 70; Time: 3 Hours**

(Figures in the right margin indicate full marks. Answer any three questions from each section where Question No. 1 and 5 are compulsory. Use separate answer script for each section.)

### SECTION-A

1. a) "Marketing is a process by which companies create value for customers and build strong customer relationships to capture value from customers in return"- Explain it with examples. 3.0  
 b) Identify and give examples of Utilities. 4.0  
 c) Give examples of Need, want and Demand. Name the Livestock products available in Bangladesh. 3+1=4
  
2. a) Suppose you are working for Marketing of Bengal Meat's "Beef". Develop a chain to distribute your products to your customers. 4.0  
 b) Identify the functions of Marketing. 4.0  
 c) Does Marketing add value? Justify your answer. 4.0
  
3. a) What is marketing management? 2.0  
 b) What do you know about cost and efficiency of marketing? 5.0  
 c) Differentiate wholesaling and retailing with distinctive characteristics. 5.0
  
4. a) Identify 4 pillars of Marketing concept. 4.0  
 b) "As an entrepreneur we only need to be production focused. Market Focus is less important as higher production is the key success". Do you agree? Justify your answer. 4.0  
 c) "Customer is the king in the kingdom of Marketing"- Do you agree. Justify your answer. 4.0

### SECTION-B

5. a) Define Market. Classify market with examples. 4.0  
 b) Show the reasons for the increase of the demand of the Livestock products. 3.0  
 c) Show the importance of Livestock Products in context of Bangladesh. 4.0
  
6. Suppose you are thinking of starting a Turkey Farm in Rangamati Sadar. Based on this case-  
 a) Show how Economic and Natural Environment impact in your business? 4.0  
 b) Predict two opportunities and two threats in the external environment. 4.0  
 c) Propose some ideas to create value for your product. 4.0
  
7. a) What do you mean by co-operative marketing? Discuss the benefits of co-operative marketing system. 4.0  
 b) Discuss about standardization and grading system of milk and milk products. 4.0  
 c) Explain the process of milk sampling and patterns of milk processing. 4.0
  
8. a) Show the Marketing Process. 4.0  
 b) Show the Marketing Channel of Hides and Skins prevailing in Bangladesh? 4.0  
 c) Explain SWOT Analysis with a hypothetical example in the field of livestock marketing. 4.0