***Acknowledgements***

*The author is ever grateful and indebted to the Almighty God without whose grace it would have ever been possible to pursue this study in this field of science and to complete this clinical report writing for the Degree of Doctor Of Veterinary Medicine (DVM).*

*The author would like to express his deep sense of gratitude and thanks to Professor* ***Dr. Goutom Buddha Das ,*** *Vice Chancellor, Chittagong Veterinary and Animal Sciences University.*

*The author would like to express his deep sense of gratitude and heartfelt appreciation to Professor* ***Dr. Md. Ahasanul Haque****, Dean, Faculty of Veterinary Medicine, Chittagong Veterinary and Animal Sciences University.*

*The author would like to express his ever indebtedness, deepest sense of gratitude, sincere appreciation and profound regards to her reverend and beloved teacher and Supervisor, professor* ***DR. Mohammad Alamgir Hossain,*** *Department Pathology & Parasitology, Chittagong Veterinary And Animal Sciences University for his scholastic guidance, sympathetic supervision, valuable advice, constant inspiration, affectionate feeling, radical investigation and constructive criticism in all phases of this study.*

*The author highly express his sincere gratitude and gratefulness to the internship Coordinator, Professor* ***Dr.A.K.M. Saifuddin,*** *Director, Exxternal Affairs, Chittagong Veterinary And Animal Sciences University., for his constant inspiration, cordial co-operation, valuable suggestion for completion of the report work.*

*The author would like to express his heartfelt appreciation & thanks to* ***Dr. Md.Mahfuzur Rahman*** *Veterinary Surgeon, Upazilla Veterinary Hospital, Bera,Pabna, for his kind cooperation during the study period***.**

The Author

**Table of Contents**

**Contents Page**

Acknowledgements………………………………………………………………………...i

Table of Contents…………………………………………………………………………..ii

List of Tables……………………………………………………………………………….iii

List of Figures ……………………………………………………………………………..iv

Abstract……………………………………………………………………………………..1

Chapter- I Introduction…………………………………………………………...2-5

 Chapter-II Materials and Methods…………………………………………………6-11

 2.1 Selection of animal………………………………………………….6

 2.2 Collection of fecal samples………………………………………….7

 2.3Examination of fecal sample…………………………………………7

 2.3 (a) Direct Smear……………………………………………………..7

 2.3 (b) Simple test tube flotation………………………………………...7

 2.4 Diagnosis of Gastrointestinal parasite………………………………9

 2.4 (a) Clinical Signs of Gastrointestinal parasitic infection……………9

 2.4 (b) Morphology of parasite egg……………………………………...10

Chapter-III Results………………………………………………………………….12-15

Chapter-IV Discussion………………………………………………………………16

Chapter-V Conclusion………………………………………………………………17

Chapter-VI References……………………………………………………………….18- 20

 Biography.................................................................................................21

**List of Tables**

**Table No Contents Page**

**Table-1**  Frequency of Gastro-intestinal Parasites………………………………12

**Table -2** Age –wise occurrence of gastro-intestinal parasites in cattle………….13

**Table-3** Sex –wise occurrence of gastrointestinal parasite of Pabna cattle……..14

**Table- 4** Farm-size wise occurrence of gastrointestinal parasite of Pabna cattle..15

**List of Figures**

**Figure No. Figure Name Page**

Fig(a) Placed a small amount of feces on a microscope slide……………7

Fig(b) Cover with a cover slip………………………………………….7

Fig (c) See under the microscope……………………………………….7

 Fig (d) Putted 3g of feces………………………………………………..9

Fig (e) Poured flotation fluid into test tube……………………………...9

 Fig (f) Placed the test tube in a test tube rack…………………………...9

Fig (g) carefully place a cover slip on top of the test tube……………….9

Fig (h) carefully lifted off the cover slip from the tube…………………9

 Fig (i) See under the microscope……………………………………….9

 Fig (j) Egg of *Paramphistomum* spp…………………………………..11

Fig( k) Egg of *Toxocara* spp…………………………………………….11

 Fig( l) Egg of *Cooperia* spp…………………………………………….11

 Fig( m) Egg of *Bunostomum* spp…………………………………………11

 Fig( n) Egg of *Strongyloides* spp………………………………………..11

Fig( o ) Egg of *Balantidium coli*……………………………....................11

 Fig( p) Egg of *Fasciola* spp……………………………………………..11

Fig( q) Egg of *Moniezia* spp…………………………………………….11