

**2020****ZOOLOGY****[HONOURS]****Paper : XI****GROUP-A****[NEW SYLLABUS]****[PRACTICAL]**

Full Marks : 40

Time : 4 Hours

*The figures in the right-hand margin indicate marks.***Answer all the questions**

1. Write down the consecutive steps of preparation of pituitary extract from major carp. 8
2. Write down the consecutive steps of staining of bacteria by Gram staining method. 5
3. Write down the procedure of smear preparations and staining of the gut contents of cockroach for protozoan parasites. Mention the scientific name of one commonly found protozoan parasite in gut of cockroach. 5+1=6

4. Identify any **two** of the following with reasons (systematic position and specimen characters only):  
3+3=6

- i) *Entamoeba*.
- ii) *Plasmodium vivax*.
- iii) *Leishmania*.
- iv) *Ascaris*(differentiate between male and female).
- v) *Wuchereria*.
- vi) *Ancylostoma*.

5. Attendance. 5
6. Laboratory Notebook. 5
7. Viva-voce. 5

*[Turn over]*