

7:17



1.3.2

M.Sc. Zoology (Practical Syllabus)  
IVth Semester (Fish & Fisheries)

Duration – 5 hrs

MM: 100

1. Major Dissection - 10 Marks
  - Cranial nerves of Wallago
  - Cranial nerves of Mystus
  - Cranial nerves of Labeo
  - Cranial nerves of Sting ray
2. Minor dissections – 10 Marks
  - Accessory respiratory organs of
    - Clarias
    - Heteropneustis
    - Anabas
  - Electric organs of Torpedo
  - Weberian Ossicle of Wallago
  - Internal ear of Scoliodon
  - Pituitary
  - Biometry of a local fish
3. Mounting – 10 Marks
  - Placoid scales
  - Cteniod scales
  - Cycloid scales
  - Rhomboid scales
  - Scale showing lateral line
  - Preparation of blood film
  - Chromatophore
4. Water analysis – 10 Marks
  - pH, turbidity, salinity, DO, TDS
5. Spotting (4 specimens + 4 slides + 2 bones) 20 Marks
6. Identification (1 Cyprinid + 1 Silurid) 10 Marks
7. Viva 10 Marks
8. Records 20 Marks

*[Handwritten signatures and dates]*  
26/11/13  
26/11/13  
Amandas  
26/11/13  
26/11/13  
26/11/13