**DEPARTMENT OF ZOOLOGY**

**LABORATORY REQUISITION FOR SEMESTER-I & SEMESTER II OF CBCS SYSTEM**

**INSTRUMENTS & LABWARE:**

 ITEM QUANTITY

1. AGAROSE GEL ELECTROPHORESIS COMPLETE SET (8 SAMPLES) 1 SET

2. POWER SUPPLY FOR GEL ELECTRPHORESIS 1 SET

3. UV TRANSILLUMINATOR (12cm X 12cm) 1 SET

4. CELL COUNTERS 2 PC

5. MICROPIPETTE (2µL-20µL) 1 PC

6. EPPENDORF TUBES (TARSONS) 1 PKT

7. MATIG BLUE NITRILE POWDER FREE

 DISPOSABLE GLOVES 1 PKT (50PC)

8. GLASS SLIDES (ORIGINAL BLUE STAR) 4 PKTS

9. 0.2µm FILTER PAPER 1 PKT

10. VORTEX (REMI) 1 PC

11. TISSUE HOMOGENIZER 2PC

12. PAPER CHROMATOGRAPHY CHAMBER 1 SET

13. CHROMATOGRAPHY PAPER (WHATMAN; 10CMX30CM) 1 PKT

14. GLASS CAPILLARY TUBE (TOP) 100 PC

15. PASTEUR PIPETTE 6” WITH RUBBER TIP 1 DOZ

16. FIELD TEMPERATURE METER (SOIL & WATER)

17. FIELD SALINITY METER

18. FIELD CO2 METER

19. MICROPIPETTE TIPS (FOR 20µl) 1 PKT

20. MICROPIPETTE TIPS RACK 1 PC

21. EPPENDORF TUBE RACK 1 PC

**CHEMICALS:**

 ITEM QUANTITY

1. ACETONE (EXTRAPURE BY E.MERCK 1X 500ml

2. DNA ELECTROPHORESIS KIT

3. CALF THYMUS DNA (SRL) 1X 25mg

4. AGAROSE GEL (SRL)

5 . L-GLYCINE 1X 500g

6. HYDROCHLORIC ACID (EXTRA PURE BY E.MERCK) 1X 500mL

7 . DIPHENYLAMINE INDICATOR (E MERCK/ SRL/ NICE) 1 PC

8 . POTTASIUM HYDROGEN PHTHALATE (E MERCK/ SRL) 1 PC

9.  ***n***- BUTANOL (EXTRA PURE BY E. MERCK) 2X 500ml

10. METHYL GREEN STAIN (E. MERCK/ SRL/ NICE) 4 X 100ml

11. PYRONINE-Y STAIN (E. MERCK/ SRL/ NICE) 4 X100ml

12. GLACIAL ACETIC ACID (EXTRA PURE BY E. MERCK) 1X 500ml

13. SULPHURIC ACID (EXTRA PURE BY E. MERCK) 1X 500ml

14. FORMALDEHYDE (EXTRAPURE BY E.MERCK) 1X 500ml

15. ETHANOL (EXTRAPURE BY E.MERCK) 2X 500ml

16. BLOOD GROUP TESTING KIT (SPAM) 2 PKT

17. NINHYDRINE SPRAY (FORENSICS) 1 BOTTLE

18. L- ALANINE 1X 100G

19. ACETONE (EXTRA PURE BY E. MERCK) 1X 500ml

19. STERILIZED ABSORBENT COTTONWOOL 1 PKT (BIG)

20. NON ABSORBENT COTTON WOOL 1 PKT (BIG)

**SPECIMENS:**

 ITEM QUANTITY

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1. *Vorticella sp*. (Whole mount in slide) 2 pc

2. *Palaemon sp*. 1 pc

3. *Cucumaria sp.* (Sea Cucumber) 1 pc

4. *Beroe sp.* 1 pc

5. *Clypeaster sp*. (Sand Dollar) 1 pc

6. *Gorgonia sp.* (Sea Fan) 1 pc

7. *Pinctada sp.* (Pearl Oyster) 1 pc

8*. Nautilus sp.* 1 pc

9. *Antedon sp.* 1 pc

10. *Ophiura sp.* (Brittle Star) 1 pc

11. *Madrepora sp*. 1 pc

12. *Dentalium sp.* 1 pc

13. *Exocoetus sp.* (Flying Fish) 1 pc

14. Neptune’s Cup 1 pc

15. *Achatina sp.* 1 pc

16. *Euglena sp.* (Preserved culture) 1 vial

17. *Paramoecium sp.* (Preserved culture) 1 vial

18. *Amoeba* (Preserved culture) 1 vial

19. Skull of Dog (with lower jaw) 1 pc