

# DINABANDHU MAHAVIDYALAYA

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**NAAC ACCREDITED**

**Affiliated to West Bengal State University & Formerly under University of Calcutta  
Registered under 2(f) & 12(B) of U.G.C. Act 1956  
ESTD: 1947**

Ref. Adm/F-84/82 (b)/18

Date: 14.09.18

## **TENDER INVITING NOTICE**

Sealed tenders indicating price is invited for supply the following chemicals and instruments. Tenders must be submitted in the office of Principal within 7 days from the date of notification e.g. 21.09.2018 by 2:00 P.M. For detail please contact the office of the Principal.

Sd/-  
Principal  
Dinabandhu Mahavidyalaya.

PRSC MEETING DATED 06.08.2018, ITEM NO-11(b)

NB:

1. For the interest of the institution authority may modify or withdraw the tender notice partly or wholly.
2. No tender will be accepted without requisite valid documents (GST no. and Trade Licence).
3. Authority will give top most priority to the interest of the institution while issuing work orders or purchase order

## Requisition for Dept. of Botany

### Instruments:

Sl. No.	Name if instruments	Quantity
1	Olympus microscope	1
2	Binocular dissecting microscope	1
3	Haemocytometer	4

### chemicals

Sl. No.	Name if chemicals	Quantity
1	Aceto orcin stain	100 ml
2	Aceto carmin stain	100ml
3	Malachite green	100 ml
4	Benedict reagent	500 ml
5	Iodine solution	125 ml
6	KOH pellets	500 gm
7	Potassium permanganate	500 gm
8	Acetic acid glacial	500 ml
9	Benzene	500 ml
10	Chloroform	500 ml
11	Ethylene	500 ml
12	Glycine	100 gm
13	Hydrochloric acid	500 ml
14	Methanol	500 ml
15	Mayer's solution	125 ml
16	Phenylalanine	100 gm
17	Formaldehyde	2x 500 ml
18	Lactic acid	500 ml
19	Lead acetate	500 gm
20	Leishman stain	125 ml
21	Magnesium chloride	500 gm
22	Sodium iodide	500 gm
23	Sodium oxalate	500 gm
24	Sulphuric acid	500 ml
25	Ninhydrine	125 ml
26	Xylene	500 ml
27	Bismark brown	50 gm

### Requisition for permanent slides

<u>Items</u>	<u>Nos.</u>
Algae: 1. Gloeotrica	2
2. pinnate diatom	2
3. Polysiphonia tetrasporophyte	2
4. Polysiphonia cystocarp	2
5. Polysiphonia sporangia	2
6. Fucus	2
Fungi : 7. Penicillium with conidia	2

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|---------------------------------|--------|
| 8. Zygosporangia of Rhizopus    | 2      |
| 9. T.S. Agaricus gill           | 2      |
| 10. Albugo- asexual stages      | 2      |
| 11. Puccinia graminis- 4 stages | 2 each |

**Bryophyte:**

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|---|--------|
| 12. Riccia- VTS of antheridia, archegonia and sporophyte- | 2 each |
| 13. Marchantia – L.S. of antheridiophore and archegonia   | 2each  |
| 14. Antheros : L.S. of sporophyte                         | 2      |
| 15. Funaria : L.S. of capsule                             | 2      |

**Pteridophyta :**

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|---|--------|
| 16. Psilotum – t.S. of synangia               | 2      |
| 17. Dryopteris T.S. of Sori.                  | 2      |
| 18. Equisetum L.S. and T.S. of strobilus      | 1 each |
| 19. Marsilea sporocarp                        | 2      |
| 20. Ophioglossum L.S. of spike                | 2      |
| 21. Pteris- prothallus with sex organs, sorus | 2      |

**Gymnosperms :**

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|---|--------|
| 22. Pinus L.S. of male and female cone            | 1 each |
| 23. Gnetum L.S. of male cone, female cone & ovule | 1 each |

**Palaeobotany:**

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|---|---------|
| 24. Leaf fossil of Ptilophyllum and Glossopteris  | 1 each  |
| 25. Slides: T.S. of stem of Lepidodendron, Calamites,<br>Lygenopteris Cordaites and Rhynia. | 1 each. |

**Cytology:** Normal and abnormal stages of Mitosis and Meiosis 1 set each

**Electron Micrograph:**

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|--|---------|
| 1. T-Phage, TMV  | 1 each  |
| 2. Bacteria, binary fission, endospore, root nodule, conjugation | -1 each |
| 3. Prochloron(algae), Nostoc, heterocyst                         | 1 each  |
| 4. Cell organelles   | 1 each  |

**Working Materials:**

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|---|------------------|
| Algae: Nostoc, Volvox, Oedogonium, Chara, Polysiphonia, Fucus, Vaucheria    | -2 bottles each  |
| Fungi: Rhizopus, Aspergillus, Penicillium, Ascobolus, Alternaria,           | - 2 bottles each |
| Lichen: Crustose, foliose and Fruticose                                     | -1 each          |
| Bryophyta: Marchantia, Funaria,   | -1 each          |
| Pteridophyta: Selaginella, Equisetum cone, Pteris sorus, Pteris –prothallus | -1 each          |

**Charts or Models:**

- |                                       |        |
|---------------------------------------|--------|
| 1. Lytic and lysogenic cycle of virus | 1 each |
| 2. Bacterial recombinations           | 1 each |
| 3. Mitosis and meiosis cell divisions | 1 each |
| 4. Abnormal stages of cell divisions  | 1      |