Dr.Mr. E B . Bhalerao
Kisan Veer Mahavidyalaya, Wai
Date- 4/09/2018.

To,
The Principal,
Kisan Veer Mahavidyalaya, Wai.

Sub: - Regarding permission of Botanical Excursion of B.Sc.III

As per rules and syllabus of B.Sc.-III Botany of Shivaji University Kolhapur, Department of Botany has organized Botanical Excursion of B.Sc.III students at Mahabaleshwar on Saturday, 6/09/2018. So, I kindly request you to give permission for the same.

Thanking you,

Yours Faithfully,

Head of Department of Botany

Dr. Mrs E. B. Bhalerao

KISAN VEER MAHAVIDYALAYA ★ Wai, Dist. Satara. ★

Department of Botany

Kisan Veer Mahavidyalaya, Wai

Date: - 4/09/2018

Notice

According to rules and syllabus of Shivaji University, Kolhapur, Department of Botany has Organized Botanical Excursion visit to Mahabaleshwar for students on 6/09/2018. All concern students should remain present. Tour report is compulsory as a submission of requirement of practical examination. So, all students should remain present on wai S. T. Stand at 8.30 am. This trip is compulsory to all B. Sc. III Botany students.

Thanking You,

KISAN VEER MAHAVIDYALAYA ★ Wai, Dist. Satara ★

Principal

(Kisan Veer Mahavidyalaya, Wai)

Principal
Kisan Veer Mahavidyalaya, Wai
Tal. Wai, Dist. Satara

JANATA SHIKSHAN SANSTHA'S

KISAN VEER MAHAVIDYALAYA , WAI

DEPARTMENT OF BOTANY

06/9/2018

BOTANICAL EXCURSION REPORT OF MAHBALESHWAR (2018-2019)

Ecological/ Geological data :

a) Height : 1382Meteres average 4,500 ft. from mean sea level , highest point **(Willson point) 4710 ft.**

b) Rainfall : 250- 300* per annum.

c) Humidity : 40 to90 %

d) Soil : Red ferruginous clay and laterite.

e) Type of vegetation : Mixed –evergreen, deciduous and sub tropical type

I) COLLECTION OF ALGAE : Following algal plants were observed and And collected near Water bodies as follows.

1. *Nostoc* sp. Ball - Blue green fresh water algae.
2. *Oedogonium* sp. – Green fresh water algae.
3. *Spirogyra* sp. Yellow - Green fresh water algae.
4. *Batrachospermum* - Brown fresh water algae.
5. *zygnima* sp. - green fresh water algae
6. *Chara* sp - green fresh water algae

II) COLLECTION OF FUNGI : Following afungal organisms were Observed and collected near Water bodies and on the soil and on the Plants are as follows-

1. Powdery mildew of Teak – Ex *Uncinula tectonae* on teak plant.
2. White rust of crucifer –Ex Albugo sp. On Brassica ,Raddish,Amaranthusetc

3. Wheat rust - Ex. *Puccinia gramini tritic*i on Wheat plant
4. Brown spot of Rice - Ex. *Puccinia* sp.
5. Brown spot of *Polygonum* – Ex. *Puccia polygonae*
6. Tar spot of Phyllacora - on the leaf of *Scutia indica* .
7. Meliolla disease on - the leaves of Mango
8. Phyllacora disease on - the leaves of various plants
9. Capnodium on the leaves of Memecylon umbalatum (Anjan)
10. Kurkaniella diseases on – the leaves of *Paveta indica* –Kulkarniella Pavata.

11. Dasturella disease on – the leaves of Bamboo Ex Dasturella divina
12. Mould fungi -as *Mucor, Aspergillus Penicillium.Rhizopus* etc.are Saprophytes observed on the decaying wild fruits

13. Smut fungi – as smut of Maize , grasses etc

14. Saprophytes – various species of Agaricus on soil and decaying woods.

Morchella. , Ball fungi, *Polyporus* etc

15 Three types of Lichens as Crustos , Fructos and foliose Ex *Usnea berbata*

on the branches of trees.

III) COLLECTION OF BRYOPHYTES : Following Bryophytic plants were

Observed and collected from moist, shady and near water bodies are as Follows.

1. *Riccia sp*
2. *Plagiochsma sp*
3. *Targonai sp.*
4. *Asterella sp*
5. *Cyathodium sp*
6. *Fossombronia sp*
7. *Pallavcinia sp*
8. *Anthoceros sp*
9. *Notothylus .sp*
10. *Polytrichum sp.*
11. *Pogonatum sp,*

12. Funaria sp

13.*Bryum* sp.

IV) **COLLECTION OF PTERIDOPHYTES :** Following Pteridophytic plants

Were observed and collected from moist shady places, near water bodies

And on the branches of the trees are as follows.-

1. *Glechenia linearis* Bedd.
2. *Cyathea spinulosa* Wal *C. latebrosa* Wall (opel)
3. *Microlepia platyphylla* Jsm.
4. *Alsophila glabra* Ho
5. *Leucostegia pulclira* J.sm. *L. immersa* pres
6. *Adiantum lunulatum* Burm
7. *Adiantum capillus* Veneris
8. *Cheilanthes farinose* Kaulf.
9. *Cheilanthes tennifolia* sw.
10. *Pteris longifolia*
11. *Pteris quadriaurita* Retz
12. *Pteris aqualina* L.
13. *Pteris biaurita* Linn
14. *Blechnum orientale* L.
15. *Asplenium lunulatum* sw
16. *Asplenium laciniatum* Don
17. *Actinopteris dichotoma* Bedd.
18. *Aspidium polymorphum* w
19. *Lastrea odontoloma* mo
20. *Lastrea sparsa* mo

21. *Pleopeltis lineris* Bedd.
22. *Pleopeltis membranacea* Bedd..
23. *Gymnopteris subcrenata* Bedd.
24. *Acrostichum aureum* L.
25. *Osmunda regalis* L.
26. *Lygodium microphyllum* R.Br.
27. *Ophioglossum vulgatum* L.
28. *Ophioglossum reticula*
29. *Selaginella tenera (Hook)* Grao spring
30. *Marsilea quadrifolia* L.*(Marsilea minuta)*

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TEACHER INCHARGE : DR. E. B. Bhalerao

Principal
Kisan Veer Mahavidyalaya, Wai
Tal. Wai, Dist. Satara

KISAN VEER MAHAVIDYALAYA ★ Wai. Dist. Satara. ★

Mahabaleshwar Botanical Excursion

2018 - 2019 (B.Sc. III)