

B.L.D.E. Association's
S.B ARTS AND K.C.P SCIENCE COLLEGE, VIJAYAPUR

DEPARTMENT OF BOTANY
B.Sc II-SEMESTER FIRST INTERNAL EXAMINATION, JULY-2023
PAPER TITLE : DSC:DIVERSITY OF NON FLOWERING PLANTS

TIME: 1hr

PAPER CODE: 21BSC2BOT2L

MAX.MARKS:30

DATE:10 /07/2023

Q.I. Answer any FIVE of the following in 2 or 3 sentences.

5x2=10

1. Heterocyst
2. Blepharoplast
3. Algal bloom
4. Rhizoids
5. Oogamous
6. Gametophyte
7. Diatomaceous earth or Diatomite.

Q.II. Answer any THREE of the following questions.

3x4=12

1. Write a general characteristics of Bryophytes.
2. Give a account on Classification of Algae .
3. Explain the structure of sporophyte of Anthoceros.
4. Brief account on life of cycle of Ectocapus.
5. Write a morphological characteristics of Riccia .

Q.III. Answer any TWO of following questions

2x4=8

1. Write a note on economic importance of Algae .
2. Explain Antheridium development in Riccia with neat labeled diagram.
3. Write a Rothmaler classification up to orders of bryophytes and mention features of class Anthocerotopsida
4. General account on Blue green algae.



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DEPARTMENT OF BOTANY

B.Sc II-SEMESTER SECOND INTERNAL EXAMINATION, AUGUST-2023

PAPER TITLE : DSC:DIVERSITY OF NON FLOWERING PLANTS

TIME: 1hr

PAPER CODE: 21BSC2BOT2L

MAX.MARKS:30

DATE: 22/08/2023

Instructions: All the sections are compulsory. Draw neat labeled diagram wherever necessary

Q.I. Answer any FIVE of the following in 2 or 3 sentences.

5x2=10

1. Conjoint
2. Cambium
3. Siphnostele
4. Sporophyte
5. Corolloid roots
6. Stigmerian
7. Ovule

Q.II. Answer any THREE of the following questions.

3x4=12

1. Write a general characteristics of pteridophytes.
2. Dscribe any four types of stele in pteridophytes
3. Explain T.S of selaginella
4. With neat labelled diagram explain T.S of stem of Cycas
5. Write the ecological importance of bryophytes
6. With neat labelled diagram explain the V.S of Gnetum ovule

Q.III. Answer any TWO of following questions

2x4=8

1. Enumerate general characters of Gymnosperm.
2. Write note on Birbal shani institution of paleobotany
3. Explain life cycle of Riccia
4. Write a note on economic importance of Gymnosperm


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S.B ARTS AND K.C.P SCIENCE COLLEGE VIJAYAPUR

DEPARTMENT OF BOTANY

B.Sc 4th-SEMESTER FIRST INTERNAL ASSESMENT TEST JULY-2023

PAPER TITLE (DSC): ECOLOGY AND CONSERVATION BIOLOGY

TIME: 1hr

PAPER CODE: 21BSC2BOT4L

MAX.MARKS: 30

DATE: 11/07/2023

Instructions: All the sections are compulsory

Draw neat labeled diagram wherever necessary

Q.1. Answer the following questions**5x2=10**

- | | |
|---------------------------|----------------------|
| 1. What is glaciation? | 2. Hekisotherms |
| 3. Define eutrophication. | 4. Relative humidity |
| 5. Define global warming. | 6. Pedogenesis |
| 7. Epiphytes | |

Q.2. Answer any THREE of the following questions.**3x4=12**

1. Describe the theory of continental drift.
2. Explain topographic factors.
3. Explain the vavilov's centers of origin of plants.
4. Explain soil profile.
5. Write a note on minamata disease and it's causes.

Q.3. Answer any TWO of following questions**2x4=8**

1. Define air pollution. Explain it's causes and effect on ecosystem
2. Write a note on types of hydrophytes.
3. Explain the composition and distribution of evergreen and semi evergreen forest in Karnataka
4. Describe the effect of light factor on vegetation.



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S.B ARTS AND K.C.P SCIENCE COLLEGE VIJAYAPUR

DEPARTMENT OF BOTANY

B.Sc 4-SEMESTER 2ND INTERNAL ASSESMENT TEST AUG-2023

PAPER TITLE (DSC): ECOLOGY AND CONSERVATION BIOLOGY

TIME: 1hr

PAPER CODE: 21BSC2BOT4L

MAX.MARKS: 30

DATE: 23/08/2023

Instructions: All the sections are compulsory. Draw neat labeled diagram wherever necessary

Q.1. Answer any FIVE of the following in 2 or 3 sentences.**5x2=10**

1. IUCN
2. population density
3. Cryopreservation
4. Interspecific interaction
5. RET
6. Hydrosere
7. Ecotone

Q.2. Answer any THREE of the following questions.**3x4=12**

1. Explain the methods used in In-situ conservation.
2. Write in brief about biodiversity hotspots of india.
3. Explain in detail about objective and features of forest conservation Act, 1980.
4. Explain the stages of ecological succession.
5. Give a brief account on food chain grazing.

Q.3. Answer any TWO of following questions**2x4=8**

1. What is the role of biodiversity bill (2002) in conservation?
2. Explain the population growth curves.
3. Explain the threats to biodiversity in detail.
4. Explain the nitrogen cycle.

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DEPARTMENT OF BOTANY

B.Sc 4-SEMESTER 2ND INTERNAL ASSESMENT TEST AUG-2023

PAPER TITLE (DSC): ECOLOGY AND CONSERVATION BIOLOGY

TIME: 1hr

PAPER CODE: 21BSC2BOT4L

MAX.MARKS: 30

DATE: 23/08/2023

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DEPARTMENT OF BOTANY
B.Sc VI-SEMESTER PAPER-2, FIRST INTERNAL EXAMINATION, JULY-2023
PAPER TITLE : BIOFERTILIZERS AND ORGANIC FARMING

TIME: 1hr

PAPER CODE: BOTDSET6.2B

MAX MARKS:20

DATE: 14/07/2023

Instructions: All the sections are compulsory. Draw neat labeled diagram wherever necessary

Q. 1. Answer any FIVE of the following in 2 or 3 sentences.

5x 2 Marks =10

i. FYM

ii. Organic farming

iii. Biocompost

iv. Azotobacter

v. Carrier based inoculants

vi. Actinorrhizal symbiosis

vii. Oil cake

viii. Azadirachtin.

Q. Answer any TWO of the following.

2x 5 Marks=10

2. (a). Explain green Manuring technique

OR

(b). Write a note on Panchagavya

(a). Write general account on microbes used as biofertilizers

OR

(b). Explain isolation & mass multiplication of Rhizobium

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DEPARTMENT OF BOTANY
B.Sc VI-SEMESTER PAPER-2, FIRST INTERNAL EXAMINATION, JULY-2023
PAPER TITLE : BIOFERTILIZERS AND ORGANIC FARMING

ME: 1hr

PAPER CODE: BOTDSET6.2B

MAX.MARKS:20

DATE: 14/07/2023

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S.B ARTS AND K.C.P SCIENCE COLLEGE, VIJAYAPUR**DEPARTMENT OF BOTANY**

B.Sc VI-SEMESTER PAPER-2, SECOND INTERNAL EXAMINATION, AUGUST-2023
PAPER TITLE : BIOFERTILIZERS AND ORGANIC FARMING

TIME: 1hr

MAX.MARKS:20

PAPER CODE: BOTDSET6.2B

DATE: 26/08/2023

Instructions: All the sections are compulsory. Draw neat labeled diagram wherever necessary

Q. 1. Answer any FIVE of the following in 2 or 3 sentences.

5x 2 Marks =10

- | | | |
|---------------------------|-----------------------------|---------------------------------|
| i. Algal biofertilizer | ii. Azospirillum | iii. Azolla in rice cultivation |
| iv. Anabaena azollae | v. Carrier based inoculants | vi. Ectendomycorrhiza |
| vii. Phosphorus nutrition | viii. VAM. | |

Q. Answer the following.

2x 5 Marks=10

2. (a). Explain isolation and mass multiplication Azospirillum.

OR

(b). Write associative effect of different microorganisms.

3. (a). Describe types of mycorrhizal association.

OR

(b). Explain isolation and inoculum production of VAM.

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B.Sc VI-SEMESTER PAPER-2, SECOND INTERNAL EXAMINATION, AUGUST-2023
PAPER TITLE : BIOFERTILIZERS AND ORGANIC FARMING

TIME: 1hr

MAX.MARKS:20

PAPER CODE: BOTDSET6.2B

DATE: 26/08/2023

Instructions: All the sections are compulsory. Draw neat labeled diagram wherever necessary

Q. 1. Answer any FIVE of the following in 2 or 3 sentences.

5x 2 Marks =10

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B.Sc VI-SEMESTER SECOND INTERNAL EXAMINATION, AUGUST-2023

PAPER TITLE : SEC:ETHNOBOTANY

TIME: 1hr

PAPER CODE: BOTSEC6.3

MAX.MARKS:20

DATE: 22/08/2023

Q.I. Answer any FIVE of the following in 2 or 3 sentences.

5X2=10

- | | |
|-------------------------------------|--------------------------|
| 1. Classification of sacred grooves | 2. Pongamia pinnata |
| 3. Vitex negundo | 4. Traditional knowledge |
| 5. Endangered taxa | 6. IPR |
| 7. Texmati | |

Q.II. Answer the following questions.

2x5=10

1. a) Write a note on Biopiracy

OR

b) Explain morphology habitat and ethanobotanical uses of tribulus terrestris.

2. a) Role of modern medicine in ethanobotany with special example Withania.

OR

b) Give a brief account on any 6 Major Ethnic Group of India

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B.Sc VI-SEMESTER FIRST INTERNAL EXAMINATION, JULY-2023

PAPER TITLE : SEC:ETHNOBOTANY

TIME: 1hr

PAPER CODE: BOTSEC6.3

MAX.MARKS:20

DATE: 10/07/2023

Instructions: All the sections are compulsory, Draw neat labeled diagram wherever necessary

Q.I. Answer any FIVE of the following in 2 or 3 sentences.

5X2=10

- | | |
|---------------------|---------------|
| 1. Corymbose raceme | 2.Intoxicants |
| 3. Gloriosa superba | 4. Khasi |
| 5. Bisexual flowers | 6. Resins |
| 7. Ethanarcotics | |

Q.II. Answer the following questions.

2x5=10

1). a) Brief account on plant used by the tribals as food plants.


OR

b) Explain morphology habitat and ethanobotanical uses of *cassia auriculata*

2) a) Write a morphology habitat and ethanobotanical uses of *Azadirachta indica*

OR

b) Give a brief account on scope of ethanobotany.


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b) Give a brief account on scope of ethanobotany.


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