

Programme: B. Sc. Botany

| | Semeste | er – II | | | |
|-----------------------|---------------|------------|-------------|--|--|
| Environmental Studies | | | | | |
| Code : 18UAEV21 | Hrs/ Week : 2 | Hrs/Sem:30 | Credits : 2 | | |
| Course Outcomes: | | | | | |

Upon completion of this course, the students will be able to

1. Recognize the biotic and abiotic components of ecosystem and how they function

2. Use natural resources more efficiently and know more sustainable ways of living

3. Acquire an attitude of concern for the environment

4. Participate in improvement and protection of environment

5. Manage unpredictable disasters

6. Create awareness about environmental issues to the public

Criterion I

SSR Cycle V

| SEMESTER VI | | | |
|---------------|-------------|------------------|------------|
| Core XI | Marin | ne Botany | |
| Code:18UBOC62 | Hrs/week: 5 | Hrs/semester: 75 | Credits: 4 |

Course Outcome

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| CO. No. | Upon completion of this course, students will be able to | PSO addressed | CL |
|---------|---|------------------|----|
| CO-1 | analyze how marine organism adapt to their dynamic environment | 5 | Un |
| CO-2 | understand the marine environment and classify them | 7 | Un |
| CO-3 | able to signify the characteristic feature of sandy shore and sand dunes and their economic importance | 1 | An |
| CO-4 | achieve practical skills in processing, preserving and culturing marine plants | 6 | Ev |
| CO-5 | evaluate the uses of marine resources and realize the role of marine plants in the economy of the ocean | 5 | Ap |
| CO-6 | able to signify the characteristic feature of coral reefs and their role in biodiversity conservation | 1 | An |
| CO-7 | able to identify and understand the role of mangroves in coastal protection and their adaptation to its hostile environment | 5 | Ар |
| CO-8 | explain the ecological relationship between organisms and their environment | 2 | An |

Criterion I

SSR Cycle V

| Jpon completion of this course, the students will be able to Recognize the biotic and abiotic components of ecosystem and how they function Use natural resources more efficiently and know more sustainable ways of living Acquire an attitude of concern for the environment Participate in improvement and protection of environment Manage unpredictable disasters | | UAEV21 Hrs/Week : 2 Hrs/Sem:30 Credits : 2 omes: etion of this course, the students will be able to the biotic and abiotic components of ecosystem and how they function I resources more efficiently and know more sustainable ways of living attitude of concern for the environment in improvement and protection of environment in improvement and protection of environment in improvement and protection of environment | | Semester – | II | |
|---|--|---|--|--|------------|-------------|
| Course Outcomes: Upon completion of this course, the students will be able to . Recognize the biotic and abiotic components of ecosystem and how they function . Use natural resources more efficiently and know more sustainable ways of living . Acquire an attitude of concern for the environment . Participate in improvement and protection of environment . Manage unpredictable disasters | Course Outcomes: Upon completion of this course, the students will be able to 1. Recognize the biotic and abiotic components of ecosystem and how they function 2. Use natural resources more efficiently and know more sustainable ways of living 3. Acquire an attitude of concern for the environment 4. Participate in improvement and protection of environment 5. Manage unpredictable disasters | omes: the biotic and abiotic components of ecosystem and how they function a resources more efficiently and know more sustainable ways of living attitude of concern for the environment in improvement and protection of environment predictable disasters reness about environmental issues to the public | | Environmental S | Studies | |
| Jpon completion of this course, the students will be able to Recognize the biotic and abiotic components of ecosystem and how they function Use natural resources more efficiently and know more sustainable ways of living Acquire an attitude of concern for the environment Participate in improvement and protection of environment Manage unpredictable disasters | Upon completion of this course, the students will be able to 1. Recognize the biotic and abiotic components of ecosystem and how they function 2. Use natural resources more efficiently and know more sustainable ways of living 3. Acquire an attitude of concern for the environment 4. Participate in improvement and protection of environment 5. Manage unpredictable disasters | etion of this course, the students will be able to the biotic and abiotic components of ecosystem and how they function a resources more efficiently and know more sustainable ways of living attitude of concern for the environment in improvement and protection of environment predictable disasters reness about environmental issues to the public | Code : 21UAEV21 | Hrs/ Week : 2 | Hrs/Sem:30 | Credits : 2 |
| Jpon completion of this course, the students will be able to Recognize the biotic and abiotic components of ecosystem and how they function Use natural resources more efficiently and know more sustainable ways of living Acquire an attitude of concern for the environment Participate in improvement and protection of environment Manage unpredictable disasters | Upon completion of this course, the students will be able to Recognize the biotic and abiotic components of ecosystem and how they function Use natural resources more efficiently and know more sustainable ways of living Acquire an attitude of concern for the environment Participate in improvement and protection of environment Manage unpredictable disasters | etion of this course, the students will be able to the biotic and abiotic components of ecosystem and how they function a resources more efficiently and know more sustainable ways of living attitude of concern for the environment in improvement and protection of environment predictable disasters reness about environmental issues to the public | Course Outcomes: | | · | |
| Recognize the biotic and abiotic components of ecosystem and how they function Use natural resources more efficiently and know more sustainable ways of living Acquire an attitude of concern for the environment Participate in improvement and protection of environment Manage unpredictable disasters | Recognize the biotic and abiotic components of ecosystem and how they function Use natural resources more efficiently and know more sustainable ways of living Acquire an attitude of concern for the environment Participate in improvement and protection of environment Manage unpredictable disasters | the biotic and abiotic components of ecosystem and how they function I resources more efficiently and know more sustainable ways of living attitude of concern for the environment in improvement and protection of environment predictable disasters reness about environmental issues to the public | | course the students will | he able to | |
| Use natural resources more efficiently and know more sustainable ways of living Acquire an attitude of concern for the environment Participate in improvement and protection of environment Manage unpredictable disasters | 2. Use natural resources more efficiently and know more sustainable ways of living 3. Acquire an attitude of concern for the environment 4. Participate in improvement and protection of environment 5. Manage unpredictable disasters | I resources more efficiently and know more sustainable ways of living attitude of concern for the environment in improvement and protection of environment predictable disasters reness about environmental issues to the public | | | | v function |
| Acquire an attitude of concern for the environment Participate in improvement and protection of environment Manage unpredictable disasters | 3. Acquire an attitude of concern for the environment 4. Participate in improvement and protection of environment 5. Manage unpredictable disasters | attitude of concern for the environment in improvement and protection of environment predictable disasters reness about environmental issues to the public | | | | |
| . Participate in improvement and protection of environment | Participate in improvement and protection of environment Manage unpredictable disasters | in improvement and protection of environment predictable disasters reness about environmental issues to the public | | | | of living |
| . Manage unpredictable disasters | 5. Manage unpredictable disasters | predictable disasters reness about environmental issues to the public | | | | |
| | | reness about environmental issues to the public | 4. Participate in improver | nent and protection of envi | ronment | |
| Create awareness about environmental issues to the public | 6. Create awareness about environmental issues to the public | | 5. Manage unpredictable | disasters | | |
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| | SEMESTER | VI | |
|-----------------------|---------------|------------------|------------|
| Core XII | Marine Biolog | gy | |
| Course Code: 21UBOC64 | Hrs/week: 4 | Hrs/semester: 60 | Credits: 4 |

Course Outcomes:

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| CO. No. | Upon completion of this course, students will be able to | PSO | CL |
|------------|--|-----------|--------|
| | | addressed | |
| CO-1 | understand the marine environment and classify | 1 | Un, |
| | them and analyze how marine organism adapt to their | | An |
| | dynamic environment | | |
| CO-2 | able to signify the characteristic feature of phytoplanktons | 5 | Re |
| | sea weeds sea grass their ecology and their economic | | |
| | importance | | |
| CO-3 | achieve practical skills in processing, preserving and | 6 | Ev |
| | culturing marine plants | | |
| CO-4 | evaluate the uses of marine resources and realize the role | 5 | Ар |
| | of marine plants in the economy of the ocean | | 100000 |
| CO-5 | able to signify the characteristic feature of mangroves, | 5 | An |
| | coral reefs and their role in coastal protection and | | |
| | biodiversity conservation | | |
| CO-6 | explain the ecological relationship between organisms | 2 | An |
| | and their environment | 1. | |
| Marine and | | | |

Luis Rose

Principal St. Mary's College (Autonomous) Thoothukudi-628 001.

Criterion I

SSR Cycle V