

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

B.TECH. DEGREE I SEMESTER REGULAR/SUPPLEMENTARY EXAMINATION IN MARINE ENGINEERING MAY 2021

19-208-0106 ENVIRONMENTAL STUDIES AND TECHNICAL COMMUNICATION (2019 Scheme)

Time: 30 Minutes [for Answering and Scanning/Uploading the page of the Answer Sheet]

Max. Marks: 9

INSTRUCTIONS

1. You have to be available in Google Meet Video Camera throughout the examination hours.
2. Those students who are not present through Google Meet Video Camera will not be permitted to write the online examination.
3. You have to share your '**live location**' to the faculty before uploading the answer sheet.
4. You have to answer only one question.
5. You have to write register number, subject code and module/group number (as given in the question paper) in each page.
6. Answer may not exceed one page of an A4 size paper in a standard handwriting, as far as possible.
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MODULE - I

(Answer **ANY ONE** question)

I(1). What is meant by Ecological succession? Narrate the steps involved in the process of Ecological succession. Mention primary and secondary succession. (9)

OR

I(2). (a) Assess the impact of forest fire on ecosystem. (3)

(b) Analyse the advantage of generalist species over the specialist species in ecosystems. (3)

(c) Consider the following sites: (3)

Site A with 3 species namely- *a*, *b* and *c*

Site B with 4 species namely- *b*, *c*, *d* and *e*

If so, Calculate the following parameters.

(i) Alpha diversity of Site A and Site B?

(ii) Beta diversity between Site A and Site B?

(iii) Gamma diversity of the sites?

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MODULE - II

(Answer *ANY ONE* question)

- II(1). Narrate the process of waste water treatment with all steps involved. (9)
- OR**
- II(2). (a) Assess the problems involved in the resettlement and rehabilitation of people associated with a dam construction for a hydroelectric project. (5)
- (b) How will you co-ordinate and manage a disaster called flood, when you will get a chance to do so as an individual? Mention and justify the role of all possible technologies and medias. (4)

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MODULE - III

(Answer *ANY ONE* question)

- III(1). (a) Give an account of the barriers of communication. (5)
- (b) ABC company has recently introduced a policy of subsidizing 50% of the tuition fee of employees' children. As Amy Ring, the Head of Human Resources Department, write a memo for announcing this policy. (4)
- OR**
- III(2). (a) You, as the Head of the Customer Service of Ted & Sons, received a letter from one of your customers regarding the late delivery of the dining set that was ordered. The dining set was also ruptured when it was delivered. The customer is seeking a refund or replacement. (5)
- Write a response letter to the customer. Invent necessary details.
- (b) What are the features of a good report? (4)

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MODULE - IV

(Answer **ANY ONE** question)

- IV(1). (a) Identify the tense form of the sentences given below. (3)
- (i) I have had a bad sting in my eye.
 - (ii) The train will have been running tomorrow.
 - (iii) Will she have finished her report by the end of September?
- (b) Transform the following sentences into active voice. (3)
- (i) When was the mail delivered by the mailman?
 - (ii) You will be told later by Joel.
 - (iii) Ten movies had been acted by Luc Ollivier before 2011.
- (c) Use the correct tense form of the verb. (3)
- (i) Don't disturb the baby. She (sleep) now.
 - (ii) I (write) a novel when I was 10.
 - (iii) When he entered my room, I (to do) my homework.

OR

(Continued to 2)

(2)

- IV(2). (a) Fill in each of the blanks with the correct form of the present tense. (4)
- (i) Lavender _____ English class every week. (attend).
 - (ii) I _____ in my room for the past two hours. (paint).
 - (iii) Andre is not here. He _____ a dinner party in Barcelona. (attend).
 - (iv) My mom _____ my family since my father passed away. (support).
- (b) Transform the following sentences into passive voice. (5)
- (i) Were they not carrying the injured player off the field?
 - (ii) Where did Greg find his ring?
 - (iii) She will have accepted the offer by tomorrow.
 - (iv) The player had hit the ball strongly.
 - (v) Jean made dinner tonight.

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MODULE - V

(Answer **ANY ONE** question)

- V(1). (a) What are the vocal cues in effective communication? (3)
(b) Explain briefly the four components employers look for in group discussions as part of the selection process. (6)

OR

- V(2). (a) What are the listening traits of a good listener? (3)
(b) Explain briefly the skills and attributes most employers look for in interviews. (6)
