

**ENVIRONMENT
STUDIES**

2015-16

Verified by IQAC EMEA-2019

SYLLABUS

COURSE: CERTIFICATE COURSE IN ENVIRONMENT STUDIES

Course Code: EVS 01

Total Contact Hours: 60

Summative Evaluation: 30 Marks

Continuous Evaluation: 10 Marks

Course Outcome

1. Understand core concepts in environmental studies.
2. Appreciate the links between human and natural systems.
3. Appreciate the context of environmental issues
4. Appreciate the uniqueness of Western Ghats region
5. Understand biodiversity

Module 1: Environment (contact Hours: 10)

- 1.1 Meaning, constituents and types
- 1.2 Man and environment : Determinism, Possibilism and Ecological

Approaches

- 1.3 The need for environmental studies

Module 2: Biodiversity (contact Hours: 10)

- 2.1 Definition, concept and values of bio diversity
- 2.2 Biodiversity of Kerala- Western Ghats as a hotspot of bio diversity
- 2.3 Threats to Biodiversity(Habitat loss, man-wild life conflicts)

Module 3: Conservation (contact Hours: 10)

- 3.1 Meaning, methods and importance
- 3.2 Conservation and Forest department
- 3.3 Forest Resources: Uses and exploitation of forests

Module 4: Field Work (30 Hours)

All students are required to undertake the following field/practical work

- 4.1 Visit to a western Ghats area to identify and document assets/ecosystem-rivers/forest/grassland/mountain area(8 marks)
- 4.2 To participate in environment protection drive(2 marks)

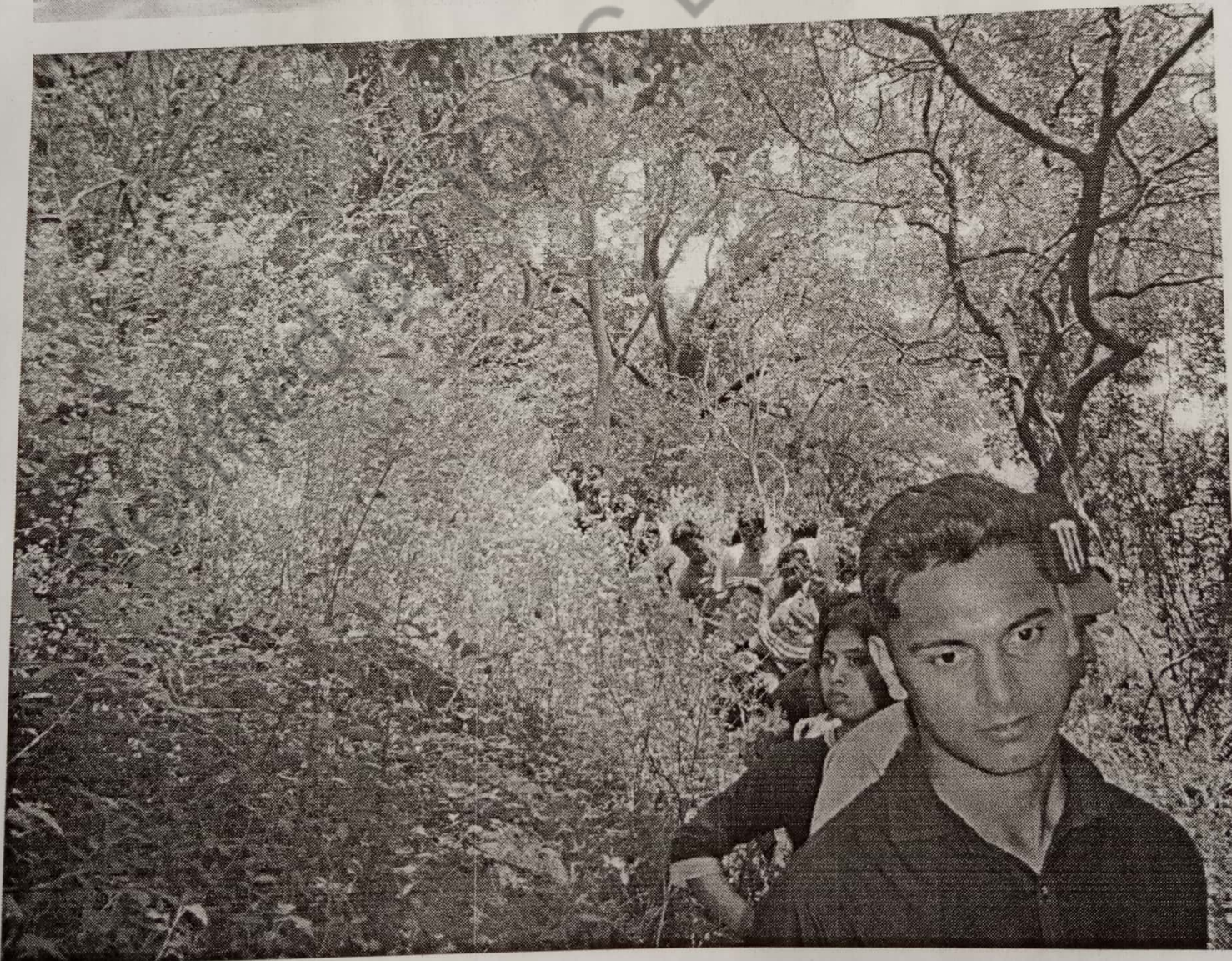
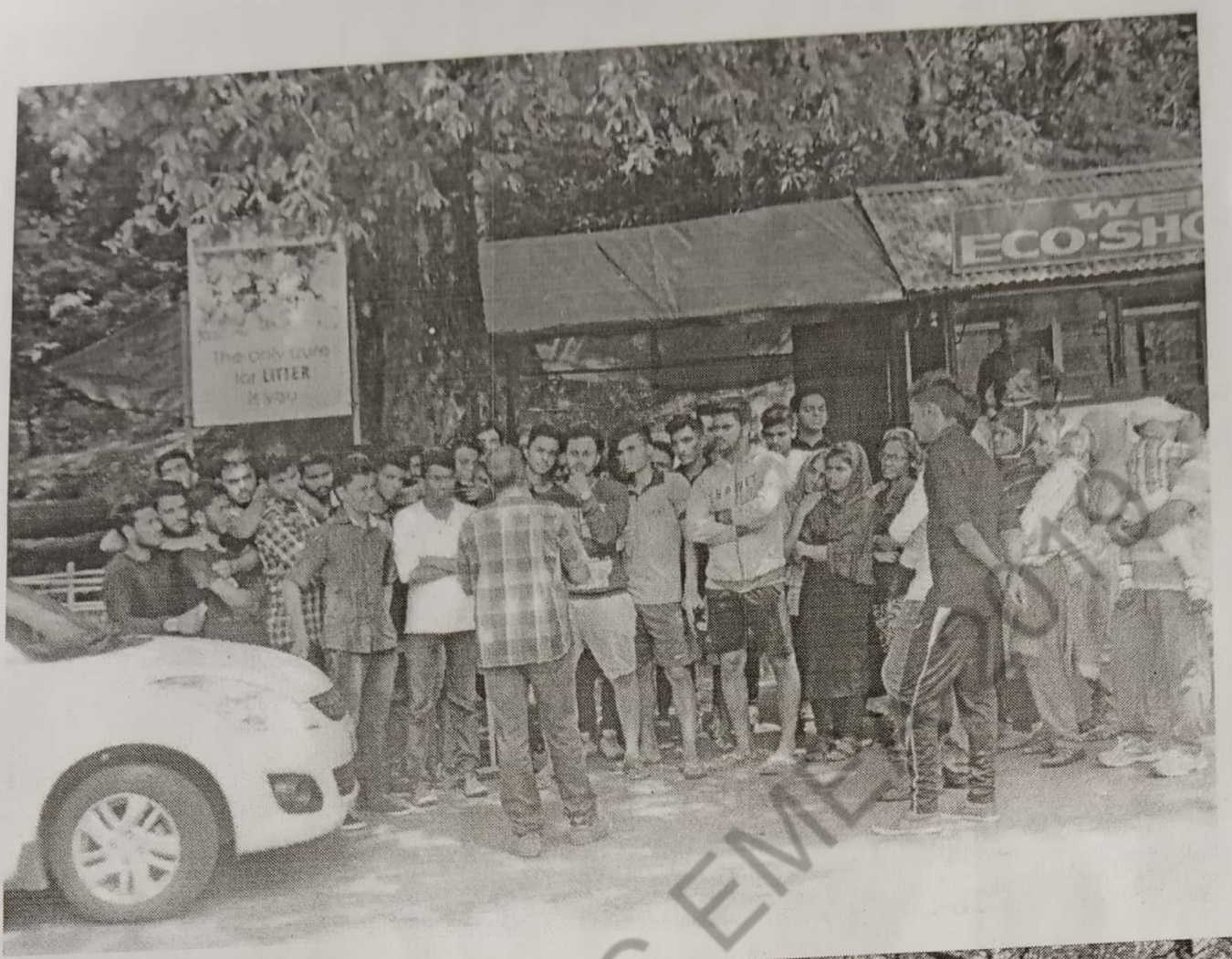
Reference

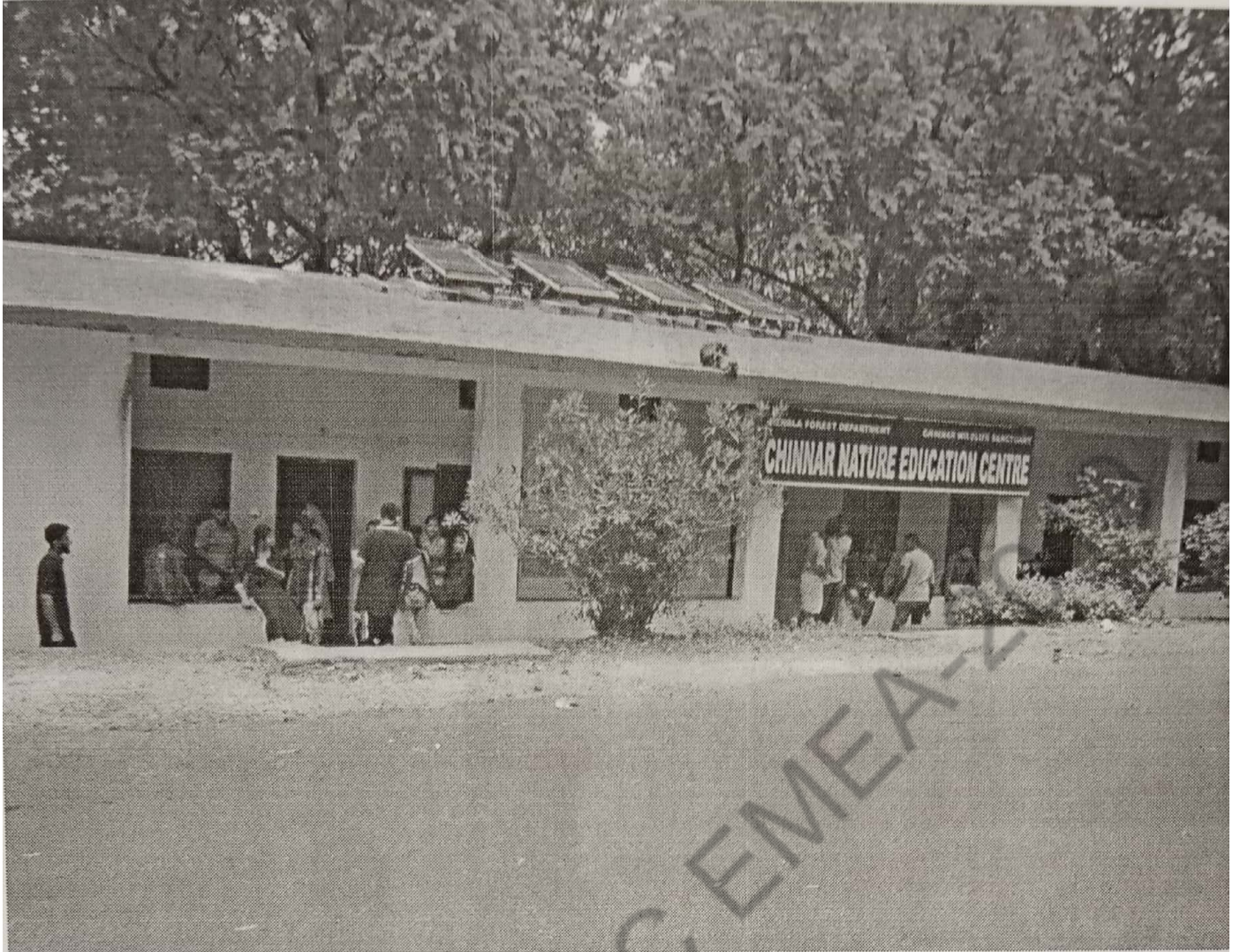
NATURE CAMP AT PERIYAR TIGER RESERVE-SCHEDULE

DATE	TIME	PLACE
13-12-2015(SUNDAY)	9.30 pm	KONDOTTY
14-12-2015(MONDAY)	6.00 am	KUMALI
	9.15.00am	TEKKADY BOATING
	11.00am	GUDALLUR (KAMBAM -TENI ROUT)
Camp starts at 4 Pm and ends on 16-12-2015 At 10 am		
16-10-2015	4 PM	WAGOMON
	7.30pm	DINNER AT KOTTATTUKULAM
17-12-2015	5.30am	KONDOTTY

Attendance of participants

SI NO	NAME	M/F	8/10/2015	14/12/2015	15/12/2015	16/12/2015
1	SAHEERA.E	F	x	x	x	x
2	PRIYA RAMAN, EK	"	x	x	x	x
3	MOHAMMED ADIL.VP	M	x	x	x	x
4	ANOOP.K	"	x	x	x	x
5	MOHAMMED ADHAM, KK	"	x	x	x	x
6	ANAS.PK	"	x	x	x	x
7	HASAN JAVAD	"	x	x	x	x
8	NIYASUDHEEN, KP	"	x	x	x	x
9	MASOOK MOHAMMED, PK	"	x	x	x	x
10	ARSHAD SABU, P	"	x	x	x	x
11	FAYIS	"	x	x	x	x
12	SADIQUE ALI, MULLAN	"	x	x	x	x
13	MOHAMMED MUKTAR, P	"	x	x	x	x
14	MOHAMMED MARZUQ ALI	M	x	x	x	x
15	MUHAMMED ARFAD, CV	"	x	x	x	x
16	SUMAYYA ETHA	F	x	x	x	x
17	RASHIDA, PK	"	x	x	x	x
18	FATHIMA SAGEERA, KT	"	x	x	x	x
19	HASBIRA, K	"	x	x	x	x
20	SHADIYA	"	x	x	x	x
21	SUHAIL	M	x	x	x	x
22	IMTIYAS,	"	x	x	x	x
23	FASIL,	"	x	x	x	x
24	SANJEED SAREER, N	"	x	x	x	x
25	JASEEL, CP	"	x	x	x	x
26	FAHIS, NH	"	x	x	x	x
27	ASWANI, E	"	x	x	x	x
28	RAGI, K	"	x	x	x	x
29	SUHAIB	"	x	x	x	x
30	ASHIQ RAHMAN	"	x	x	x	x
31	AJMAL	"	x	x	x	x
32	FAHIS	"	x	x	x	x
33	FAIROOS MOHAMMED	"	x	x	x	x
34	ASHIR	"	x	x	x	x
35	SUBIN, N	"	x	x	x	x
36	FAWAS	"	x	x	x	x
37	ANFAS	"	x	x	x	x
38	SAMEEH, PK	"	x	x	x	x
39	AMAL	"	x	x	x	x





COURSE: CERTIFICATE COURSE IN ENVIRONMENT STUDIES

QUESTION PAPER

Time: 30 Minutes

Maximum: 30 marks

Answer all questions .Each question carries 2 marks

1. The 'Red Data Book' is the documentation of rare and endangered species belonging to which of the following?

- 1) Animals 2) Plants 3) Fungi

Select the correct option from the codes given below:

- a) Only 1
- b) 1 and 2
- c) 2 and 3
- d) 1, 2 and 3

2. The Mahesh Rangrajan Committee has recommended the amendment of the Wild Life Protection Act for which among the following purposes?

- a) To give legislative protection to Elephant Reserves
- b) To set up National Elephants Conservation Authority (NECA)
- c) To establish Elephant Corri
- d) All of above

3. India's first National Centre for Marine Bio-diversity (NCMB) is located in:

- a) Bhavnagar
- b) Jamnagar
- c) Mumbai
- d) Pondicherry

4. One greenhouse gas contributes 14% to total global warming and another contributes 6%. These are respectively identified as

- a) N₂O and CO₂
- b) CFCs and N₂O
- c) Methane and CO₂
- d) Methane and CFCs
- e) CFCs and CO₂

5. The concept that 'population tends to increase geometrically while food supply increases arithmetically' was put forward by

- a) Adam Smith
- b) Charles Darwin
- c) Thomas Malthus
- d) Stuart Mill

6. A high Biological Oxygen Demand (BOD) indicates that:

- a) water is pure
- b) absence of microbial action
- c) Low level of microbial pollution
- d) High level of microbial pollution

7. Which of the following group of gases cause photochemical smog?

- a) Ozone, PAN and CO
- b) HC, NO and PAN
- c) O₂, PAN, and NO₂
- d) O₃, PAN and NO₂

8. Exponential growth occurs when there is

- a) a great environmental resistance
- b) no environmental resistance
- c) no biotic potential
- d) a fixed carrying capacity

9. In a pyramid of numbers, in a grassland ecosystem, the largest population is that of

- a) Producers
- b) Tertiary Consumers
- c) Secondary consumers
- d) Herbivores
- e) Primary consumers

10. CMDRF, which is a donation portal for victims of Kerala floods, stands for:

- a) Chief Minister's Disaster Relief Fund
- b) Chief Minister's Distress Relief Fund
- c) Chief Management Donation Relief Fund
- d) None of the above

11. Which among the following option is incorrect Location of India's Biosphere Reserves?

- a) Nilgiri Biosphere Reserve – Tamilnadu
- b) Nokrek Biosphere Reserve – Meghalaya
- c) Similipal Biosphere Reserve – Orrisa
- d) Dehang-Debang Biospher

12. Which among the following is the most correct statement in context with Carbon footprint?

- a) It is a administrative approach used to control pollution by providing economic incentives for achieving reductions in the emissions of pollution

- b) It is a unit under the Kyoto Protocol representing a reduction of greenhouse gases under the Joint Implementation mechanism
- c) It is a measure of Green house gas emissions by a product
- d) All of above are correct

13. MAB stands for

- a) Man, antibiotics and bacteria
- b) Man and biotic community
- c) Man and biosphere
- d) Mayer, Anderson and Bisby

14. Ecotype is a type of species in which environmentally induced variations are

- a) Temporary
- b) Genetically fixed
- c) Genetically not related
- d) None of the above

15. Which of the following regarding ecological pyramids is not correct?

- a) In most ecosystems, the pyramid of numbers and biomass are up right
- b) In tree dominated ecosystem the pyramid of numbers is inverted
- c) The pyramid of energy expresses mainly the rate of food production
- d) In deep water ecosystem, the pyramid of biomass is upright
- e) The total energy flow at successive tropical level always decreases

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COLLEGE OF ARTS & SCIENCE


AIDED BY GOVT. OF KERALA
AFFILIATED TO THE UNIVERSITY OF CALICUT
RE-ACCREDITED WITH A BY NAAC

NATURE CLUB

CERTIFICATE

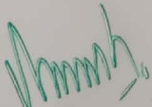
This is to certify that Mr./Ms. ANOOP. K
of IIIrd Sem B.T has successfully completed the Certificate Course in
Environment Studies (Course Duration- Sixty Hours) conducted by Nature Club
during the academic year 2015-16


Course Co-Ordinator


Principal

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