

**M.Sc. ENVIRONMENTAL SCIENCE
SECOND SEMESTER
NATURAL RESOURCES & BIODIVERSITY
MEV-201**

Duration: 3 Hrs.

Full Marks: 70

{ Part: A (Objective) = 20 }
{ Part: B (Descriptive) = 50 }

[PART-B: Descriptive]

Duration: 2 Hrs. 40 Mins.

Marks: 50

[Answer question no. One (1) & any four (4) from the rest]

1. Discuss the biogeographic zones of India. (10)
2. What is biodiversity hotspot? When a region can be declared as biodiversity hotspot? Write briefly on biodiversity hotspots in India. (2+3+5=10)
3. What is Intellectual Property Rights? What are different types of rights provided? Write the importance of IPR in conservation of biodiversity. (2+5+3=10)
4. Write a short note on *any two*: (5+5=10)
 - a) TKDL
 - b) Sustainable ecotourism
 - c) IUCN Red List categories
5. Define natural resource. Categorize mineral resources. State the impact of mining activities on different components of environment. (1+2+7=10)
6. How wind energy could be harnessed? Write the merits and demerits of wind energy. (6+4=10)
7. Define wildlife. Discuss about the threats and conservation methods for wildlife. (1+3+6=10)
8. How forest could be conserved legally? Mention the drawbacks of this legal issue. (8+2=10)

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[PART-A: Objective]

Choose the correct answer from the following:

1X20=20

1. In 2012 IUCN recognized _____ Red List categories.
a. 9
 b. 12
c. 16
d. None of these
2. India has around _____ % of world's species diversity.
a. 8
 b. 12
c. 28
d. None of these
3. Which portion of India belongs to Sundaland biodiversity hotspot?
a. Nicobar island
 b. Andaman island
c. Lakshadweep island
d. Topu island
4. The Geographical Indications of Goods (Registration and Protection) Act. was passed in:
a. 1999
 b. 2000
c. 2001
d. 2002
5. The Protection of Plant Varieties and Farmer's Right Act was passed in:
a. 2001
 b. 2002
c. 2005
d. 2010
6. Which IPR type is administrated by Ministry of Commerce and Industries?
 a. Trademarks
b. Copyright
c. Patent
d. Layout-Design

7. Pellagra occurs due to deficiency of:
a. Carbohydrate
 b. Fats
c. Lysine
d. Iodine
8. In a balanced diet, the quantity of leafy vegetables for non-vegetarians should be:
 a. 50 g
b. 100 g
c. 200 g
d. None
9. Pesticide Malathion belongs to:
 a. Organochlorine
b. Organophosphate
c. Carbamates
d. Neonicotinoids
10. India has a solar pond project in:
 a. Rajasthan
b. Gujarat
c. Madhya Pradesh
d. None
11. SNG is made up of:
 a. Coal
b. Petroleum
c. Natural gas
d. Biogas
12. The headquarter of National Biodiversity Authority is in:
 a. Mumbai
b. Chennai
c. Kolkata
d. Delhi
13. Biodiversity heritage site is notified by:
 a. Central government
b. State government
c. MoEFCC
d. all
14. Climate change was the theme for CBD in the year:
 a. 2006
b. 2007
c. 2008
d. 2009

15. WWF came into existence in India during:

- a. 1969
- b. 1979
- c. 1999
- d. None

16. How many appendix are there in CITES?

- a. 2
- b. 3
- c. 4
- d. 5

17. How many mega diversity countries belong to Asia?

- a. 4
- b. 8
- c. 12
- d. None

18. As biogeographic zone of India, North East Region occupies:

- a. 5.2 %
- b. 8.2 %
- c. 12.2 %
- d. 24.2 %

19. TKDL is classified based on medicinal system of:

- a. Ayurveda, Unani, Sidhha and Yoga
- b. Unani, Siddha and Yoga
- c. Ayurveda, Siddha and Yoga
- d. Ayurveda and Yoga

20. Traditional Knowledge Resource Classification is incorporated under International Patent Classification of:

- a. A 61K 36/00
- b. A 61K 39/00
- c. A 61K 49/03
- d. None

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UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA



Question Paper CUM Answer Sheet

[PART (A) : OBJECTIVE]

Serial no. of the main
Answer sheet

Course :

Semester : Roll No :

Enrollment No : Course code :

Course Title :

Session : 2016-17 Date :

Instructions / Guidelines

- The paper contains twenty (20) / ten (10) questions.
- The student shall write the answer in the box where it is provided.
- The student shall not overwrite / erase any answer and no mark shall be given for such act.
- Hand over the question paper cum answer sheet (Objective) within the allotted time (20 minutes / 10 minutes) to the invigilator.

Full Marks	Marks Obtained	Remarks
20		

Scrutinizer's Signature

Examiner's Signature

Invigilator's Signature