

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2020

Course Name : Advance in Environmental Science

Semester : III

Programme Name : M. Sc. Chemistry

Time : 03 Hrs

Course Code : HSFS 8023

Max. Marks : 100

Nos. of page(s) :4

Instructions: Please attempt all questions from Section “A”, Section “B” and Section “C” however internal choice is given in question no. 11 and in question no. 12.

SECTION A

1. Each Question will carry 5 Marks

2. Instruction: Please attempt all questions.

SN	Questions	MM	CO
Q.1.	<p>Fill in the Blanks :</p> <p>i) ----- are salt-tolerant forest ecosystems found mainly in tropical and sub-tropical inter-tidal regions of the world.</p> <p>ii) ----- is defined as an orderly process of changes in community structure and function with time mediated through modifications in the physical environment and ultimately culminating in a stabilized ecosystem known as climax.</p> <p>iii) ----- forestry involves intensive plantation of trees on available land or on land not under agriculture with the aim of fulfilling the commercial demand ,without causing denudation of natural forests.</p> <p>iv) ----- is the process in which small droplet of oil which are bigger then dissolve molecules get incorporated into water in the form of dilute- oil water suspension.</p> <p>v) The ----- EIA is a widely used methodology, which would mainly use available data along with baseline Environmental data collected for one season (preferably winter), for evaluating all possible impacts on the components of Environment.</p>	5	CO1
Q.2.	<p>Write T & F for the followings.</p> <p>i) The discipline of Process Safety Information involves studying how employees relate physically and psychologically with their working environment.</p>	5	CO1

	<p>ii) The Brundtland Commission was created by the WHO in 1983 to reflect about ways to save the human environment and natural resources and to prevent deterioration of economic and social development.</p> <p>iii) Strip farming is used on steeper slopes are converted into a series of broad terraces which run across the contour.</p> <p>iv) The developed countries acknowledge the responsibility that they bear in the international pursuit of sustainable development in view of the pressures their societies place on the global environment and of the technologies and financial resources they command.</p> <p>v) Non point source of pollution occur when effluent or toxic material is directly discharged into the water body.</p>		
Q.3.	<p>Write full form of the following abbreviations:</p> <p>i) CBD -----</p> <p>ii) MAB -----</p> <p>iii) LCA -----</p> <p>iv) BOD & COD -----</p> <p>v) OTEC -----</p>	5	CO1
Q.4	<p>Choose the correct answer:</p> <p>i) The Air (Prevention and Control of Pollution) Act was passed in the year a) 1980 b) 1981 c) 1982 d) 1983</p> <p>ii) Which chemical acts as a catalyst and destroys Ozone layer? a) Carbon b) Chlorine c) Sulphur d) Nitrogen</p> <p>iii) Suspended solids and floating materials are removed in which stage of waste water treatment? a) Primary b) Secondary c) Tertiary d) Biological treatment</p> <p>iv) Chlorosis and dwarfing in plants is caused due to a) Sulphur dioxide b) Nitrogen dioxide c) Carbon monoxide d) Carbon dioxide</p> <p>v) Itai-Itai diseases caused by a) Mercury b) Lead c) Cadmium e) Iron</p>	5	CO1

	environmental limitations, advantages and environmental implications of renewable energy resources		
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