Total Pages : 8

H-7241

M.Sc. (Semester-IV) Examination, 2022

ENVIRONMENTAL SCIENCE

(Resource Conservation and Sustainable Development)

Time Allowed : Three Hours

Maximum Marks : 70

Minimum Passing Marks : 28

Note : Question paper is divided into four sections. Attempt questions of all the sections as per direction. Distribution of marks is given in each section.

Section - A

(Objective Type Questions)

Note : Attempt **any ten** questions. Each question carry **1** mark.

[10x1=10]

1. (A) Fill in the blanks of the following :

(i) The resources that reproduce within a specified time span are _____.

(ii) Iron ore is _____ resource.

(iii) Scarcity arises when the need for resources is _____ than the availability of it.

(iv) Development emphasizing the availability of resources to meet the needs of future generations is also called as _____.

(v) Petrol and Kerosene are _____ forms of natural resource.

(B) Multiple Choice Types :

(vi) Materials in the environment which have the potential to satisfy human needs but human beings do not have appropriate technology to access them are called :

(a) Potential resource

(b) Stock

(c) Developed resource

(d) Reserve

(vii) The main cause of land degradation in Punjab, Haryana and Western Uttar Pradesh is :

(a) Mining

(b) Over imigation

(c) Deforestation

(d) Over grazing

(viii) In which of the following states mining has caused severe land degration ?

(a) Gujarat

(b) Jharkhand

(c) Kerala

(d) Uttaranchal

(ix) The total degraded land in our country is :

(a) 133 million hectares

(b) 130 million sq. km.

(c) 140 million hectares

(d) 130 million hectares

(x) Land that is left uncultivated for more than five agricultural years is called :

(a) Pasture land

(b) Culturable waste land

(c) Barren land

(d) Current fallow

(xi) Resources that are found every where are termed as :

(a) Localised

(b) Biotic

(c) Ubiquitous

(d) Non-renewable

(xii) Resources drawn from nature and used without much modification are called :

(a) Human made resources

(b) Natural resources

(c) Cultural resources

(d) None of these

Section - B

(Very Short Answer Type Questions)

2. Attempt **any five** questions. Each question carries **02** marks. (25-30 words) [5x2=10]

Define the following terms :

(i) Land Degradation

(ii) Wetland

(iii) Resource taxonomy

(iv) Interlinking of Rivers

(v) Sustainable development

(vi) Joint Forest Management

(vii) Non timber Forest Product

Section - C

(Short Answer Type Questions)

3. Attempt **any five** questions. Each question carries **04** marks. (250 words) [4×5=20]

(i) Types of natural resource

(ii) Benefits of Dam

(iii) Renewable and Recyclable resources

(iv) Desertification

(v) World Food Problems

(vi) Marine Resource

(vii) Sustainable Yield and Carrying Capacity

Section - D

(Essay Type Questions)

4. Attempt **any three** questions. Each question carries **10** marks. (More than 500 words) [3×10=30]

(i) Define the Term Resource. Briefly describe the different forms of resources in nature. Suggest some suitable measures for conservation of Resources. [2+5+3=10]

(ii) Give a short account on Forest Resource of India. Add a note on its management. [6+4=10]

(iii) Explain Chattisgarh as a mineral Rich State. Mention the Environmental impacts of Mining. [5+5=10]

(iv) State the major consequences of modern Agriculture practices. Add a note on sustainable use of Resources. [5+5=10]

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