

KATHMANDU UNIVERSITY
End Semester Examination
July/August, 2024

Marks Scored:

Level : B.Sc.
Year : II

Course : ESEE 211
Semester : I

Exam Roll No. : Time: 30 mins.

F. M. : 20

Registration No.:

Date : 11 AUG 2024

SECTION "A"

[20 Q. × 1 = 20 marks]

Choose and mark [X] in the most appropriate option from each set of choices

- The fundamental developmental infrastructures are built on it and it is also the outer mantle of the earth consisting of different minerals and the soil
 Lithosphere Hydrosphere Biosphere Atmosphere
- Very small amount of important minerals are required for metabolic activities in the animals. Among the followings, comparatively, it is less essential mineral in the human body
 Zinc Selenium Copper Cadmium
- Ozone gas is present both in troposphere and stratosphere. The ozone present in the stratosphere in volume per volume basis is
 250ppm 100ppm 10ppm 1ppm
- Carbon dioxide is produced when carbon and oxygen react each other. What would be the amount (weight) of carbon dioxide when 1 mol of carbon reacts with 1 mol of oxygen?
 44 gram 34 gram 24 gram 14 gram
- In the troposphere, as the altitude increases, air temperature decreases. This phenomenon is also called as "Environmental Lapse Rate" and the rate of it is about
 0.4°C per kilometer 2.4°C per kilometer
 4.4°C per kilometer 6.4°C per kilometer
- The ozone is one of the greenhouse gas and the concentration of it in the atmosphere is measured in the unit called as
 Pascal's unit Dobson unit Chapman's unit Boyle's unit
- An unobstructed region of atmospheric spectrum between 8 – 12 μm through which radiation can escape is also known as
 Spectrum Polar vertex Ozone hole Atmospheric window
- The death of more than 67 vultures in Parasi, Nepal in the year 2021 is associate with the chemical or drug
 Metacide Endosulphan Diclofenac DDT
- Air pollutants can be primary and secondary. Among the followings, it is not the secondary air pollutant
 SO₃ O₃ H₂O₂ CO

