

Indian Association for the Cultivation of Science (Deemed to be University under de novo Category) Master's/Integrated Master's-PhD Program/Integrated Bachelor's-Master's Program/PhD Course

Mid-Semester Examination-Spring 2023

Subject: Know Your Environment Full Marks: 25

Subject Code(s): AEC 1201 Time Allotted: 2 h

Answer Q. 1 and 2 any one from the rest
1 Choose the right answer and justify your answer in one or two sentences. 10x1=10
a. Which of the following is a fossil fuel?
(a) Tar (b) Coal (c) Petroleum (d) All the above
b. Hydropower plants converts the energy of flowing water into
(a) Mechanical energy (b) Tidal energy (c) Wind energy (d) Electricity
c Riotic resources includes
(a) Plants and animals (b) Human population (c) Coal and Oil (d) All the above
d. The most abundantly available fossil fuel in India is
(a) Coal (b) Natural Gas (c) Petroleum (d) Oil
de la lavorio procent in
(a) Troposphere (b) Ionosphere (c) Lithosphere (d) Stratosphere
f Green House Clases are
(a) Carbon mono oxide Carbon dioxide, Methane and Nitrogen
(b) Carbon mono oxide, Sulphur dioxide, Nitric oxide and Methane
(c) Carbon dioxide, nitrogen oxides, methane and CFC
(d) Carbon dioxide, Sulphur dioxide, CFC and methane
I sale is abcomised as
(a) World Environmental Day (b) World Forest Day (c) World Wildlife Day (d)
World Population Day
and the first of the state of t
A 1 sing 2 Department of the Environmental education and awareness c) Using
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Co. Asimobility (a) The Pho of Diverty and number (b) Doctor
i. The Primary Goals of Sustainability (a) The end of poverty and standards of education and healthcare and better sanitation (c) To achieve gender
equality (d) All the above
2. Answer in short.
(a. What is Stockholm+50 and why it is important?
b. Identify the key components of an environment.
b. Identify the key components of an environment. Give two examples of Earth's natural climate change phenomena and explain how it
is different from anthropogenic causes?
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d. What are SDG goals and which conference laid the foundation of 'Transforming the World'?

world?

Name 2 conventional and 2 unconventional sources of nonrenewable energies.

3. Fill in the Gap

5x1=5

(a) The Corriolis effect predicts the direction of the global atmospheric circulation currents like the westerlies, the polar winds or trade winds. Corriolis also affects the directions of the ocean.

(b) The MNRE is the nodal Ministry of the Government of India for all

matters relating to new and renewable energy.

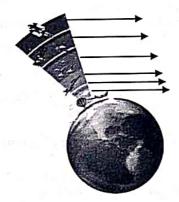
(c) Exposed Archean rocks all around the earth contains geological signature of oldest crust, known as _______.

(d) Rock and fossil evidence indicates that all of the earth's present-day continents were connected in a supercontinent called <u>Pangea</u>.

(e) New crust generates from <u>substdence</u> zones which are highly tectonically active.

4. Label the Layers of Earth's Atmosphere

5



 Label the Layers of Earth's Interior and write down their overall composition and rheology.

