

CISA Mock: 03

Batch 359

LMS: 32691

Day: Wednesday

Date: 5-6-2024

Q1: MCQs

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Q No 2:

a) Defining Global warming

"Global warming can be defined as 'an increase in average temperature of atmosphere of the earth that is ~~is~~ instigated by a myriad of factors.'"

1) Measures that should be taken to counter global warming in COP-29

1- Immediate steps should be taken by member countries to reduce emission of greenhouse gases more specifically of CO₂, Methane and sulphur acid.

2- Ban on the cutting of trees;

In the upcoming global conference on environment issue named as COP-29, countries should formulate laws and strict policies to ban the elimination of trees across the globe. Deforestation is one of the leading causes of global warming that intensifies the imbraglio of menace global warming.

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3- The use of Renewable than Non-Renewable energy should be emphasized in COP-29;

Countries of the earth planet has to adopt the utilization of Renewable energy sources such as wind energy, solar energy to counter the destructive issue of global warming rather than being dependent non-renewable energy that is largely contributing factor of global warming. So, this should be the slogan of the COP-29 that "shift to renewable energy means shift to environment friendly world."

4- Emphasis on the ruralization than Urbanization in the world;

There is no denying the fact that, urbanization has caused an increase in the speeding up of global warming. The world now needs to bring its forces towards enhancing clean and green ruralization. COP-29 should also have a serious policy on ruralization rather than urbanization. By doing this, nature can

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be protected.

5- Afforestation, Reforestation at Maximum level;

COP-29 conference should stress on this point too that countries should make the planting trees their law and whoever violates should be fined and punished.

2- Other Measures to counter the global warming in COP-29 should be taken as

• Ban on burning of fossil fuels

• Ban on plastics at larger level

• Proper implementation of solid waste management

• Electric-based transportation

• Allocation of loss and damage fund for climate catastrophies

• Subject on dealing the disaster climate should be taught worldwide

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Q.No.3

b) The Problems Faced by Solid Waste Management;

1- Improper Mechanism of Garbage Dumping

Solid waste management cannot be improved if the mechanism of garbage is not corrected. The throwing or burying of the garbage into land causes various pollutant factors which damage the environment.

2- Inefficient Labour and Staff;

This is another problem faced by solid waste management, the lack of efficient labour and staff is horrendous problem.

The workers do not the management wasting protocols and ineffectively perform their duties.

3- Lack of Modern Machinery and Tools

Another, grave issue is shortage and absence of modern machinery ~~is~~ that can work in organized way and deal the on-going conundrum of waste management. Example of Japan's machinery
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is at the top that performs the work of waste management in smooth way.

4- Less Allocation of Funds by Governments for the waste Management

The problem of waste management in Pakistan is taken as for granted and non-serious by the both Federal and provincial governments, they in this regard, allocate less budget which is not sufficient to mitigate issue of solid waste management.

5- Excessive use of the plastics

Every year, Pakistan produces tons of plastics that is very lethal not only for the humans but also for animals and plants. As, plastic is hard to be and into land. Plastics cause a massive destruction and puts a roadblock in a way of solid waste management.

So, above discussed are the most damaging problems which should be solved.

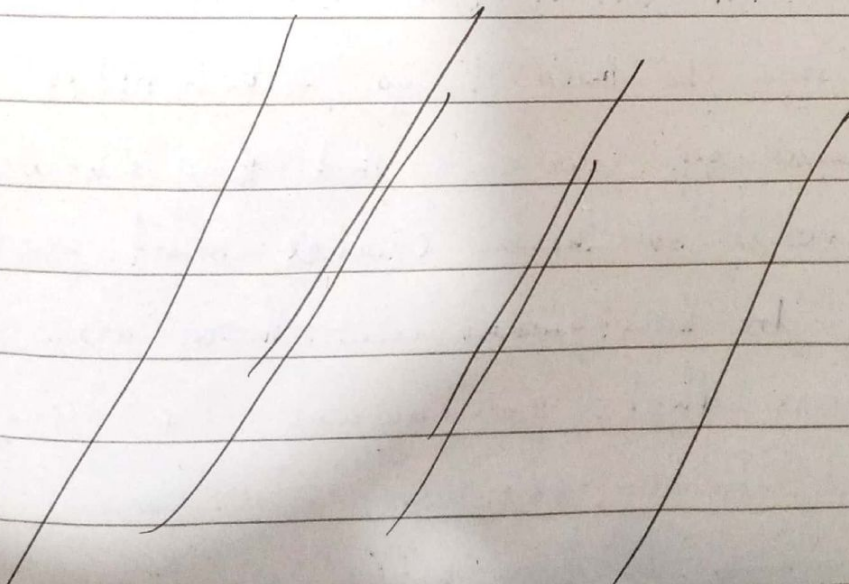
→ what is Dengue Fever?

"Dengue is a type of fever that is caused due to the bite of female mosquito that affects the liver, spleen and immunization system."

2) Symptoms of Dengue Fever;

- i) High temperature
- ii) coldness and shivering
- iii) weak Immunization
- iv) weakness in the body due to less quantity of WBCs
- v) Loss of taste buds
- vi) Pain in body
- vii) Swelling on liver

x _____ x



Q.No.4 (a)

1- Available Sources of Renewable Energy Sources in Pakistan;

- i) wind energy
- ii) Solar Energy
- iii) Tidal energy
- iv) Hydro energy
- v) Nuclear energy
- ~~vi) Geothermal energy~~

2- Policy Suggestions to utilize these Sources to overcome the present energy crisis;

2.1: Taxation Relaxation on all renewable energy sources

Government of Pakistan should give tax wave to those large stakeholders of these energy sources, so that, they inclusively can invest on these sources and provide energy to the government. There are rumours that government is going to put heavy tax on solar panels, this can lead a panic situation.

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2.2) Loans by the government should be given to those people who want to help Pakistan in overcoming energy crisis.

2.3) Government should encourage those foreign companies who are willing to invest in renewable energy sources in Pakistan.

2.4) Proper utilization of renewable energy sources should be done with all precautions of the government.

2.5) Renewable energy sources should be connected to national grids directly to minimize the issue of energy crisis.

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b) Explain the structure of Sun;

"Sun is a star that lights up the earth and it provides fusion energy to the planet earth and other forms of energy."

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1) Major points about Sun

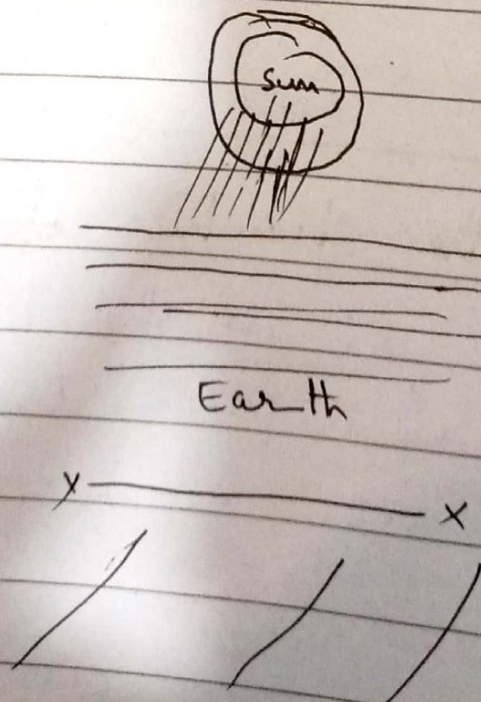
- i) Distance between the earth and sun is 149.6 million km.
- ii) The temperature of the core of sun is 6000°C
- iii) Earth revolves around the sun

2) Structure of sun;

Sun is mainly composed of hydrogen, helium and other elements.

• The Amount of Elements in Composition of Sun

- i) Hydrogen : 90%
- ii) Helium : 8%
- iii) Other elements : 2%



Q.No. 5(a)

1) What is Artificial Intelligence?

"Artificial intelligence is the collection of intelligent machines that consists of smart nano-technology tools which performs duties as per the commands given by its master or user."

Examples of AI;

- i) Chatgpt 4-5
- ii) School-hack
- iii) Asia robot
- iv) Alexa health assistant
- v) Tesla's self-driven cars
- vi) Robots

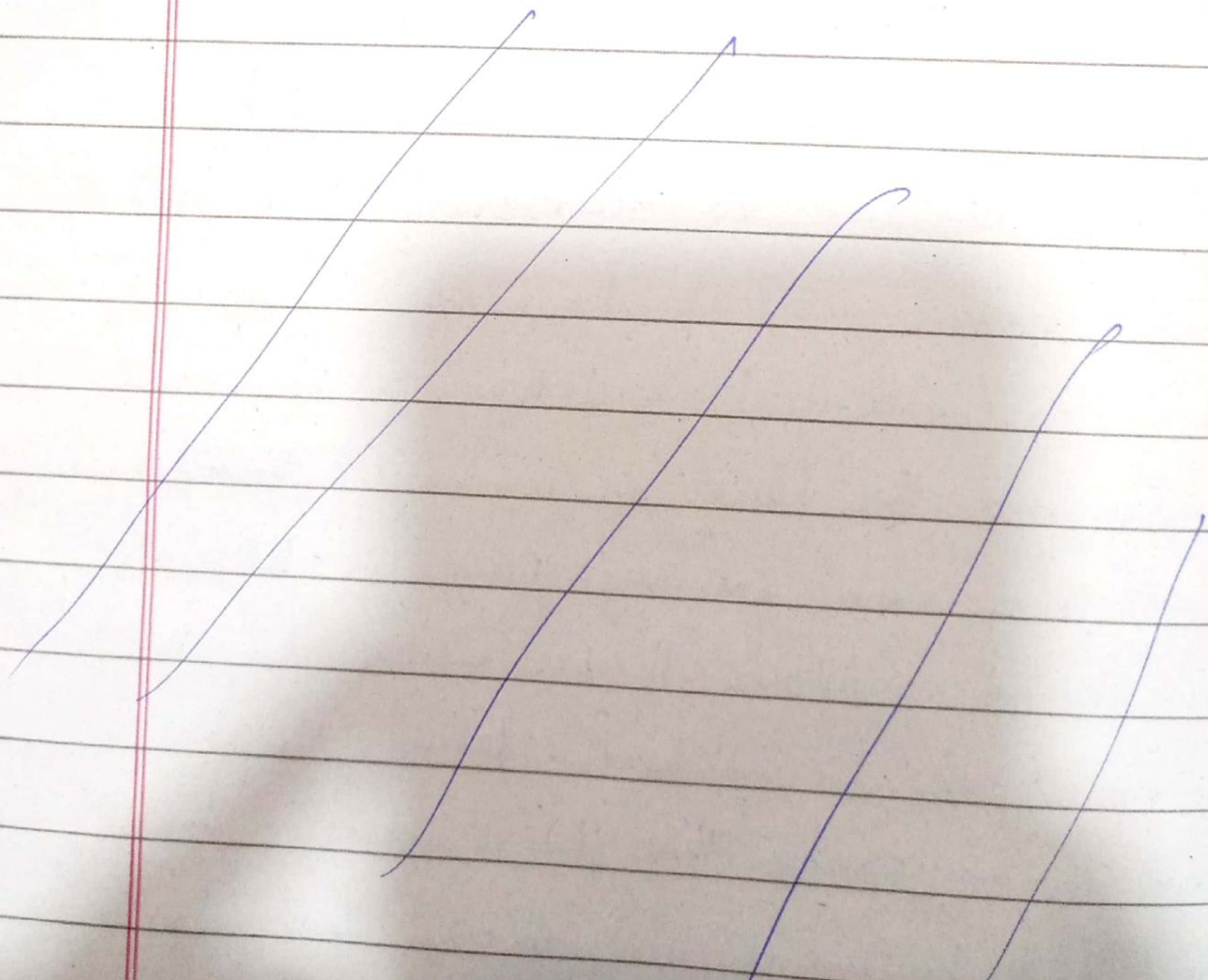
2) Is it possible for Artificial Intelligence to outsmart humans?

In near era, it does not seem possible for artificial intelligence to outsmart or eliminate the value of humans. Ultimately, the masters and command-givers of AI are humankind without their assist AI is nothing just a machine. There is a beacon of assurance that AI cannot entirely wipe out humans but there is also other side of coin, that states that in near future AI can create a

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jobless class that will have to face the music of circumstances. In the era of AI, whoever controls on it cannot be outsmarted. Hence, this debate is the pointless that AI is going to outsmart man because without man AI is a dead tool. Surely, it can be said that AI will replace at some of the places but not in every place.

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Section - II

Day: _____

Date: _____

Q. No 8.

b) 1, 2, 6, 21, 64

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