9-1-24

M Usama Raza

Batch 56

MOCK-8

GSA

SECTION-I

QNO2

(a) Discuss Key features of COP28 in context of Loss and Damage Fund and some other financial issues of COP 28 developing countries.

The Key features of COP 28 are given below

- Creation of Loss and damage:- fund.
- Pledge for net zero carbon emissions by 2050.
- Sustainable cropping techniques.
- Tripling the Renewable energy resources.
- Use of Artificial Intelligence.
- Green energy over Fossil Fuels.
- Creation of Voluntary Carbon markets (VCMS).
- Pledge by Oil Companies to adopt green technologies.

- Priority given to climate vulnerable countries.
- Immediate and Robust release of funds for financialy weak countries.
- E-Vehicles over carbon emission vehicles by 2030.
- Priority to green technologies in every aspect.
- Global participation in COP 28 was beyond expectations.
- COP 28 becomes headlines until it's last day. / Global attention.
- Pakistan represents it's case in very efficient manner.

LDF:- Loss and damage fund is the paramount acheievement of COP 28. Because in the previous Conference of parties pledges were made to support climate hit countries. But these pledges not worked and no release of funds by the donors. Now in COP 28 climate hit countries force economic giants to create LDF for them. It is also

noticed that robust and immediate release of funds will make sure by banks- Pakistan gains attention in COP28 by representing its case in very productive manner. Pakistan pavilion was favourite enclave by tourists-

Global attention:-

COP 28 gain global attention which has not seen in previous Confrence of parties- People from all backgrounds participated to make COP 28 a global event- Engineers, IT Experts, Economists, Farmers, Ethnic Communities, Agriculturalists, Business Tycoons, Dignitaries across globe, Presidents, CEOs etc made COP28 a universal event- Because climate change is global issue and it needs global attention- Dubai was successful in organizing this Climate event- It was like a complete Climate Show-

(d) Discuss any three renewable energy resources under CPEC.

- Quaid-e-Azam Solar Park (Bahawalpur).
- 100MW Three Gorges Second and Third Wind Power Project.
- 720 MW Karot Hydropower project, AJK/Punjab.

* Quaid-e-Azam Solar Park :- is a photovoltaic power station in Bahawalpur with operational capacity of 400 MW and 1.6 million solar modules. Planned capacity is 1000MW. It is completed project of CPEC and Largest Solar plant in Pakistan.

* 100 MW Three Gorges Second and Third Wind Power Project :-

It is wind turbine with installed capacity of 100Mw in Thatta Sindh financed by independent power producer (IPP).

* 720 MW Karot Hydropower project AJK/Punjab:

It is hydel power having installed capacity of 720 MW at duae boundary of Rawalpindi and Kotli and it is Operational. It is build on Run-of of River Je Jhelum.

(c) **Balanced diet :-**

The diet which gives body useful nutrients in order to perform well. Balanced diet consists of all essential nutrients and Vitamins including dietary fibers. It consists of :-

- Fresh Fruits
- Fresh Vegetables
- Whole grains
- Legumes
- Nuts
- Proteins.

Average person needs about 2000 calories a day. Food that provide mainly calories and very

Little nutrition are Known as **Empty Calories**. E.g:- Pizza, Chips, ice cream, processed meats, Cakes.

~~Therefore~~ Balanced diet is necessary, because without it body becomes prone to diseases and Person get sick.

(b) What is: Solid Waste Management ? Discuss different methods.

- Solid Waste Management is the dumping of solid waste using various methods. It includes collecting, treating and disposing of Solid material. Improper disposal of municipal waste can create unsanitary conditions and these conditions lead to pollution

- Hospital waste
- E-Waste
- Domestic Waste
- Industrial Waste

Municipal Solid waste comprises of 40% and food waste less than

10%-

Different methods are used to discard this waste. Some of them are:

- Incineration for organic waste.
- Land fill sites for solid waste.
- Sewage treatment for wastewater.

SECTION-II

Q NO 7

(b).

Men	Days	Hours
195	20	10
x	1.5	13

$$\frac{x}{195} = \frac{20}{1.5} \times \frac{10}{13}$$

$$\frac{x}{195} = \frac{20}{15} \times \frac{10}{13}$$

$$x = \frac{20}{15} \times 195 \times \frac{10}{13}$$

$$x = 2$$

c-

If $A = \{a, e, i, o, u\}$, $U = \{a, b, c, \ldots, z\}$

$A' = \{ U - A$

$A' = \{a, b, \ldots z\} - \{a, e, i, o, u\}$

$A' = \{\phi\}$ → Null Set

d-

Volume = $372\ cm^3$

Height = 3 Km

Perimeter of its base = ?

$c^2 = a^2 + b^2$

$372^2 = 3^2 + b^2$

$372 = 9 + b$

$372 - 3 = b$

$b = 369$