**GEOGRAPHY (UGC.NET)**

**Question:** Given below the following Indian States please consider them :

1. Madhya Pradesh

2. Karnataka

3. Maharashtra

4. Bihar

Put all the following states which were mentioned above in the decreasing order of the % of their Urban population.

Options:

1. 1-3-2-4
2. 3-2-1-4
3. 3-1-2-4
4. 2-4-1-3

**Correct Option:** (b) 3-2-1-4

**Explanation:** In Bihar the urban population is 11.29 %. (4)

In Madhya Pradesh urban population is 27.63 %. (1)

In Karnataka the urban population is38.67 % (2)

In Maharashtra the urban population is 45.22 % (3)

So, we can say that Option b is correct.

• Among all the Union territories and states , The National Capital and Union Territory of India , Delhi and the territory of Chandigarh are most urbanized with 97.5 percent & 97.25 percent urban population, they are followed by Daman and Diu (75.2 percent) and Puducherry (68.3 percent).

• In among the States, in recent time Goa is the most Urbanised State with 62.2 % urban population, an increase since 2001 when the urban population of Goa was 49.8%. Another significant impact of rapid Urbanisation is that of Kerala, its urban population is now 47.7 per cent, while a decade ago it was just 25.9 percent.

•while in the North-Eastern States, the most urbanized is Mizoram with 51.5 per cent urban population, though in terms of absolute contribution to total urban population in country, Mizoram’s contribution is just 0.1 percent. While Sikkim, which was just 11.0 Urbanised a decade ago became almost 25 % Urbanised in 2011.

• measuring major states, the top most urbanized state holding the position is Tamilnadu with 48.4 percent of the population living in urban areas which is followed now by Kerala (47.7 per cent) upstaging Maharashtra (45.2 percent).

• Himachal Pradesh proportion in urban population continues to be the lowest with10.0 percent followed by Bihar with 11.3 percent, Assam (14.1 percent) & Orissa (16.7 percent).

• calculating the absolute no. of persons living in urban areas, Maharashtra continues to be in lead with 50.8 million persons that comprises 13.5 percent of the total urban population of the country. UP accounts for about 44.4 million, followed by Tamil Nadu at 34.9 million.

**Question:** Below given are the following factor raelted to soil, from the following which does not effect in making soil more acidic?

1. High annual rainfall

2. Overuse of nitrogen fertilisers

3. Percolation of ground water in leguminous crops

Which of the following would be the correct option from it?

Options:

1. 1 only
2. 1 and 3 only
3. 1,2 and 3 only
4. 1 and 2 only

**Correct Option:** (d) 1 and 2 only

**Explanation:** Alkaline elements reached when it’s rain which include magnesium, potassium and calcium from the soil into runoff water, leaving acidic elements like Aluminium, manganese and hydrogen to replace the bases. It means that areas which falls under high annual rainfall amounts generally have more acidic soil. So, Statement 1 is correct.

By Applying the Nitrogen Fertilizers to soil the acidity of soil will increase. If the nitrogen fertilization rate is greater, then its soil acidification rate becomes also greater. So, Statement 2 is correct.

Statement 3 is out of the box which does not related to rain as percolation of groundwater does not related to leguminous crops. Hence it is incorrect.

Hence option d is correct.

**Question:** Clouded Leopard is found in which of the following state in its natural habitat in india?

Options:

1. Punjab
2. Himachal pradesh
3. Meghalaya
4. Maharashtra

**Correct Option:** (c) Meghalaya

**Explanation:**

The major sites in India where Clouded Leopard can be found are Sikkim, northern West Bengal, Meghalaya subtropical forests, Tripura, Mizoram, Manipur, Assam, Nagaland and Arunachal Pradesh. So, option (d) is correct.

Clouded leopard:

• It is Named after the cloud shaped pattern on its skin.

• In IUCN list it is listed as Vulnerable species.

• It is Meghalaya’s States animal.

• It has been added to Recovery Programme of India for Critically Endangered Species to aid more research & strengthen conservation efforts.

• these leopard prefers grassland, shrubs, subtropical and dense tropical forest which are up to a height of 7,000 feet emerging from the Himalayan foothills through mainland of Southeast Asia into China.

**Question:** 8000 years old it is the world’s oldest carbon that had been found in the deepest Blue hole and also recently in news. Which of the following statement among best express the meaning of blue hole?

Options:

1. It is called as the 1st stage of a clouded star as it holds more amounts of particles of carbon with centrifugal force
2. It is an ancient fossil which got extracted from Adichanallur site which was naturally holds radioactive Carbon-14
3. It is a marine cavern which gets isolated from the ocean & doesn’t receive fresh rainwater
4. It is an exploded galaxy from which the microwaves were emitted and In space it remains to be the farthest discovered object

**Correct Option:** (c) It is a marine cavern that gets isolated from the ocean and doesn’t receive fresh rain water

**Explanation:** Blue holes refer to a marine caverns which is filled with water and formed following dissolution of carbonate rocks, usually get influence from the global sea level rise or fall. From the surrounding ocean most of its water is isolated and it receive little fresh water from rainfall, which make it a rare spot to study the chemistry of oxygen-deprived marine ecosystems.

What separated and distinguished them from the other aquatic caverns is that they are isolated from the ocean and they don’t get fresh rainwater. They are generally circular, steep-walled and open to surface. So, Option (c) is correct.

Blue hole

• Blue holes refers to a roughly circular marine sinkhole or cavern, which is open to the surface.

• It generally developed in a bank or island which composed of a carbonate bedrock like limestone or coral reef.

• the high transparency of water and bright white carbonate sand causes the deep blue color.

• circulation of water their is poor and they are commonly anoxic after a certain depth, this type of environment is not in favor of most sea life, but nevertheless it can support large numbers of bacteria.

• Some of the significant blue holes are

Dragon Hole which is located in South China Sea

Great Blue Hole which located in Belize

Dean’s Blue Hole, it is located in Bahamas

• Blue holes are distinguished from cenotes in that the latter are inland voids usually containing fresh groundwater rather than seawater.

**Question:** Given below are the following climatic regions:

1. Warm Temperate Eastern Margin

2. Cool Temperate Western Margin

3. Warm Tropic southern Margin

From The climatic regions which are mentioned above which of the following Faces rainfall during the whole year?

Options:

1. 1 and 2 only
2. 1 and 3 only
3. 3 only
4. 1, 2 and 3

**Correct Option:** (c) 3 only

**Explanation:** Cool Temperate Western Margin Climate or British Type Climate or North-West European Maritime Climate are under the effect of the Westerlies all-around the year. These are the regions of Temperate Cyclones also called frontal cyclonic activity. The British climate has adequate rainfall around the whole year with a tendency towards a slight winter maximum (due to the effect of frontal cyclones). So, Statement 1 is correct.

In Warm temperate Eastern Margin, there is fairly uniform or constant distribution of rainfall during the whole year. Rain comes either from the sources which are convectional or as orographic rain in summer, or from depressions in prolonged showers in winter. During the summer, the regions comes under the influence of moist and maritime airflow which blows from the subtropical anticyclonic cells. Local storms, like typhoons ( which refer to tropical cyclones),& hurricanes, also occur. So, Statement 2 is correct.