

1. Consider the following statements about 'Krem Puri' caves:
 1. They are located in Mawsynram area of Meghalaya.
 2. Fossils of dinosaurs have been discovered here.
 3. They are the world's longest sandstone cave.Select the correct answer using the code given below:
 - (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) All of the above
2. Consider the following statements:
 1. Pyroclastic or nuee ardentes flows are clouds of superheated gases and incandescent solid particles released during a volcanic eruption.
 2. The nuee ardentes result from collapse of the lava dome at the summit.Select the correct answer using the code given below:
 - (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
3. Stock prices can be affected by:
 1. Inflation
 2. Deflation
 3. Changes in economic policy
 4. Economic and political shocksSelect the correct answer using the code given below:
 - (a) 1, 2 and 3 only
 - (b) 2, 3 and 4 only
 - (c) 1, 3 and 4 only
 - (d) All of the above
4. Parties to the Montreal Protocol adopted the Kigali amendment to phase down production and consumption of:
 - (a) Hydrofluorocarbons (HFCs)
 - (b) Hydrochlorofluorocarbons (HCFCs)
 - (c) Hiorofluorocarbons (CFCs)
 - (d) All of the above
5. 'Salwa Channel' was recently in news in the context of:
 - (a) Panama Canal
 - (b) Suez Canal
 - (c) Northern Sea Route
 - (d) Saudi Arabia-Qatar Dispute
6. Which of the following is 'not' a correct advantage of biofuels?
 - (a) Reducing the occurrence of environmental pollution

- (b) Renewability
 - (c) Carbon neutral
 - (d) Higher energy output
7. Which of the following are correctly matched?
- 1. Tornado: Fujita scale
 - 2. Hurricane: Saffir-Simpson Scale
 - 3. Earthquakes: Richter scale
- Select the answer using the code given below:
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) All of the above
8. 'Swahili Culture' is associated with:
- (a) Ancient Iran
 - (b) Harappa of Indus Valley
 - (c) Coastal East Africa
 - (d) Western China
9. Which of the following have been correctly matched?
- 1. Rohtang Tunnel: Kullu and Lahaul-Spiti
 - 2. Zoji La Tunnel: Leh and Srinagar
 - 3. Sela pass: Srinagar and Lahaul-Spiti
- Select the correct answer using the code given below:
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) All of the above
10. Consider the following statements regarding the difference between comets and asteroids:
- 1. While asteroids consist of metals and rocky material, comets are made up of ice, dust, rocky materials and organic compounds.
 - 2. When comets get closer to the Sun, they lose material with each orbit because some of their ice melts and vaporizes. Asteroids typically remain solid, even when near the Sun.
 - 3. Unlike asteroids comets can have unusual orbits, sometimes straying close to Earth or the other planets.
- Select the correct answer using the code given below:
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) All of the above
11. Qatar shares its land border with which of the following countries?
- 1. Saudi Arabia
 - 2. Kuwait

3. United Arab Emirates
4. Oman

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only
- (b) 1 only
- (c) 3 and 4 only
- (d) 1 and 3 only

12. Consider the following statements about Mount Merapi:

1. It is a stratovolcano located near the centre of the island of Sumatra, Indonesia.
2. It is the most active of Indonesia's 130 active volcanoes.
3. Almost half of Merapi's eruptions have been accompanied by nuee ardentes flow.

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) All of the above

13. Thalassaemia is one of the most common genetic blood disorder that is prevalent in India. Consider the following statements about the disease:

1. It causes low levels of oxygen in the bloodstream.
2. There is still no cure other than a bone marrow transplant.
3. Patients require lifelong blood transfusion and iron chelation therapies.

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) All of the above

14. 'Chagos Archipelago' is a disputed territory between:

- (a) USA and UK
- (b) USA and Maldives
- (c) UK and Mauritius
- (d) Mauritius and Maldives

15. Arrange the following towns from south to north:

1. Zaranj
2. Kandhar
3. Kabul
4. Mazar-e-Sharif

Select the correct answer using the code given below:

- (a) 1>2>3>4
- (b) 2>1>4>3
- (c) 1>3>2>4
- (d) 2>1>3>4

16. Which of the following is the latest one to join the 'Ashgabat Agreement'?
- (a) Pakistan (b) India
(c) China (d) Iran
17. Consider the following statements:
1. Micronesia is country in the eastern Pacific Ocean.
 2. It is composed of more than 600 islands.
 3. Its capital is Palikir which is located on the island of Pohnpei.
- Select the correct answer using the code given below:
- (a) 1 and 2 only
(b) 2 and 3 only
(c) 1 and 3 only
(d) All of the above
18. 'Sandboxing' in the contest of cyber security is:
- (a) It is a technique to encrypt messages.
(b) It is a technique especially designed to deal with 'ransomware' type of threats.
(c) It is technique under which a system can only upload and cannot download anything.
(d) It is a technique to isolate malware from critical programs on infected devices to provide an extra layer of security.
19. Consider the following statements about Lake Tanganyika:
1. It is the second largest of the lakes of eastern Africa.
 2. It is the second longest freshwater lake in the world.
 3. It is the second deepest lake in the world.
- Select the correct answer using the code given below:
- (a) 1 and 2 only
(b) 2 and 3 only
(c) 1 and 3 only
(d) All of the above
20. Which one of the following facts was 'not' considered by those while discussing the concept of 'sea floor spreading'?
- (a) Volcanic activity along the mid-oceanic ridges.
(b) Stripes of normal and reverse magnetic field observed in rocks of ocean floor.
(c) Distribution of fossils in different continents.
(d) Age of rocks from the ocean floor.

ANSWER KEYS

01 d 02 c 03 d 04 a 05 d 06 d 07 d 08 c 09 a 10 a
11 b 12 b 13 d 14 c 15 a 16 b 17 b 18 d 19 c 20 c