

TARGET PRELIMS- 2019

TEST- 12

1. Regarding Ocean Services, Technology, Observations, Resources modeling and Science (O-SMART) Scheme, consider the following:

1. It offers services to the fishermen by providing information about local weather conditions and the potential of fish catch
2. It seeks to address the issues relating to SDG-15.
3. As part of the scheme a fleet of research vessels are deployed to assist and support the research.
4. It is implemented by the Ministry of Science & Technology

Which of the statements above is correct using the code given below?

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

2. With regard to the Western Himalayas and the Eastern Himalayas, consider the Following

1. The ranges of the Eastern Himalayas are more continuous compared to Western Himalayas
2. The Western Himalayas receive most of the precipitation in the winter months and the Eastern Himalayas in the summer months
3. Eastern Himalayas are much greener and dense compared to Western Himalayas

Choose the correct answer using the codes below.

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

3. Despite having large reserves of coal, why does India import millions of tonnes of coal?

1. It is the policy of India to save its own coal reserves for future, and import it from other

Countries for the present use.

2. Most of the power plants in India are coal-based and they are not able to get qualitative supplies of coal from within the country.
3. Steel companies need large quantity of coking coal which has to be imported.

Which of the statements given above is/are correct?

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

4. Consider the following statements

1. The peninsular plateau is composed mainly of igneous and metamorphic rocks
2. The Garo, Khasi and Jaintia Hills form a part of peninsular block.
3. The peninsular plateau is the oldest and most stable landmass in India, devoid of earthquakes or volcanic activity.

Select the correct answer using the codes given below.

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

5. Peninsular rivers in India are not flooded as much as the Himalayan Rivers. The reasons can be?

1. India's peninsular rivers have relatively steep gradients.
2. There is little variation in flow from the dry to wet seasons.
3. Most rivers do not form deltas.

Choose the correct answer using the codes below.

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

6. Consider the following factors

1. Electromagnetic radiation
2. Geothermal energy
3. Gravitational force
4. Plate movements
5. Rotation of the earth
6. Revolution of the earth

Which of the above are responsible for bringing dynamic changes on the surface of the earth?

- (a) 1, 2, 3 and 4 only
- (b) 1, 3, 5 and 6 only
- (c) 2, 4, 5 and 6 only
- (d) 1, 2, 3, 4, 5 and 6

7. Consider the following statements about the Western and Eastern Ghats.

1. Western Ghats are comparatively higher in elevation than Eastern Ghats.
2. Western Ghats are more continuous than the Eastern Ghats as the latter is eroded by several east flowing rivers.
3. The Eastern and the Western Ghats meet each other at the Nilgiri hills.

Select the correct answer using the codes below.

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

8. Consider the following rivers

1. Krishna
2. Kaveri
3. Godavari
4. Penganga

The correct sequence of these rivers when arranged from south to north is

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

(d) 3, 2, 1 and 4

9. The tail of a comet is directed away from the sun because:

- (a) As the comet rotates around the sun, the lighter mass of the comet is pushed away due to the centrifugal force alone
- (b) As the comet rotates, the lighter mass of the comet is attracted by some stars situated in the direction of its tail
- (c) The radiation emitted by the sun exerts a radial pressure on the comet throwing its tail away from the sun
- (d) The tail of the comet always exists in the same Orientation

10. Which of the following Rivers pass through Tropic of Cancer?

- 1. Sabarmati
- 2. Mahi
- 3. Damodar
- 4. Luni

Select the correct answer using given code below:

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

11. Heat waves were in news recently. Consider the following statements regarding heat waves in India

- 1. Heat wave effect is mostly seen in the Northern plains and peninsular plateau region.
- 2. Severe heat waves come under National Calamity just like cold waves.
- 3. IMD is the body which recommends whether a region is affected by a heat wave or not by considering changes in the temperature.
- 4. It is a natural calamity found in tropical regions and not in temperate regions.

Choose the correct statements using the code given below

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

12. Which one of the following factors is/are responsible for the change in the regular direction of the ocean currents in the Indian Ocean?

1. Indian Ocean is half an ocean
2. Indian Ocean has monsoon drift
3. Indian Ocean is a land-locked ocean
4. Indian Ocean has greater variation in salinity

Select the correct answer using the code given below:

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

13. Consider the following statements regarding the reserves and production of copper in India.

1. Rajasthan has the largest reserves of copper and is also the highest producer of copper in India.
2. India is self sufficient in copper production and also at times it has also exported copper to countries like Japan, South Korea etc.
3. Production of copper is a tedious job especially in India as the copper ore found in India is of the lower grade compared to International grade of the ore.

Select the correct answer using the code given below:

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

14. Consider the following statements regarding biogas which is a very important source of energy in rural areas.

1. Biogas has a higher thermal efficiency compared to charcoal, cow dung, and kerosene.
2. Not only biogas serves as a source of energy in the form of fuel but also can be used as source of manure for farm crops.
3. It is less environment friendly as it releases green house gases when burnt as a fuel.

Choose the *incorrect* statements using the code given below

- (a) 1 and 2 only.
- (b) 2 and 3 only.

- (c) 3 only.
- (d) None of the above.

15. Consider the following statements regarding the atomic minerals.

1. Uranium occurs both in the earth's crust as well as sea water.
2. India has one of the richest reserves of thorium in the world.
3. US have the highest reserves of uranium in the world.

Which of the above statements are correct?

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

16. What is difference between asteroids and comets?

1. Asteroids are small rocky planetoids, while comets are formed of frozen gases held together by rocky and metallic material.
2. Asteroids are found mostly between the orbits of Jupiter and Mars, while comets are found mostly between Venus and Mercury.
3. Comets show a perceptible glowing tail, while asteroids do not.

Which of the statements given above is/are correct?

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

17. Consider the statements regarding our Solar System.

1. Pluto is the largest dwarf planet revolving around the Sun.
2. Every planet except Venus rotates from West to East just like Earth on its own axis.
3. It is nuclear fusion which takes place within the Sun which releases huge heat energy.

Choose the correct statements from the following code.

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

18. There are different discontinuities within the Earth's internal structure. Which are the discontinuities that have been incorrectly matched with its/their respective locations?

1. Mohorvic discontinuity -- boundary between Core and Mantle.



2. Wiechert-Gutenberg discontinuity -- boundary between Crust and Mantle.
3. Conrad discontinuity – separates upper crust from lower crust.

Select the correct answer using the code given below.

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

19. Every relief can be classified into different types of reliefs.

Match the following.

- 1) 1st Order relief --- continental plates.
- 2) 2nd Order relief --- plains and deltas.
- 3) 3rd Order relief --- Fold Mountains.

Choose the correctly matched pair from the following codes.

- (a) 1 only.
- (b) 1 and 2 only.
- (c) 1 and 3 only.
- (d) None of the above.

20. Which of the following is/are correct with regards to Gramin Krishi Mausam Seva (GKMS) scheme?

1. This scheme is implemented by Ministry of Agriculture in collaboration with state agricultural universities/Indian Council of Agricultural Research
2. It issues crop and location specific weather based agro advisories for the benefit of farming community.

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

21. Which of the following is/are correct with regards to Transparency, Auction Monitoring and Resource Augmentation (TAMRA) Portal?

1. TAMRA Portal is developed by Department for promotion of Industry and Internal Trade
2. The aim is to bring transparency in award of exploration and mining licenses

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

22. Consider the following statements

1. The western coastal plains are an example of emergent coastal plain.
2. The western coastal plains are narrow in the middle and get broader towards north and south.
3. Because of its submerged nature, eastern coast has less number of ports and harbors.
4. The lakes and the playas have brackish water which is the main source of obtaining salt in western coasts.

Choose the correct answer using the codes given below.

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

23. Consider the following Himalayan ranges.

1. Karakoram range
2. Phir Panjal range
3. Ladakh range
4. Zaskar range

Arrange the above ranges from North to South.

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

24. Which of the following statements regarding Meghalaya plateau are NOT correct?

1. It is an extension of Himalayan range in North Eastern India.
2. It is filled with fertile alluvial soil deposited by Brahmaputra.
3. It is separated from peninsular plateau by Garo – Rajmahal gap.

Select the code from below:

- a) 1 and 2
- b) 3 only
- c) 2 and 3



d) All of the above

25. What is/are the purpose of 'District Mineral Foundations' in India?

1. Promoting mineral explorative activities in mineral-rich districts
2. Protecting the interests of the persons affected by mining operations
3. Authorizing State Governments to issue licenses for mineral exploration

Select the correct answer using the code given below:

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