

Que-1 Consider the following statements about Ethanol

- 1- Ethanol is naturally produced by the fermentation of sugars by yeasts or via petrochemical processes such as ethylene hydration.
- 2- Ethanol is a volatile, flammable, colorless liquid with a characteristic wine-like odor and pungent taste.
- 3- It is used as a chemical solvent and in the synthesis of organic compounds.

Which of the following given above is/are correct

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

Que-2 With reference to Quad, consider the following statements about

- 1- Comprising of India, Australia, Japan and U.S.
- 2- Recently announced at the New York summit, an ambitious Indo-Pacific Maritime Domain Awareness (IPMDA) initiative to track “dark shipping”.

Which of the following given above is/are correct

- a) 1 only b) 2 only
c) Both 1 and 2 d) Neither 1 nor 2

Que-3 Consider the following statements according to the State of Environment Report 2022 from the environmental NGO, the Centre for Science and Environment (CSE)

- 1- Three out of every four river monitoring stations in India posted alarming levels of heavy toxic metals such as lead, iron, nickel, cadmium, arsenic, chromium and copper.
- 2- While the global average of the Ocean Health Index, has declined between 2012 and 2021, India’s score in the index has improved over the same period.

- 3- Of the 33 monitoring stations in Ganga, 10 had high levels of contaminants.

Which of the following given above is/are correct

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

Que-4 With reference to Tiangong space station, consider the following statements

- 1- This is a space station being constructed by China in low Earth orbit between 340 and 450 km (210 and 280 mi) above the surface.
- 2- Once ready, China will be the second country to own a space station.

3- China began constructing its three-module space station in April 2021 with the launch of Tianhe - the first and biggest of the station's three modules.

Which of the following given above is/are correct

- a) 1 only b) 1 and 3 only
c) 1, 2 and 3 d) 3 only
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Que-5 Which is/are true about Agni-IV missile

- 1- Nuclear-capable.
2- A ballistic missile.
3- Strike range of 8,000 km.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-6 With reference to norovirus, consider the following statements about

- 1- Norovirus is a highly contagious virus that is also sometimes referred to as the 'stomach flu' or the 'winter vomiting bug'.
2- It can be transmitted through contaminated food, water, and surfaces.
3- It is similar to diarrhoea-inducing rotavirus and infects children under 12.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 only
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Que-7 Ministry of Tribal Affairs had recently inaugurated the National Tribal Research Institute in

- a) Ranchi
b) Kohima
c) Bhopal
d) New Delhi
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Que-8 With reference to Sital Sasthi festival, consider the following statements about

- 1- It is being celebrated in Odisha.
2- This is observed to celebrate the marriage of Lord Siva and Goddess Parvati.
3- Sital Sasthi also marks the start of the monsoon season.

Which of the following given above is/are correct

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

1- (c)

2- (a)

- The Quad grouping, comprising of India, Australia, Japan and U.S., announced at the Tokyo summit recently an ambitious Indo-Pacific Maritime Domain Awareness (IPMDA) initiative to track “dark shipping” and build a “faster, wider, and more accurate maritime picture of near-real-time activities in partners’ waters” integrating three critical regions in the Indo-Pacific - the Pacific Islands, Southeast Asia, and Indian Ocean Region (IOR).

- There are two main regulations globally on Illegal, Unreported and Unregulated (IUU) fishing - Cape Town Agreement (CTA) and the Agreement on Ports State Measures (PSMA) and India is, so far, not a signatory of both the agreements.

3- (b)

- While the global average of the Ocean Health Index, a measure that looks at how sustainably humans are exploiting ocean resources, has improved between 2012 and 2021, India’s score in the index has declined over the same period.

- Of the 33 monitoring stations in Ganga, 10 had high levels of contaminants. The river, which is the focus of the Centre’s Namami Gange mission, has high levels of lead, iron, nickel, cadmium and arsenic.

- Over a third of India’s coastline that is spread across 6,907 km saw some degree of erosion between 1990 and 2018. West Bengal is the worst hit with over 60% of its shoreline under erosion. The reasons for coastal erosion include increase in frequency of cyclones and sea level rise and anthropogenic activities such as construction of harbours, beach mining and building of dams.

4- (b)

- Once ready, China will be the only country to own a space station. The International Space Station (ISS) of Russia is a collaborative project of several countries.

- China began constructing its three-module space station in April 2021 with the launch of Tianhe - the first and biggest of the station’s three modules.

5- (a)

- India had recently successfully test-fired its nuclear-capable long-range

ballistic missile Agni-IV, with a strike range of 4,000 km

6- (a)

- Norovirus is a highly contagious virus that is also sometimes referred to as the 'stomach flu' or the 'winter vomiting bug'. It can be transmitted through contaminated food, water, and surfaces. The primary route is oral-faecal.
- It is similar to diarrhoea-inducing rotavirus and infects people across age groups. Disease outbreaks typically occur aboard cruise ships, in nursing homes, dormitories, and other closed spaces.

7- (d)

- The NTRI will be a premier national level institute and become the nerve-center of tribal concerns, issues and matters in academic, executive and legislative fields. It will collaborate and network with reputed research institutes, Universities, organizations as well as academic bodies and resource Centres.
- It will Monitor projects of Tribal Research Institutes(TRIs), Centres of Excellence (CoEs), research scholars of NFS and set up norms for improvement in the quality of research and training.

- Its other activities would be to provide policy inputs to the Ministry of Tribal Affairs as well as State Welfare Departments, Design studies and programs that improve or support socio-economic aspects of tribal lifestyles, creating and maintenance of Database of PMAAGY, providing guidelines in Setting and running of Tribal Museums and Showcasing rich tribal cultural heritage of India under one umbrella.

8- (c)
