1) The main objective of MOSAiC mission sometimes seen in the news recently is?

- a. To study the impact of emissions created by Internal Combustion Engines
- b. To study the possibility of mining on sea at inner core Region
- c. To study the impact of climate change in the Antarctic Region
- d. None of the above

Answer : d

- The MOSAiC mission, which stands for Multidisciplinary drifting Observatory for the Study of Arctic Climate, hopes to enhance understanding of Arctic climate change and its global implications, and lead to safer maritime and offshore operations and better informed policy development.

2) With respect to Project Manav sometimes seen in the news recently, consider the following statements:

1. It aims to connect India’s super computers with the Indian educational Institutions.
2. It was launched by the Ministry of Electronics and Information Technology.

Which of the statement(s) given above is/are correct?

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

Answer: d

- A new human atlas initiative has been launched to create a unified database of molecular network of all the tissues in the human body and to derive a holistic picture of working of the human body.
- The project named Manav has been launched by the Department of Biotechnology and Persistent Systems, a biotechnology company.

3) Gaddhika is an art form performed by who among the following?

- a. Irula Tribes - Tamil Nadu
- b. Koya Tribes - Odisha
- c. Adiya Tribes - Kerala
- d. None of the above

Answer: c

- The Adiya tribesmen of Wayanad, Kerala have recently started to perform 'Naduzhiyal' as part of their ritualistic art form 'Nadugaddhika' in villages of the hill district for the prosperity of the public.
- The tribes believe that 'gaddhika' brings prosperity to the hamlet and wards off evil hill district for the prosperity of the public.
- There were two types of the art form — Puja Gaddhika and Naadu Gaddhika.

4) Consider the following statements with respect to Jagannatha Temple

1. Located in Odisha, this temple is dedicated to Lord Jagannath, a form of Lord Shiva.
2. A Nila Chakra is mounted on the top of the shikara of this temple.

Which of the statement(s) given above is/are correct?

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

Answer : b

• Lord Jagannath is a form of Lord Vishnu.
  • The Nila chakra is said to face you from wherever you view it in Puri.

5) Which of the following is/are located in Italy?

1. Etna
2. Vesuvius
3. Stromboli

Which of the statement(s) given above is/are correct?

• a. 3 only
• b. 1 and 2 only
• c. 2 and 3 only
• d. 1, 2 and 3

Answer : d

• Recently, Stromboli - a volcano erupts in Sicily in Italy.
• Italy's two other active volcanoes are Etna in Sicily and Vesuvius near Naples.

6) With respect to Parliamentary Privileges, consider the following statements:

1. It does not extend to the President who is also an integral part of the Parliament.
2. They were exhaustively codified in the Indian Constitution under the Article 105.

Which of the statement(s) given above is/are correct?

• a. 1 only
b. 2 only

c. Both 1 and 2

d. Neither 1 nor 2

Answer: a

Parliament, till now, has not made any special law to exhaustively codify all the privileges. They are based on five sources, namely,

1. Constitutional provisions,
2. Various laws made by Parliament,
3. Rules of both Houses,
4. Parliamentary conventions, and
5. Judicial interpretations.

7) Schizophrenia refers to which of the following?

a. Mental Disorder
b. Pancreatic Cancer
c. Thrombotic Disorder
d. None of the above

Answer: a

Schizophrenia is a severe mental disorder, characterized by profound disruptions in thinking, affecting language, perception, and the sense of self. It often includes psychotic experiences, such as hearing voices or delusions. It can impair functioning through the loss of an acquired capability to earn a livelihood, or the disruption of studies.

8) Consider the following statements with respect to Gibraltar

1. It is a Spanish territory located at the southern tip of the Iberian Peninsula.
2. The strait of Gibraltar connects the Atlantic Ocean and Mediterranean Sea.

Which of the statement(s) given above is/are correct?
• a. 1 only
• b. 2 only
• c. Both 1 and 2
• d. Neither 1 nor 2

Answer: b

The **British overseas territory** of Gibraltar, a limestone outcrop on the **southern tip of the Iberian Peninsula**, occupies a commanding position at the western gateway to the Mediterranean Sea.

- Iran has condemned interception of one of its oil tankers in Gibraltar where authorities said they suspected it was carrying crude to Syria in violation of EU sanctions.

9) **NAPRT1 Gene** sometimes seen in the news recently is associated with which of the following?

• a. Molecular Scissors
• b. Social bonding gene
• c. Resistant against Fall Army Worm
• d. None of the above

Answer: d

- A recent study identified a gene called **NAPRT1** - that encodes an enzyme involved in vitamin B3 metabolism - is **directly linked to schizophrenia**.
- **Schizophrenia** is a **severe mental disorder**, characterized by profound disruptions in thinking, affecting language, perception, and the sense of self.

10) **Kheoni Wildlife Sanctuary** is located in which of the following states?

• a. Maharashtra
• b. Madhya Pradesh
c. Goa

d. Chhattisgarh

Answer: b

- The *Kheoni sanctuary*, located in the Kannod tehsil of Dewas district, Madhya Pradesh was established in 1955.
- It is home to mostly cheetal, sambhar, blue bull, four-horned antelope, wild boar, barking deer and wolves.
- Recently, five tigers, including an adult male, two adult females and two cubs have been captured for the first time by night-vision cameras in Madhya Pradesh’s Kheoni Wildlife Sanctuary.