

- 1. With reference to Collegium system in India, consider the following statements:
  - 1) It is the system of appointment and transfer of judges that has evolved through judgments of the Supreme Court (SC), and not by an Act of Parliament.
  - 2) The SC collegium is headed by the Chief Justice of India and comprises four other senior most judges of the court.

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

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2
- 2. Consider the following statements
  - President is not bound to accept the advice rendered by the Supreme Court under Article 143 of the Constitution.
  - A minimum of 5 Judges should sit for purpose of hearing any reference under Article 143 of the Constitution.

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

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2
- 3. With reference to Aditya L1 mission, consider the following:
  - 1) This is ISRO's maiden mission to study the sun's atmosphere.
  - 2) It will be inserted in a halo orbit around the Lagrange point

between Earth and Sun

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

a) 1 only

- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2
- 4. Consider the following statements regarding Commercial Paper (CP)
  - 1) Commercial Paper (CP) is an unsecured money market instrument issued in the form of a promissory note and held in a dematerialized form
  - A CP is issued in minimum denomination of ₹1 Crore and multiples thereof and shall be issued at a discount to face value.

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

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2
- 5. With reference to 5G mobile network, which of the following statements is/are correct?
  - 5G technology is meant to deliver higher multi-Gbps peak data speeds, ultrahigh latency, more reliability and massive network capacity
  - 2) Uses much higher radio frequencies of 28 GHz.

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

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2
- 6. With reference to the Indian Computer Emergency Response Team (CERT-In), recently been in the news, consider the following statements:
  - 1) The Ministry of Home Affairs has a unit called CERT-In under its jurisdiction.
  - 2) It gathers, analyses, and disseminates data on cyber-attacks.

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

- a) 1 only
- b) 2 only

- c) Both 1 and 2
- d) Neither 1 nor 2
- 7. A molecule named 'PK 2', recently seen in the news, has been used for the treatment of which disease?
  - a) COVID-19
  - b) HIV/AIDS
  - c) Cancer
  - d) Diabetes
- 8. With reference to the Green Hydrogen, recently been in the news, consider the following statements:
  - When carbon emissions from the manufacturing process are caught and stored, hydrogen is labeled Green Hydrogen.
  - Because the only by-products are water and water vapour, green hydrogen production is the cleanest form of hydrogen synthesis.

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

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2
- 9. Anang Tal Lake, recently seen in the news, is located in which of the following State/UT
  - a) Himachal Pradesh
  - b) Sikkim
  - c) Assam
  - d) Delhi
- 10. With reference to the species of Sloth Bears, recently seen in the news, consider the following statements:
  - 1) On the IUCN Red List, they are classified as Vulnerable.
  - 2) They are indigenous to Indian subcontinent and do not hibernate.

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

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