



DATE: 09.10.2026

- 1) Consider the following statements regarding 6G technology:
1. 6G is associated with the IMT-2030 framework of ITU.
 2. Uses the Terahertz (THz) band (ranging from 100 GHz to 10 THz), sitting between microwaves and radio waves. .
 3. It is projected to deliver speeds up to 1 Terabit per second (1 Tbps).
- Which of the statements given above is/are correct?
- (a) 1 only
 - (b) 1 and 2 only
 - (c) 1 and 3 only
 - (d) 2 and 3 only
- 2) Consider the following statements with regard to tuberculosis (TB):
1. Tuberculosis is caused by Mycobacterium tuberculosis and affects only the lungs.
 2. Pulmonary tuberculosis can spread through the air when an infectious person releases bacteria by coughing or speaking.
 3. The Ni-kshay portal is associated with the digital monitoring of TB patients and programme-related information.
- Which one of the following conclusions based on the above statements is correct?
- (a) There are two correct statements, which include Statement 2.
 - (b) There are two correct statements, which are Statements 1 and 3.
 - (c) There is only one correct statement.
 - (d) All three statements are correct.
- 3) With reference to the National Biodiversity Authority (NBA), consider the following statements:
1. It is a statutory body established under the Biological Diversity Act, 2002.
 2. It regulates foreign access to Indian biological resources and promotes fair benefit-sharing.
 3. It prepares People's Biodiversity Registers at the local level.
 4. It advises State Governments on notifying Biodiversity Heritage Sites.
- Which of the statements given above are correct?
- (a) 1 and 2 only
 - (b) 1, 2 and 4 only
 - (c) 1 only
 - (d) 1, 2, 3 and 4
- 4) Consider the following statements regarding the National Human Rights Commission (NHRC):
1. The NHRC is a statutory body established under the Protection of Human Rights Act, 1993.
 2. The recommendations made by the NHRC are legally binding on the government.
 3. The chairperson and members of the NHRC are appointed by the President on the recommendation of a committee headed by the Prime Minister.
- Which of the statements given above are correct?
- (a) 1 and 2 only
 - (b) 2 and 3 only



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

- 5) With reference to the Goods and Services Tax (GST) Council in India, consider the following statements
1. The quorum required for conducting a meeting of the GST Council is one-third of the total number of its members.
 2. The decisions of the GST Council require a majority of at least three-fourths of the weighted votes of members present and voting.
 3. The recommendations of the GST Council are legally binding on both Parliament and State Legislatures while making GST laws.

Which of the statements given above is/are correct?

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

Explanation

1) Answer: (C)

- **Statement 1 is correct:** 6G (Sixth-Generation) technology is the **upcoming wireless communication** standard—designated as **IMT-2030** by the International Telecommunication Union (ITU).
- **Statement 2 is incorrect:** Uses the **Terahertz (THz) band** (ranging from 100 GHz to 10 THz), sitting **between microwaves and infrared waves**.
- **Statement 3 is correct:** It is projected to deliver speeds up to **1 Terabit per second (1 Tbps)** up to 100× to 1,000× faster than 5G; targets **sub-millisecond or microsecond-level latency(near zero)**.
- **Therefore, Option C is the right answer**

2) Answer: (A)

- Tuberculosis (TB) is an infectious disease caused by Mycobacterium tuberculosis. Although it most commonly affects the lungs (pulmonary TB), it can also affect other organs, including the brain, kidneys, bones and lymph nodes (extrapulmonary TB). **Hence, Statement 1 is incorrect.**
- Pulmonary TB spreads through the air when a person with infectious TB releases bacteria-containing particles by coughing, speaking or singing. Transmission is more likely in enclosed or poorly ventilated spaces. **Hence, Statement 2 is correct.**
- The Ni-kshay portal is a digital platform associated with India's National TB Elimination Programme (NTEP). It supports the registration and monitoring of TB patients and helps manage programme-related information, including treatment and follow-up. **Hence, Statement 3 is correct.**
- **Therefore, option (a) is the correct answer.**



3) Answer: (B)

- **Statement 1 is Correct.** The National Biodiversity Authority (NBA) is a statutory, autonomous body established in 2003 by the Central Government under Section 8 of the Biological Diversity Act, 2002, to implement its provisions.
- **Statement 2 is Correct.** The NBA regulates foreign access to Indian biological resources (under Section 3 of the Act) and ensures equitable sharing of benefits arising out of the use of these resources.
- **Statement 3 is Incorrect.** People's Biodiversity Registers (PBRs) are **not** prepared directly by the National Biodiversity Authority. Instead, they are prepared by local-level **Biodiversity Management Committees (BMCs)** constituted by local bodies (panchayats, municipalities) in consultation with local communities.
- **Statement 4 is Correct.** Under Section 18 of the Act, one of the primary statutory functions of the NBA is to advise State Governments in selecting and notifying areas of ecological and biodiversity importance as **Biodiversity Heritage Sites (BHS)**.
- **Therefore ,option B is the correct answer.**

4) Answer: (C)

- **Statement 1 — Correct:** The National Human Rights Commission (NHRC) is a statutory body established under the Protection of Human Rights Act, 1993. Its chairperson must be a person who has been the Chief Justice of India or a Judge of the Supreme Court. The chairperson is not restricted to only a retired Chief Justice of India.
- **Statement 2 — Incorrect:** The NHRC's recommendations are **not legally binding** on the concerned government or authority. It can recommend compensation to victims, prosecution or disciplinary action against officials, and other remedial measures. However, it cannot directly impose penalties on erring officials. The concerned government or authority must inform the NHRC of the action taken or proposed within the prescribed period.
- **Statement 3 — Correct:** The chairperson and members of the NHRC are appointed by the President of India on the recommendation of a high-powered committee headed by the Prime Minister. The committee also includes the Speaker of the Lok Sabha, the Union Home Minister, the Leaders of the Opposition in both Houses of Parliament, and the Deputy Chairman of the Rajya Sabha.
- **Therefore ,option C is the correct answer.**

5) Answer: (B)

- **Statement 1 is Incorrect:** According to Article 279A(7) of the Indian Constitution, the quorum for conducting a meeting of the GST Council is **one-half (50%)** of the total number of its members, not one-third.
- **Statement 2 is Correct:** Under Article 279A(9), every decision of the GST Council is taken by a majority of not less than **three-fourths (75%) of the weighted votes** of the members present and voting.
 - The Central Government holds a weightage of **one-third** of the total votes cast.
 - All State Governments together hold a weightage of **two-thirds** of the total votes cast.
- **Statement 3 is Incorrect:** The Supreme Court of India in *Union of India v. Mohit Minerals Pvt. Ltd. (2022)* ruled that the recommendations of the GST Council have **persuasive value**



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and are **not legally binding** on Parliament or State Legislatures. Both Parliament and State Assemblies retain simultaneous legislative authority under Article 246A.

- **Therefore, option B is the correct answer.**

