

Statement 1 is correct. 5G is the next generation cellular technology that will provide faster and more reliable communication with **ultra-low latency** compared to 4G. Latency is **the delay between the sending and receiving information**.

Statement 2 is correct. The 5G networks **operate on the millimeter wave spectrum** (30-300 GHz) which has the advantage of sending large amounts of data at very high speed because the frequency is so high, it experiences little interference from surrounding signals.

Statement 3 is incorrect. In its page on 5G, the World Health Organization (WHO) says “no adverse health effect has been causally linked with exposure to wireless technologies.” But it also states that “only a few studies have been carried out at the frequencies to be used by 5G.” According to the **WHO**, radiofrequency exposure levels from current technologies result in “**negligible temperature rise in the human body**”.

Source: <https://indianexpress.com/article/explained/juhi-chawla-5g-india-harmful-effects-for-humans-7340640/>

<https://www.thehindu.com/business/how-will-a-5g-network-power-the-future/article27698653.ece>

<https://www.thehindu.com/business/Industry/5g-technology-to-get-faster-adoption-than-4g-qualcomm/article30501150.ece>

Q.16) With reference to British policy towards Princely states, which of the following statements is/are correct?

1. The theory of Paramountcy started to develop immediately after the battle of Buxar.
2. After the charter act of 1833, the company lost the power of annexing the princely states.
3. After the revolt of 1857, the princely states did not require sanction of Crown for succession.
4. Curzon adopted the policy of patronage and ‘intrusive surveillance’ towards the princely states.

Select the correct answer using the code given below:

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

Ans) d

Exp) Option d is correct.

Statement 1 is incorrect. The **theory of Paramountcy** (Princely states were supposed to act in subordinate cooperation with the British government and acknowledge its supremacy) started to **develop after 1813**. The states surrendered all forms of external sovereignty but retained sovereignty in internal administration.

After **the battle of Buxar**, the **main policy was to create buffer zones** to defend company’s frontiers.