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Q39

In the context of vaccines manufactured to prevent COVID-19 pandemic, consider the following statements: 1. The Serum Institute of India produced COVID-19 vaccine named Covishield using mRNA platform. 2. Sputnik V vaccine is manufactured using vector based platform. 3. COVAXIN is an inactivated pathogen based vaccine. 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 Official key: B.

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Explanation

(a)

1 and 2 only. **Covishield** is a viral-vector (ChAdOx1) vaccine, not mRNA.

(b) Official key

2 and 3 only. Sputnik V is adenovirus-vector; **Covaxin** is inactivated whole-virion.

(c)

1 and 3 only. Statement 1 mislabels **Covishield**.

(d)

All three. mRNA in India was (then) other platforms, not SII's **Covishield**.

Summary

Official key is (b) 2 and 3 only. **Covishield** (SII) is chimpanzee adenovirus vector, not mRNA. Sputnik V is a heterologous adenovirus vector. **Covaxin** (BBV152) is inactivated SARS-CoV-2.

Related possible facts

These can be asked in a future Prelims paper.

Covishield

AZD1222 / ChAdOx1; SII licence.

Covaxin

Bharat Biotech + ICMR; whole-virion inactivated.

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