

Daily Test Series



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1. There is some news in the media about nuclear reactors attaining criticality. What does it mean?

- (a) It is an emergency situation such as the nuclear reactor going out of control.
- (b) It means that a reactor is controlling a sustained fission chain reaction.
- (c) It is a situation where the nuclear reactor is on operation without sufficient coolant.
- (d) It refers to a situation where the nuclear reactor becomes defunct.

Answer: b

2. Recently India has launched the foundation of its first coal-gasification based fertilizer plant in the country. What would be the objectives of this initiative?

- 1. It will use syngas produced from coal, thus reducing dependence on urea and gas imports.
- 2. It will promote alternative use of domestic coal in an environment manner, thereby supporting the country's commitments toward the Paris Agreement.
- 3. Pollutant Carbon Dioxide (CO₂) produced by this plant will be recycled for production of Urea and other byproducts.
- 4. Further, ash produced by it will be converted to inert slag which is non-hazardous.

Select the correct answer using the codes given below.

- (a) 1 and 3 only

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

Answer: d

3. Which one of the following sectors has the highest share in electricity consumption in India?

- (a) Industry
- (b) Domestic consumptions
- (c) Agriculture
- (d) Retail shops

Answer: a

4. Consider the following statements with respect to Central Road and Infrastructure Fund (CRIF):

- 1. It is a non—lapsable fund created under Central Road Fund Act 2000.
- 2. CRIF should be used to develop and maintain only National Highways and State Highways.
- 3. The responsibility to use the fund is under the Ministry of Road Transport and Highways.

Which of the statements given above is/are correct?

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

Answer: a

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5. Consider the following statements with reference to the Hybrid Annuity Model (HAM)

1. It is a mix of Build Operate Toll model and Engineering, Procurement and Construction model.
2. As per the model the government will contribute 60% of the project cost in the first five years .
3. Under HAM, revenue collection would be the responsibility of National Highways Authority of India.

Which of the statements given above is/are correct?

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

Answer: a