

Q: Consider the following statement regarding Autonomous District Councils (ADC):

1. The Sixth Schedule provides a list of ten tribal areas in Assam, Meghalaya, Tripura and Mizoram.
2. Each autonomous district has an Autonomous District Council (ADC).
3. The term of the District Councils is for three years.

Choose the correct option from the codes given below:

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

Ans: a

Explanation:

Autonomous District Councils (ADC)

- The Sixth Schedule provides a list of ten tribal areas in Assam (3), Meghalaya (3), Tripura (1) and Mizoram (3).
- Each of these tribal areas constitutes an autonomous district. Each autonomous district has an Autonomous District Council (ADC).
- ADCs have up to 30 members with a term of five years, of whom four are nominated by the governor and the remaining 26 are elected on the basis of adult franchise.
- The term of the District Councils is for five years from the date of their constitution.

Q: Consider the following statement regarding Sickle Cell Anaemia:

1. It is not an inherited blood disorder.
2. The cause of Sickle cell disease is a defective gene called a sickle cell gene.
3. It affects haemoglobin, the molecule in red blood cells that delivers oxygen to cells throughout the body.

Choose the correct option from the codes given below:

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

Ans: b

Explanation:

- Sickle Cell Anaemia is an inherited blood disorder.
- It affects haemoglobin, the molecule in red blood cells that delivers oxygen to cells throughout the body.
- People with this disease have atypical haemoglobin molecules called haemoglobin S, which can distort red blood cells into a sickle, or crescent, shape.
- These sickle cells also become rigid and sticky, which can slow or block blood flow.
- The cause of Sickle cell disease is a defective gene called a sickle cell gene.
- A person will be born with sickle cell disease only if two genes are inherited—one from the mother and one from the father.

Q: Consider the following statement regarding Unicorn Startup:

1. It is commonly used in the venture capital industry.
2. There are more than 1,000 unicorn companies around the world as of March 2022.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2
- d) None of the above

Ans: c

Explanation:

- The term unicorn refers to a privately held startup company with a value of over \$1 billion.
- It is commonly used in the venture capital industry. The term was first popularised by venture capitalist Aileen Lee when she referred to the 39 startups that had a valuation of over \$1 billion as unicorns.
- The valuation of unicorns is not expressly linked to their current financial performance but is largely based on their growth potential, as perceived by investors and venture capitalists who have taken part in various funding rounds.
- There are more than 1,000 unicorn companies around the world as of March 2022.

Q: Consider the following statement regarding National Sickle Cell Anaemia Elimination Mission:

1. It was announced as part of the Union Budget 2023.
2. Eliminate sickle cell disease (SCD) as a public health problem in India before 2047.
3. Initially, the focus shall be on 17 states with higher prevalence of SCD.

Choose the correct option from the codes given below:

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

Ans: d

Explanation:

- National Sickle Cell Anaemia Elimination Mission was announced as part of the Union Budget 2023.
- Eliminate sickle cell disease (SCD) as a public health problem in India before 2047.
- The overall aim is to enable access to affordable and quality health care for all SCD patients and to lower the prevalence through awareness, change of practices and screening interventions.
- The mission will entail awareness creation, universal screening of seven crore people in the 0-40 years age group in affected tribal areas and counselling through collaborative efforts of central ministries and state governments.
- Initially, the focus shall be on 17 states with higher prevalence of SCD, Gujarat, Maharashtra, Rajasthan, Madhya Pradesh, Jharkhand, Chhattisgarh, West Bengal, Odisha, Tamil Nadu, Telangana, Andhra Pradesh, Karnataka, Assam, Uttar Pradesh, Kerala, Bihar and Uttarakhand.

Q: Consider the following statement regarding Indus Water Treaty:

1. The treaty fixed and delimited the rights and obligations of India and Pakistan for Indus Water Treaty.
2. The Treaty allows India to use the western river waters for limited irrigation.
3. The treaty was brokered by the IMF.

Choose the correct option from the codes given below:

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

Ans: a

Explanation:

- Indus Waters Treaty was signed in September 1960 between India and Pakistan.
- The treaty was brokered by the World Bank, which, too, is a signatory to the treaty.
- The treaty fixed and delimited the rights and obligations of both countries concerning the use of the waters of the Indus River system.
- It gives control over the waters of the three "eastern rivers" -- the Beas, Ravi, and Sutlej -- to India while control over the waters of the three "western rivers" -- the Indus, Chenab, and Jhelum -- to Pakistan.
- The Treaty allows India to use the western river waters for limited irrigation use and unlimited non-consumptive use for such applications as power generation, navigation, floating of property, fish culture, etc.