

**Q: Consider the following statement regarding Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY):**

1. It is a poverty alleviation programme.
2. The programme is under National Rural Livelihoods Mission.
3. It is not the part of Skill India Programme.

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:

- Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY) is one of the flagship poverty alleviation programs which was launched on 25th September 2014 under National Rural Livelihoods Mission, Ministry of Rural Development which is aimed at skilling the poorest of the poor youth between the ages of 15 and 35 years from Rural India.
- It is critical for the country to develop itself as the skill hub of the nation as well as the world. As a part of the Skill India campaign, it plays an instrumental role in supporting the social and economic programs of the government like the Make in India, Digital India, Smart Cities and Start-Up India, Stand-Up India campaigns to position India as the globally preferred manufacturing hub, while dovetailing its efforts to significantly contribute in other flagship programs of the nation.

**Q: Consider the following statement regarding Defence Acquisitions Council (DAC):**

1. The chairman of the council is the Prime Minister.
2. Its function is to give 'in principle' approval to Capital acquisitions in long term perspective Plans.
3. It monitors the progress of major projects on feedback from the Defence Procurement Board.

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:

- Defence Acquisitions Council (DAC) has been created as an overarching structure for Defence Procurement, with Defence Minister as Chairman, along with key members from Armed forces and Bureaucracy.
- It was formed, pursuant to the recommendations made by the Group of Ministers on Reforming the National Security System in 2001.
- The functions of the DAC include:
  - ❖ Give 'in principle' approval to Capital acquisitions in long term perspective Plans.
  - ❖ Give 'in principle' acceptance of necessity to each Capital acquisition project for incorporation in the forthcoming Five Year Plan.
  - ❖ Monitor the progress of major projects on a feedback from the Defence Procurement Board.

**Q: Consider the following statement:**

1. National Institute of Ocean Technology (NIOT) is located in Chennai.
2. The NIOT function under the aegis of the Ministry of Earth Sciences.

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:

- Stepping up from its ongoing initiative of providing potable water on six islands of Lakshadweep using low temperature thermal desalination (LTTD) technology, the Chennai-based **National Institute of Ocean Technology (NIOT)** is working at making this process free of emissions.
- The NIOT, an institute under the aegis of the Ministry of Earth Sciences (MoES), has worked for years on harnessing energy from the ocean. However, ocean thermal technology, while plausible for islands, was unlikely to be useful for supplying power onshore.

**Q: Consider the following:**

1. Stochastic environmental factors
2. Epidemic
3. Natural calamities

Which among the following may be the cause for decline of Carnivore populations in India?

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

Ans: d

Explanation:

- Carnivore populations restricted to single sites face various extinction threats from genetic and stochastic environmental factors.
- Catastrophes such as an epidemic, an unexpected decline in prey, natural calamities or retaliatory killings could result in their extinction when they are restricted to single populations.

**Q: Consider the following statement regarding Rifting:**

1. It refers to the geological process in which a **single tectonic plate is split into two or more plates** separated by divergent plate boundaries.
2. This process leads to the emergence of a lowland region known as a rift valley.
3. It can be traced back to the period when Gondwana land was separated.

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:

- Rifting refers to the geological process in which a **single tectonic plate is split into two or more plates** separated by divergent plate boundaries.
- This process leads to the emergence of a lowland region known as a rift valley, which can occur either on land or at the bottom of the ocean. These rift valleys occur due to the movement of Earth's tectonic plates.
- The phenomenon of rifting can be traced back at least 138 million years, when South America and Africa were divided into separate continents.