

Q: Consider the following statement regarding Social Progress Index (SPI):

1. It measures country's social progress at the national and sub-national levels in holistic manner.
2. Basic Human Needs, Foundations of Wellbeing, and Opportunity are its three critical dimensions.
3. Chandigarh has the highest SPI score and Chhattisgarh has the lowest SPI score.

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:

- Social Progress Index (SPI) is a comprehensive tool that can serve as a holistic measure of a country's social progress at the national and sub-national levels.
- The index assesses states and districts based on 12 components across three critical dimensions of social progress: Basic Human Needs, Foundations of Wellbeing, and Opportunity.
- Puducherry has the highest SPI score of 65.99 in the country, attributable to its remarkable performance across components like Personal Freedom and Choice, Shelter, and Water and Sanitation.
- Lakshadweep and Goa closely follow it with scores of 65.89 and 65.53, respectively. Jharkhand and Bihar scored the lowest, 43.95 and 44.47, respectively.

Q: Consider the following statement regarding Perovskite solar cells:

1. It is built with layers of nano-particles.
2. It has demonstrated competitive power conversion efficiencies with potential for higher performance.
3. The main aim is to optimise the efficiency and to reduce the cost of manufacturing.

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:

- Perovskite solar cells are thin-film devices built with layers of materials, either printed or coated from liquid inks or vacuum-deposited.
- Perovskite solar cells have demonstrated competitive power conversion efficiencies with potential for higher performance, but their stability is limited compared to leading alternatives.
- The main aim is to optimise the efficiency and to reduce the cost of manufacturing for Perovskite solar Cells as much as possible.

Q: Consider the following statement:

1. Sun Temple at Modhera is dedicated to the sun god.
2. The temple represents Solanki style of architecture.

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 Sun Temple at Modhera which is dedicated to the sun god, is the earliest of such temples which set trends in architectural and decorative details, representing the Solanki style at its best.

Q: Which among the following sites is currently listed in the tentative list of UNESCO World Heritage Sites:

- a) Vadnagar town
- b) Sun Temple at Modhera
- c) Rock cut sculptures of Unakoti in Tripura
- d) All the above

Ans: d

Explanation:

- Recently, Gujarat's Vadnagar town, the iconic Sun Temple at Modhera, and the rock cut sculptures of Unakoti in Tripura have been added to the tentative list of UNESCO World Heritage Sites.
- With this, India now has 52 sites on UNESCO Tentative List.

Q: Consider the following statement regarding the objectives of MONUSCO's mission:

1. Protect civilians of Congo, threatened by violence.
2. Disarm, demobilize and reintegrate combatants.
3. To disarm Congo's security sector.

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:

- Congo continues to suffer from recurring and evolving cycles of conflict and persistent violence by foreign and domestic armed groups, which exacerbate a deeply concerning security, human rights and humanitarian crisis, as well as inter-communal and militia violence in areas of the country.
- MONUSCO's mission is primarily to protect civilians threatened by violence, secondly to disarm, demobilize and reintegrate combatants, and thirdly to provide strategic and technical advice on reforming Congo's security sector.