

Q: Consider the following statement regarding Labour Force Participation Rate (LFPR):

1. The LFPR in urban areas increased for persons of age 15 years and above.
2. Worker-Population Ratio (WPR) in urban areas increased for persons of age 15 years and above.
3. NITI Aayog launched Periodic Labour Force Survey.

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:

- The Labour Force Participation Rate (LFPR) for persons of age 15 years and above and the Worker-Population Ratio (WPR) improved during the period.
- The LFPR in urban areas increased from 47.5% in April-June 2022 to 48.8% in April-June 2023 for persons of age 15 years and above.
- The WPR in urban areas increased from 43.9% in April-June 2022 to 45.5% in similar months in this year for persons of age 15 years and above.
- For male, it increased from 68.3% to 69.2% and for female, it increased from 18.9% to 21.1% during this period.
- Considering the importance of availability of labour force data at more frequent time intervals, National Statistical Office (NSO) launched Periodic Labour Force Survey in April 2017.

Q: Consider the following statement regarding Hemochromatosis:

1. It is an inherited condition where calcium levels in the body slowly build up over many years.
2. Hereditary hemochromatosis is driven by a mutation in the HFE gene.
3. Secondary hemochromatosis is typically caused by external factors like frequent blood transfusions.

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:

- Hemochromatosis is an inherited condition where iron levels in the body slowly build up over many years.
- Hereditary hemochromatosis is driven by a mutation in the HFE gene, resulting in individuals being homozygous for the C282Y variant.
- This genetic anomaly sets the stage for a lifelong struggle with excessive iron absorption within the intestines.
- Secondary hemochromatosis is typically caused by external factors like frequent blood transfusions, excessive iron supplementation, or certain medical conditions.
- The iron accumulation in secondary hemochromatosis is often more rapid and can have a similar impact on organ function

Q: Consider the following statement regarding Reticulated python:

1. These tropical snakes are classically associated with lowland rainforests and wetlands.
2. Conservation status by IUCN is least concern.

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:

- Reticulated python is a member of the family Pythonidae.
- This species has a broad range across southeastern Asia, including the Nicobar Islands, Myanmar, across to Indochina, Philippines, and Malaysia.
- These tropical snakes are classically associated with lowland rainforests and wetlands.
- Conservation status by IUCN is least concern

Q: Consider the following statement regarding Exercise CHAKRAVAT:

1. It is an Annual Joint Humanitarian Assistance and Disaster Relief HADR Exercise.
2. This is a multi-agency effort involving all three Services, Paramilitary Forces, as well as several disaster response organisations, NGOs, academic institutions and international organisations.
3. The 2023 edition of the exercise is being hosted by the Indian Navy at Goa.

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:

- Exercise CHAKRAVAT is an Annual Joint Humanitarian Assistance and Disaster Relief HADR Exercise (AJHE)
- Since its first edition in 2015, the Annual Joint HADR Exercise, CHAKRAVAT has transformed itself into a multi-agency endeavour.
- It involves participation of all three Services, Paramilitary Forces, as well as several disaster response organisations, NGOs, academic institutions and international organisations.
- The 2023 edition would further synergise efforts at the national level among all stakeholders, as well as witness participation from eight countries of the Indian Ocean Region.
- The exercise has been conducted by the Indian Army, Indian Navy (IN) and Indian Air Force (IAF) in rotation since 2016.
- The 2023 edition of the exercise is being hosted by the Indian Navy at Goa.

Q: Consider the following statement regarding International Big Cat Alliance (IBCA):

1. It was launched by India, for the conservation of seven big cats.
2. IBCA will also assist existing species-specific inter-governmental platforms to boost conservation efforts.
3. Jaguar, and Puma are not part of the big cat conservation.

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:

- International Big Cat Alliance (IBCA) was launched by India on April 9, 2023, for the conservation of seven big cats, namely Tiger, Lion, Leopard, Snow Leopard, Cheetah, Jaguar, and Puma harbouring our planet.
- It is open to 97 'range' countries, which contain the natural habitat of these big cats, as well as other interested nations, international organizations, etc.
- It will provide a platform for the member nations to share knowledge and expertise and extend support to recovery efforts in potential habitats.

- Its major activities will include advocacy, partnership, knowledge e-portal, capacity building, eco-tourism, partnerships between expert groups, and finance tapping.
- IBCA will also assist existing species-specific inter-governmental platforms to boost conservation efforts.