

**Q: Consider the following statement regarding 'Global Shield':**

- a) It is being developed in collaboration with the Vulnerable Twenty (V20) group of 58 climate vulnerable economies.
- b) This was the first time that a special loss and damage fund was on the agenda at the United Nation's climate conference.
- c) Germany and France is not the part of this plan.

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:

- 'Global Shield' is being developed in collaboration with the Vulnerable Twenty (V20) group of 58 climate vulnerable economies.
- The research released by the V20 bloc in 2022 estimates countries had lost some \$525 billion to climate impacts since 2000, reports Al Jazeera.
- This was the first time that a special loss and damage fund was on the agenda at the United Nation's climate conference.
- Germany has announced shelling out €170 million (\$172 million) for the insurance plan.
- France will pay \$20 million initially and its total commitment would be \$60 million over three years.
- Canada and Denmark will stump up \$7 million and \$4.7 million respectively.
- United States has also expressed support for the plan.

**Q: Consider the following statement regarding Digital Shakti:**

1. It was started in 2022.
2. It was aim to help women across the nation to raise the awareness level on the digital front.
3. A Resource Center was also developed under the project to provide information on all the avenues of reporting in case a woman faces any cybercrime.

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:

- Digital Shakti started in June 2018 to help women across the nation to raise the awareness level on the digital front, to build resilience, and fight cyber-crime in the most effective ways.
- Through this project, over 3 Lakh women across India have been made aware of cyber safety tips and tricks, reporting & redressal mechanisms, data privacy and usage of technology for their benefits.
- The third phase of the program was started in March 2021. In the third phase, a Resource Center was also developed under the project to provide information on all the avenues of reporting in case a woman faces any cybercrime.

**Q: Consider the following statement regarding Kangra Miniature:**

1. It depicts Shringar Rasa.
2. The style reached its zenith during the reign of Maharaja Sansar Chand Katoch.

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:

- Kangra miniature paintings generally depict 'Shringar Rasa' (love) on a natural, organic backdrop.
- The art originated in a small hill state 'Guler' in the first half of the 18th century when a family of Kashmiri painters trained in the Mughal Style of painting sought shelter at the court of Raja Dalip Singh of Guler.
- The style reached its zenith during the reign of Maharaja Sansar Chand Katoch who was a great patron of Kangra art.

**Q: Consider the following statement regarding Artemis-1:**

1. It is carrying three dummies that will gather data about vibrations, stress, and radiation in space.
2. Two female-bodied model human torsos, called phantoms, who have been named “Zohar” and “Helga”, were also launched onboard.
3. It is also carrying 10 dedicated CubeSats.

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:

- While there are no humans onboard, the **Artemis-1 is carrying three dummies** that will **gather data about vibrations, stress, and radiation in space**. The data will help devise better strategies for humans on the long-duration mission to Moon and then on to Mars.
- The spacecraft is carrying **Commander Moonikin Campos, a male-bodied manikin** previously **used in Orion vibration tests**. The mannequin has been equipped with two radiation sensors and has additional sensors under its headrest and behind its seat to record acceleration and vibration data.
- Meanwhile, **two female-bodied model human torsos, called phantoms**, who have been named **“Zohar” and “Helga”**, **were also launched onboard**.
- Artemis-1 is also carrying **10 dedicated CubeSats** which will conduct different observations to plot the future course to the Moon. A biology experiment is also being launched that will test the effects of the space environment at cellular levels.

**Q: Consider the following statement regarding Patan Patola:**

1. It is an ancient art in pure silk.
2. This peculiar quality has its origins in an intricate and difficult technique of dyeing known as ‘bandhani’.
3. It was prepared by Parsi family of Gujarat.

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 ancient art of double ikat or Patola woven in pure silk dates back to the 11th century.
- The scarf woven by the Salvi family in Patan area of Northern Gujarat is so well crafted that its front and reverse are indistinguishable.
- This peculiar quality has its origins in an intricate and difficult technique of dyeing or knot dyeing, known as ‘bandhani’, on the warp and weft separately before weaving.