BLOGS

Sample GK Questions for CLAT 2024

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Read the passage and answer the following questions.

Passage 1

The Indian Space Research Organisation (ISRO) has received the ____**X**____ satellite from the U.S. space agency. ____**X**____ is a Low Earth Orbit observatory jointly developed by NASA and ISRO.

According to ISRO, ____**X**____ will map the entire globe in 12 days and provide spatially and temporally consistent data for understanding changes in Earth's ecosystems, ice mass, vegetation biomass, sea level rise, groundwater and natural hazards, including earthquakes, tsunamis, volcanoes and landslides.

____**X**____ carries L and S dual-band SAR, which operates with the Sweep SAR technique to achieve large swaths with high-resolution data. The SAR payloads mounted on Integrated Radar Instrument Structure (IRIS) and the spacecraft bus are together called an observatory.

Last month, NASA said since early 2021, engineers and technicians at Jet Propulsion Laboratory (JPL) in Southern California have been integrating and testing ____**X**____'s two radar systems — the L-band SAR provided by JPL and the S-band SAR built by ISRO.

The U.S. space agency had said the SUV-size payload would be moved into a special cargo container for a 14,000-kilometer flight to Bengaluru. The final integration of the satellite will be carried out at the U.R. Rao Satellite Centre in ____**Y**____, and ISRO is looking to launch the satellite in 2024 from Satish Dhawan Space Centre in Sriharikota.

Source: **https://www.thehindu.com/sci-tech/science/nasa-hands-over-nisar-satellite-to-isro/article66595669.ece**

Difficulty Level: Moderate

1. What is X, the Low Earth observatory jointly developed by NASA and ISRO? a. NASA-ISRO Synthetic Aperture Radar (NISAR)b. Double Asteroid Redirection Test (DART) c. Transiting

Exoplanet Survey Satellite (TESS) d. Surface Water and Ocean Topography (SWOT)

2. Where is the U.R. Rao Satellite Centre located? Or Identify Y.a. Thiruvananthapuram, Kerala b. Bengaluru, Karnataka c. Sriharikota, Andhra Pradesh d. Abdul Kalam Island, Odisha
3. Who is current chairman of ISRO? a. S. Somanath b. K. Sivan c. G. Madhavan Nair d. U.R. Rao
4. How long will the X satellite operate?a. Minimum of twelve months b. Minimum of three years c. Minimum of five years d. Minimum of six years
5. Which of the following are not the objectives of X?a. Disaster mapping b. Observation of global changes in permafrost c. Observation of the Sun and the solar corona d. Monitoring of global forest resources
6. ISRO's commercial arm NewSpace India Ltd (NSIL) signed a contract with which of the following communications company to launch 72 satellites in two phases?a. Verizon b. OneWeb c. Airtel d. Reliance Communications
7. NASA recently named the first woman and black man for the Artemis II Moon mission. Identify the pair.a. Jessica Meir and Guion Bluford b. Christina Koch and Jessica A. Watkins c. Stephanie Wilson and Guin Bluford d. Christina Koch and Victor Glover
8. Aditya-L1, the first Indian space mission to observe the Sun will be launched using which of the following launch vehicles?a. Satellite Launch Vehicle (SLV) b. Augmented Satellite Launch Vehicle (ASLV) c. Polar Satellite Launch Vehicle (PSLV) d. Geosynchronous Satellite Launch Vehicle (GSLV)

Answers

1. (a) NASA-ISRO Synthetic Aperture Radar (NISAR)
2. (b) Bengaluru, Karnataka
3. (a) S. Somanath
4. (b) Minimum of three years
5. (c) Observation of the Sun and the solar corona
6. (b) OneWeb
7. (d) Christina Koch and Victor Glover

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