BLOGS

Passage Based Questions on October 2020 Current Affairs

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Given below are the Passage Based Questions on October 2020 Current Affairs. Attempt the questions and check your score. To revise the October 2020 current affairs, click here.

Passage 1

Three scientists have won the Nobel Prize in physics for groundbreaking research into black holes, the spacetime phenomena that have long consumed the imagination of both scientists and fiction writers. Roger Penrose, Reinhard Genzel and Andrea Ghez's work has helped reveal "the darkest secrets of the universe," Secretary-General Göran K. Hansson for the Royal Swedish Academy of Sciences said when announcing the winners Tuesday. British mathematical physicist Penrose of the University of Oxford has been honoured "for the discovery that black hole formation is a robust prediction of the general theory of relativity," the prize committee said. Building on Nobel laureate

Albert Einstein's general theory of relativity, Penrose developed "ingenious" mathematical methods to prove that black holes are a direct consequence of the scientific theory, the committee said. American astronomer Ghez, the fourth woman to ever win the prize in physics, and German astrophysicist Genzel were jointly awarded "for the discovery of a supermassive compact object at the centre of our galaxy," the committee said. "I hope I can inspire other young women into the field," Ghez, a professor at the University of California, Los Angeles, told the news conference by phone. Genzel is the director of the Max Planck Institute for Extraterrestrial Physics in Garching, Germany, and a professor at the University of California, Berkeley. Ghez and Genzel developed methods using the world's largest telescopes to see through clouds of interstellar gas and dust in our galaxy to discover an invisible and extremely heavy object governing the orbits of stars. Their discoveries in the 1990s were evidence of a supermassive black hole — 4 million times the mass of our sun — at the centre of the Milky Way.

Source

Questions

1. Who was awarded the Nobel Peace Prize 2020?

- Emmanuelle Charpentier
- Louise Gluck
- World Food Programme
- Both (a) and (b)

1. Nobel Prize is not awarded for

- Chemistry
- Physiology
- Medicine
- Mathematics

1. The Nobel Prize is named after a Swedish chemist and his name is

- Albert
- Alfred
- Adam
- None of these

1. Abhijit Banerjee won the Nobel Prize in 2019 in the field of

- Physics
- Literature
- Chemistry
- Economics

1. _____ won the Nobel Peace Prize along with Kailash Satyarthi in 2014 and is the youngest Nobel Laureate.

- Malala Yousafzai
- Murad
- Maria Yousafzai
- None of these.

Passage 2

The NASA-ISRO Synthetic Aperture Radar (NISAR) satellite is expected to be launched by 2022, according to a joint statement issued after a strategic dialogue between India and the US on Tuesday. India and the US have also decided to share Space Situational Awareness information, which will catalyse efforts to create the conditions for a safe and sustainable space environment, it said. The two sides also expressed the intent to continue the India-US Space Dialogue as well as discussions on areas of potential space defence cooperation.

The joint statement, issued after the 2 2 strategic dialogue between Defence Minister, External Affairs Minister and their US counterparts Secretary of States Michael R Pompeo and Secretary of Defense Mark T Esper, said, "…the ministers applauded the ongoing collaboration between ISRO and National Aeronautics and Space Administration, including on the NASA-ISRO Synthetic Aperture Radar (NISAR) satellite scheduled to be launched by 2022."The space agencies of the two countries had signed an agreement in 2014 to conduct the joint NISAR mission to co-develop and launch a dual frequency synthetic aperture radar on an Earth observation satellite.

"The ministers also looked forward to sharing Space Situational Awareness information, which will catalyse efforts to create the conditions for a safe, stable, and sustainable space environment," it said. Space debris, which is tens of thousands currently in the Earth's orbit, pose a threat to space assets. Space Situational Awareness (SSA) refers to keeping track of objects in orbit and predicting where they will be at any given time. Last year, the ISRO laid the foundation stone for its own Space Situational Awareness Control Centre.

The ministers welcomed the signing of a Memorandum of Understanding (MoU) for Technical Cooperation in Earth Observation and Earth Sciences between the Ministry of Earth Sciences and the US National Oceanic and Atmospheric Administration, the joint statement said. The signing of MoU will be for developing a better understanding of the regional and global weather origins in the Indian Ocean and advancing common research goals in meteorology, oceanography, and management of living marine resources, it said.

Source

Questions

1. Who is serving as the Union External Affairs Minister currently?

- Ramesh Pokhriyal
- Rajnath Singh
- S Jaishankar
- Sushma Swaraj

1. What is the full form of ISRO and NASA?

- Indian Space Research Organisation and National Aeronautics and Space Administration
- Indian Space Research Organisation and National Aeronautics and Space Agency
- International Space Research Organisation and National Aeronautics and Space Administration
- None of the above.

1. The Headquarter of NASA is situated in

- Hague
- New York
- New Jersey
- Washington

1. In October 2020 NASA launched a cargo spacecraft in the name of an astronaut of Indian origin who is _____?

- Sunita Williams
- Kalpana Chawla
- Rakesh Sharma
- None of these

1. Which was the first artificial satellite launched by India?

- Chandrayaan
- Aryabhatta
- Bhaskar Sega
- None of the Above

Answers

Passage 1

1. (c)
2. (d)
3. (b)
4. (d)
5. (a)

Passage 2

1. (c)
2. (a)
3. (d)
4. (b)
5. (b)