

1. Which country topped the Asian Power Index for 2021?

- A) China  
B) India  
C) USA ☒  
D) Russia



- ✓ Asian Power Index is prepared by the Lowy Institute of Sydney. In the recently released index of 2021, the United States ranked at the top spot, for exerting influence over the region.
- ✓ The Index, which ranks 26 nations and territories in Asia, ranks India as the 4th most powerful country. India has retained its 4th position, on the basis of several measures of power such as economic capability, military capability, resilience and cultural influence.

2. Which city has become the world's first government to turn completely paperless?

- A) Moscow  
B) Dubai ☒  
C) New York  
D) Abu Dhabi



- ✓ Dubai has become the world's first government to turn completely paperless, said the Emirate's Crown Prince, Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum. The Government announced that it provided a savings of 1.3 billion Dirham (USD 350 million) and 14-million-man hours. "The Dubai Paperless Strategy" was implemented in five phases. The strategy was implemented across all 45 government entities in the emirate, to provide than 1,800 digital services.

3. The 'Nupi Lal Day' is observed every year in which state/UT?

- A) Assam  
B) Manipur ☒  
C) Arunachal Pradesh  
D) Sikkim



- ✓ The Nupi Lal Day is observed to pay rich homage to the brave women of Manipur who fought for justice against the British Government. It is observed every year on December 12.

4. What is the name of the therapy involving the use of light-sensitive medicine?

- A) Photodynamic therapy ☒  
B) Photovoltaic therapy  
C) Photogeneric therapy  
D) Photology



- ✓ Photodynamic therapy involves the use of light-sensitive medicine, which is activated by a light source. The treatment is used to treat certain cancers, and patients report a side effect due to the treatment. Many people claim to have better night vision and also vision of unusual patterns and silhouettes in the dark. Researchers discovered Rhodopsin, a light-sensitive protein found in retinas, interacts with chlorin e6, a photosensitive used in cancer treatment.

5. River Seine, which was seen in the news recently, is located in which country?

- A) Russia  
B) France ☒  
C) Australia  
D) China



- ✓ The Seine is a 777-kilometre-long river situated in northern France. The opening ceremony of the Paris Olympics on July 26, 2024, will be held on the River Seine. Athletes and officials from more than 200 countries will sail almost 6 kilometres (4 miles) between the Pont d'Austerlitz and Pont d'Iena bridges in Paris.

6. Yutu-2 moon rover, which was making news recently, was launched by which country?

- A) Japan  
B) China ☒  
C) UAE  
D) Israel



- ✓ Yutu-2 is a robotic lunar rover which was launched in 2018, as a part of Chang'e 4 mission to the Moon. The rover has recently detected a strange-looking, cube-shaped object on the surface of the Moon. The rover spotted the object as it crossed the Von Karman crater on the far side of the Moon. The object has been dubbed "mystery house".

7. Which airlines is set to be the first to use sustainable aviation fuel (SAF)?

- A) British Airways ☒  
B) Air India  
C) Qantas  
D) Air Emirates



- ✓ British Airways will become the first airline to use sustainable aviation fuel produced on a commercial scale in the UK after signing the agreement with Phillips 66 Limited. Sustainable aviation fuel-SAF is a lower carbon-intensity fuel that can be produced from renewable feed-stocks such as waste vegetable oils, fats and greases.

8. With reference to Space science, what is 'Leonard'?

- A) Asteroid  
B) Comet ☒  
C) Exoplanet  
D) Satellite



- ✓ A bright comet in northern skies was spotted in November this year. It is Comet C/2021 A1, also known as Leonard. The comet was first discovered around Jupiter in January 2021. The comet was picked up by the telescope, with a greenish coma, at the heart of NGC 4631 also known as the Whale Galaxy. The comet Leonard will grow brighter in the month of December.

9. When is the 'Armed Forces Flag Day' observed every year?

- A) December 7 ☒  
B) December 8  
C) December 10  
D) December 15



- ✓ The 'Armed Forces Flag Day' is observed every year on December 7. The day is meant to honour martyrs, and the brave soldiers who serve this country. It is also known as India's Flag Day and is dedicated to raising funds from Indian citizens for the welfare of the Indian Army. India has been celebrating this day every year since August 1949.

10. Which country is to play host to the multi-nation disaster management exercise 'PANEX-21'?

- A) USA  
B) India ☒  
C) Japan  
D) China



- ✓ The Indian Army is organising a multi-nation disaster management exercise been called PANEX 21. The exercise will involve BIMSTEC countries namely Bangladesh, Bhutan, Nepal, Sri Lanka, Myanmar, Thailand and India. The Exercise PANEX 21 is planned to be conducted at Pune from December 20-22, with a special focus on relief in the background of Covid-19 pandemic.
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