

1. The Chandrayaan-2 orbiter has detected Argon-40 on lunar exosphere from an altitude of approximately 100 kilometres recently. Which of the following statements regarding the same stands true ?

1. Chandrayaan-2 orbiter, has a neutral mass spectrometer-based payload which can detect constituents in the lunar neutral exosphere in the range of 1-100 amu only.
2. Argon-40, which is one of the isotopes of the noble gas Argon, is an important constituent of the lunar exosphere which originates from the radioactive disintegration of Potassium-40 ( $^{40}\text{K}$ ), which has a half-life of  $\sim 1.2 \times 10^9$  years.
3. Potassium is one of the 10 most abundant elements that together make up 99 percent of Earth's crust and is therefore a major constituent of many rock-forming minerals.

Choose the correct option :

- (a) 1 & 2 only
  - (b) 2 & 3 only
  - (c) 1 & 3 only
  - (d) All the above
2. Which country has decided not to join to RCEP?
- (a) Japan
  - (b) India
  - (c) China
  - (d) All
3. Consider the following statements regarding the supreme court mandated body Environment Pollution Control Authority (EPCA) :
1. EPCA was constituted with the objective of 'protecting and improving' the quality of the environment and 'controlling environmental pollution' in the National Capital Region.
  2. It was constituted in 1998 by environment ministry under The Air Pollution Control Act of 1955.
  3. One of its primary functions involves enforcing the Graded Response Action Plan (GRAP) in NCR as per the pollution levels.

Which of the above statements are true ?

- (a) 1 & 2 only
  - (b) 2 & 3 only
  - (c) 1 & 3 only
  - (d) All the above
4. Which of the following statements regarding the fiscal deficit containment scenario by the central government stands true ?
1. The government has budgeted the fiscal deficit at 3.3 per cent of the gross domestic product (GDP) for the current financial year, lower from 3.4 per cent in 2018-19.
  2. According to the budget documents, the government's total expenditure is anticipated to grow at the rate 13.4 per cent, whereas the total non-debt receipts are projected to grow by 14.3 per cent.
  3. The Fiscal Responsibility and Budget Management (FRBM) Rules, 2004, specifies annual targets and mandates the central government to reduce the fiscal deficit by an amount equivalent to 1 per cent or more of GDP per year.

Choose the correct option:

- |                |                   |
|----------------|-------------------|
| (a) 1 & 2 only | (b) 2 & 3 only    |
| (c) 1 & 3 only | (d) All the above |

5. The west side of the island borders the Caribbean Sea, and the eastern coast faces the Atlantic Ocean. It became home to the first Caribbean British and French colonies in the mid-1620s. It's known for rain forested mountains and beaches of white, gray, and black sands and is located nearly 2000kms from Miami, U.S.

The above description refers to which of the following countries/islands?

- (a) Nauru (b) Tuvalu  
(c) Saint Kitts (d) Marshall islands

6. Consider the following statements regarding Ganga Aamantran Abhiyan :

1. Ganga Aamantran Abhiyan is for inviting private investments for sanitation based integrated development along the River Ganga.
2. This is the first ever effort by National Mission for Clean Ganga.
3. The team from CSIR-Indian Institute of Toxicology Research will collect water samples from across the river for the purpose of water testing.

Which of the above statements is/are correct?

- (a) 1, 2 (b) 1, 3  
(c) 2, 3 (d) 1, 2, 3

7. Consider the following statements about 'Virtual ID' for Aadhaar :

1. The Virtual ID is a random 12-digit number.
2. The ID can be generated as many times as possible.
3. One's Aadhaar number can be derived from the Virtual ID generated.

Which of the above statements is/are correct?

- (a) 1, 2 (b) 2 only  
(c) 1, 3 (d) 2, 3

8. Consider the following statements regarding Global Fund for AIDS, TB and Malaria (GFTAM).

1. It is a United Nations fund to attract, leverage and invest resources to end the epidemics of HIV/AIDS, tuberculosis and malaria to support attainment of the Sustainable Development Goals.
2. India has had a sustained partnership with the Global Fund both as a recipient and as a donor.
3. India's contribution to the GFTAM for the 6th replenishment cycle (2020-22) saw an increase over the amount contributed in the 5th cycle.

Which of the above statements is/are correct?

- (a) 1, 2 (b) 1, 3  
(c) 2, 3 (d) 1, 2, 3

9. Consider the following statements regarding Swachh Iconic Places (SIP) :

1. The Swachh Iconic Places is an initiative under the Swachh Bharat Mission.
2. It is a special clean-up initiative focused on all iconic heritage, spiritual and cultural places in the country.
3. The initiative is being coordinated by the Ministry of Drinking Water and Sanitation in association with the Ministry of Urban Development, Ministry of Culture, Ministry of Tourism and the concerned State governments.

Which of the above statements is/are correct?

- (a) 1, 2 (b) 1, 3  
(c) 2, 3 (d) 1, 2, 3

10. Consider the following statements regarding Trans-fats :

1. Trans fats are a form of unsaturated fat that come in both natural and artificial forms.
2. Industrial trans-fats are used in vegetable fats / oils and baked foods for longer shelf life.
3. FSSAI aims to reduce the industrially produced trans-fats on food supply to less than two per cent by 2022.

Which of the above statements is/are correct?

- (a) 1, 2                      (b) 2, 3  
(c) 1, 3                      (d) 1, 2, 3

11. Consider the following statements :

1. Tipu Sultan fought only 3rd & 4th Anglo-Mysore War
2. Commissioned a “state commercial corporation” to set up factories.
3. Tipu reorganized his army along European lines, using new technology, including what is considered the first war rocket.

Choose the correct option :

- (a) 1 & 2                      (b) 2 & 3  
(c) All of the above              (d) Only 2

12. Consider the following statements :

1. President Richard Nixon was the only example of removal of a president as a direct result of impeachment in USA
2. The President can be removed from office for “treason, bribery or other high crimes and misdemeanors”, in USA

Choose the correct option :

- (a) Only 1                      (b) Only 2  
(c) Both 1 and 2              (d) None of the above

13. Consider the following statements :

1. Gottiprolu near Naidupet was a important Buddhist centre in ancient time
2. The site lies on the right bank of a distributary of river Swarnamukhi

Choose the correct option :

- (a) Only 1                      (b) Only 2  
(c) Both 1 and 2              (d) None of the above

14. Recently in news, what is Pegasus?

- (a) A spacecraft  
(b) A software  
(c) A supersonic aircraft  
(d) None of the above

15. Consider the following statements :

1. National Pension System (NPS) is a government-sponsored pension scheme launched in 2004
2. Any Indian citizen between 18 and 65 years can join NPS.

Choose the correct option :

- (a) Only 1                      (b) Only 2  
(c) Both 1 and 2              (d) None of the above

16. Consider the following statements :

1. International Solar Alliance (ISA) is an alliance of more than 120 countries initiated by India & established by Paris Declaration .
2. Member countries lie either completely or partly between the Tropic of Cancer and the Tropic of Capricorn .

Choose the correct option :

- (a) Only 1 (b) Only 2  
(c) Both 1 and 2 (d) None of the above

17. Consider the following statements :

1. Neo-Vaishnavite movement was started in Assam by Sankardeva
2. Borgeet, a new form of spiritual music was written by him in Sanskrit

Choose the correct option :

- (a) Only 1 (b) Only 2  
(c) Both 1 and 2 (d) None of the above

18. The Nirvik scheme is related to

- (a) Ayurveda research  
(b) Export credit & insurance  
(c) Defence  
(d) Textiles sector

19. Consider the following statements :

1. Greater Adjutant Storks is the world's most endangered of the stork species.
2. In India it is found in Western Ghats

Choose the correct option :

- (a) Only 1 (b) Only 2  
(c) Both 1 and 2 (d) None of the above

20. Consider the following statements :

1. The UNESCO Creative Cities Network (UCCN) was launched in 2004 to promote cooperation among cities which recognized creativity as a major factor in their urban development.
2. Hyderabad is the only city chosen from India for it.

Choose the correct option :

- (a) Only 1 (b) Only 2  
(c) Both 1 and 2 (d) None

### **ANSWER KEYS**

01 b 02 b 03 c 04 a 05 c 06 c 07 b 08 c 09 b 10 d  
11 b 12 b 13 b 14 b 15 c 16 a 17 a 18 b 19 a 20 a