

1. Which of the following articles of the Constitution prohibits the state from providing religious instruction in an educational institution run on public funds?
  - (a) Article 28 (1)
  - (b) Article 29
  - (c) Article 30 (2)
  - (d) Article 31
2. Consider the following statements about the virtual ID, which an Aadhaar holder can use in lieu of his/her Aadhaar number at the time of authentication?
  1. A Virtual ID (VID) will be a temporary 12-digit random number mapped with the Aadhaar number.
  2. There can only be one active and valid VID for an Aadhaar number at any given time.
  3. It is possible to derive the Aadhaar number from VID.
 Select the correct answer using the code given below:
  - (a) 1 and 2 only
  - (b) 2 only
  - (c) 1 and 3 only
  - (d) 3 only
3. Consider the following statements about the recent changes in the FDI norms:
  1. Foreign airlines can invest up to 49% under the automatic route in Air India.
  2. 100% FDI in single brand retail under the automatic route.
  3. 100% FDI in construction development under the automatic route.
 Select the correct answer using the code given below:
  - (a) 1 and 2 only
  - (b) 2 and 3 only
  - (c) 1 and 3 only
  - (d) All of the above
4. Consider the following statements:
  1. The nesting period of Olive Ridley turtles in India commences in January and ends in May.
  2. The conservation status of Olive Ridley turtles is critically endangered, according to the International Union for Conservation of Nature's red data.
 Select the correct answer using the code given below:
  - (a) 1 only
  - (b) 2 only
  - (c) Both 1 and 2
  - (d) Neither 1 nor 2
5. Consider the following statements:
  1. Har Gobind Khorana is credited with making the first synthetic genes by cutting and pasting DNA bits.
  2. The Nobel Prize in Physiology or Medicine for 1968 was awarded jointly to Har Gobind Khorana and others.
  3. Har Gobind Khorana was the first Indian citizen to win a Nobel Prize in Physiology or Medicine.
 Select the correct answer using the code given below:
  - (a) 1 and 2 only
  - (b) 2 and 3 only
  - (c) 1 and 3 only
  - (d) All of the above

6. Consider the following statements:
1. Polymerase chain reaction (PCR) is used to generate thousands to millions of copies of a particular DNA sequence.
  2. Polymerase Chain Reaction is among the methods used to commercially read the unique genetic structures of organisms today.
- Select the correct answer using the code given below:
- (a) 1 only
  - (b) 2 only
  - (c) Both 1 and 2
  - (d) Neither 1 nor 2
7. Consider the following statements:
1. Protected areas are just about 4-5% of the land in India.
  2. India is signatory to the Convention on Biological Diversity.
- Select the correct answer using the code given below:
- (a) 1 only
  - (b) 2 only
  - (c) Both 1 and 2
  - (d) Neither 1 nor 2
8. Consider the following statements:
1. A curative petition is normally allowed only on the limited grounds of violation of principles of natural justice and circumstances suggesting possible bias on the part of judges.
  2. It is the last judicial resort available for redressal of grievances in court which is normally decided by judges in-chamber.
- Select the correct answer using the code given below:
- (a) 1 only
  - (b) 2 only
  - (c) Both 1 and 2
  - (d) Neither 1 nor 2
9. Which of the following cases is concerned with the decisor, "whether an aggrieved person is entitled to any relief against the final judgement/order of the Supreme Court, after dismissal of a review petition"?
- (a) Rupa Ashok Hurra vs. Ashok Hurra
  - (b) National Legal Services Authority vs. Union of India
  - (c) Shreya Singhal vs. Union of India
  - (d) None of these
10. Consider the following statements:
1. The Z-score captures how exceptional a cricketer's One Day International batting average is when judged against batting averages of other players.
  2. Lesser the Z-score the more impressive the player's record.
- Select the correct answer using the code given below:
- (a) 1 only
  - (b) 2 only
  - (c) Both 1 and 2
  - (d) Neither 1 nor 2
11. 'AC21' or the American Competitiveness in the Twenty first Century Act is concerned with:
- (a) Dumping of goods in U.S. by the China.
  - (b) Effect of climate change related treaties on U.S. industries.
  - (c) Governing the extension of H-1B visas.
  - (d) None of these

12. The river Cauvery flows through which of the following States?

1. Karnataka
2. Tamil Nadu
3. Kerala
4. Puducherry

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 3 and 4 only
- (c) 1, 3 and 4 only
- (d) All of the above

13. Which of the following are correctly matched?

1. **GSAT-11**: Will enable 10 gbps broadband connectivity.
2. **GSAT-29**: Will use optical communication for the first time.
3. **GSAT-7A**: Will primarily be used by the Indian Navy and the military.

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) All of the above

14. Consider the following statements about ISRO's future missions:

1. Chandrayaan-2 will be ISRO's second mission to land a spacecraft on Moon and explore its surface with a rover.
2. XPoSAT will be used to study neutron stars.

Select the correct answer using the code given below:

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

15. Consider the following statements:

1. Aditya – L1 will be the first Indian mission to study the Sun.
2. Aditya – L1 will be launched by the Geosynchronous Launch Vehicle Mark-III.

Select the correct answer using the code given below:

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

16. The Outer Space Treaty includes which of the following principles:

1. The Moon and other celestial bodies shall be used exclusively for peaceful purposes.
2. Astronauts shall be regarded as the envoys of mankind.
3. States shall be responsible for national space activities whether carried out by governmental or non-governmental entities.
4. States shall be liable for damage caused by their space objects.

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only
- (b) 2, 3 and 4 only
- (c) 1, 3 and 4 only
- (d) All of the above

**ANSWER KEYS**

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

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