

**SC and POL**

1. "Event Horizon" is related to:

- (a) Telescope
- (b) Black hole**
- (c) Solar glares
- (d) None of the above

2. In the scenario where the Executive has majority in the State Legislature, which among the following is not a discretionary power of the governor of a state?

- a) Reservation of a bill for the consideration of the President.
- b) Recommendation for the imposition of the President's Rule in the state.
- c) Seeking information from the chief Minister with regard to legislative matters of the state.
- d) The power to summon and dissolve the House of the State Legislature**

3. Osteomalacia is caused by the deficiency of:

- (a) Vitamin D**
- (b) Vitamin K
- (c) Vitamin A
- (d) Vitamin C

4. With reference to the Companies Corporate Social Responsibility Policy consider the following:

- 1. CSR funds cannot be spent for creation or acquisition of capital asset.
- 2. Every entity undertaking CSR activities must register itself with the central government.
- 3. All companies will have to prepare an impact assessment report for all CSR projects.

Which of the statements given above is/are correct?

- a) 1 and 3 only
- b) 2 only**
- c) 2 and 3 only
- d) 1, 2 and 3

5. Which of the following is the real-world application of the Doppler Effect?

- (a) Medical Diagnosis
- (b) Weather Forecasting
- (c) Speed Gun
- (d) All of the above**

6. Consider the following statements regarding the Office of Profit,

- 1. Article 102 of the Constitution of India defines 'Office of Profit'.
- 2. A person who acquires a contract from a government is not guilty of holding an office of profit.
- 3. The parliament can pass a law to exclude

certain offices from being considered as 'Office of Profit'.

Which of the statements given above is/are correct?

- a) 1 and 2 only
- b) 2 and 3 only**
- c) 3 only
- d) 1, 2 and 3

7. Logistics Performance Index (LPI) is published by which of the following bodies?

- a) International Transport Organisation
- b) World Bank**
- c) World Trade Organisation
- d) UN logistics

8. Which of the following hormones is produced by the pituitary gland in both males and females but functional only in females?

- (a) Vasopressin
- (b) Relaxin
- (c) Prolactin**
- (d) Somatotrophic hormone

9. Which of the following are Plant Hormones?

- 1. Auxin
- 2. Gibberellins
- 3. Cortisol
- 4. Abscisic acid

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 3 and 4 only
- (c) 1, 2 and 4 only**
- (d) 1, 2, 3 and 4

9. Which of the following isotopes is used in the production of Heavy Water?

- (a) Deuterium**
- (b) Tritium
- (c) Protium
- (d) All of the above

10. An organic filter that allows only near infrared light (NIR) to pass through can be used for which applications?

- (a) Night photography
- (b) Night vision glasses
- (c) Security and forensics
- (d) All the above**

11. Which of the following missile systems were developed under Integrated Guided Missile Development Programme (IGMDP)?

- 1. Prithvi
- 2. Agni

3. Trishul
4. Akash
5. Nag

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only
- (b) 3, 4 and 5 only
- (c) 1, 2 and 4 only
- (d) 1, 2, 3, 4 and 5**

12. Which among the following communicable diseases are caused by virus?

1. Syphilis
2. Rabies
3. Dengue
4. Malaria

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 2 and 3 only**
- (c) 3 only
- (d) 1, 3 and 4 only

13. Nanoparticle that is made from fat molecules surrounding a core of water is known as:

- (a) Liposome**
- (b) Vesicles
- (c) Proteomics
- (d) None of the above

14. With reference to 73rd Constitutional Amendment Act, 1993, consider the following statements:

1. It created a three-tier system of panchayats in all the states.
  2. The act provides the subjects on which the Gram panchayats are allowed to levy taxes.
- Which of the statements given above is/are correct?

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

15. Consider the followings diseases

1. Polio
2. Rotavirus
3. Measles rubella
4. Adult Japanese encephalitis
5. Pneumonia
6. Adult diphtheria

Which of the above disease does have vaccine in India?

- a) 1,2,3, and 5 only
- b) 1,2,4, and 6 only
- c) 1,2, and 3 only
- d) All of the above**

16. With reference to federalism as envisages in

the Constitution of India, which of the following statements is correct?

- a) The Union of India is the result of agreements among constituent states.
- b) Residuary powers under the Seventh Schedule are vested in the states.
- c) India is an indestructible Union composed of indestructible States.

**d) The Constitution of India is the supreme law of the land.**

17. Consider the following statements:

1. The Chief Justice of India (CJI) is a public authority under the Right to Information (RTI) Act.
2. The Supreme Court collegium's meetings do not come under the Right to Information (RTI) Act.

Which of the statements given above is/are correct?

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

18. In the context of polity, who among the following can be termed as the Permanent Executive?

- a) Council of Ministers
- b) Cabinet
- c) President

**d) Bureaucracy**

19. Which of the following fundamental rights of an individual is not protected under Article 21 of the Constitution of India?

- a) Right to privacy
- b) Right to health
- c) Right to freedom of conscience**
- d) Right to speedy trial

20. Consider the following statements regarding the National Capital Territory (NCT) of Delhi:

1. The legislative assembly can make laws on public order and land only with prior sanction of the President.
2. The Chief Minister holds office during the pleasure of the president.
3. The President is empowered to promulgate ordinances when the legislative assembly is not in session.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) 1 and 3 only
- d) 2 and 3 only