

PRT

1. Who launched the 90-day campaign 'Azadi Se Antyodaya Tak'?

- (A) Amit Shah
- (B) Piyush Goyal
- (C) Kiren Rijiju
- (D) Giriraj Singh

Correct Answer:: (D)

2. Which country signed agreements on training staff and IT cooperation to deepen railway cooperation In Sep 2022?

- (A) Russia-India
- (B) Ukraine-Turkey
- (C) India-Bangladesh
- (D) America-India

Correct Answer:: (C)

3. The “Donbas War” is currently being fought in

- (A) Serbia
- (B) Ukraine
- (C) Syria
- (D) Lebanon

Correct Answer:: (B)

4. Pedagogy is the study of

- (A) education
- (B) learning process
- (C) teaching methods
- (D) guiding students

Correct Answer:: (C)

5. Dyslexia is associated with

- (A) mental disorder
- (B) mathematical disorder
- (C) reading disorder
- (D) behavioural disorder

Correct Answer:: (C)

6. Which government organizations will develop guidelines for the education of gifted children?

- (A) NCERT and NCFCS
- (B) NCERT and NCTE
- (C) NCERT and NTA
- (D) NCERT and SCERT

Correct Answer:: (B)

7. **What happens when lead nitrate reacts with potassium iodide?**

- (A) They will not react
- (B) Large amount of hydrogen release
- (C) Yellow ppt of lead iodide and potassium nitrate will be produced
- (D) Evolution of gas will occur

Correct Answer: (C)

8. **Assertion (A): As the speed of the coil in the motor increases, there is reduction in the current flowing through it.**

Reason (R): During rotation in an electric motor, some induced current is produced.

- (A) (A) is incorrect and (R) is correct.
- (B) (A) is correct and (R) is incorrect.
- (C) Both (A) and (R) are correct but (R) is not the correct explanation of (A)
- (D) Both (A) and (R) are correct but (R) is the correct explanation of (A).

Correct Answer: (A)

9. CASE STUDY

Corrosion is the phenomenon of deterioration of surface of metal in presence of air and moisture. It is a natural process and in the presence of a moist atmosphere, chemically active metals get corroded. This is an oxidation reaction. Rusting is the process where iron corrodes due to exposure to the atmosphere. The main circumstance of corrosion occurs with iron because it is a structural material in construction, bridges, buildings, rail transport, ships, etc. Aluminium is also an important structural metal, but even aluminium undergoes oxidation reactions. However, aluminium doesn't corrode or oxidize as rapidly as its reactivity suggests. Copper (Cu) corrodes and forms a basic green carbonate.

Corrosion is:

- (A) a reduction reaction
- (B) a redox reaction
- (C) a displacement reaction
- (D) an oxidation reaction

Correct Answer: (D)

10. What was the aim of Chipko movement?

- (A) Human rights
- (B) Agricultural expansion
- (C) Political rights
- (D) Forest conservation

Correct Answer : (D)

11. Assertion : Like Germany, Italy too had a long history of political fragmentation.

Reason : During the middle of the nineteenth century, Italy was divided into seven States.

- (A) If both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
- (B) If both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
- (C) Assertion (A) is true but reason (R) is false.
- (D) Both assertion (A) and reason (R) are false.

Correct Answer: (A)

12. **CASE STUDY:**

Socially and politically, a landed aristocracy was the dominant class on the continent. The members of this class were united by a common way of life that cut across regional divisions. They owned estates in the countryside and also town-houses. They spoke French for purposes of diplomacy and in high society. Their families were often connected by ties of marriage. This powerful aristocracy was, however, numerically a small group. The majority of the population was made up of the peasantry. To the west, the bulk of the land was farmed by tenants and small owners, while in Eastern and Central Europe the pattern of landholding was characterised by vast estates which were cultivated by serfs.

Aristocratic class used to speak French for the purpose of

- (A) diplomacy and high society
- (B) farming on a big land
- (C) unity among the members
- (D) educating regional divisions

Correct Answer: A

13. **Assertion:** The H.C.F. of two numbers is 16 and their product is 3072. Then their L.C.M. = 162.

Reason: If a and b are two positive integers, then $\text{H.C.F.} \times \text{L.C.M.} = a \times b$.

- (A) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- (B) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A).
- (C) Assertion (A) is true but Reason (R) is false.
- (D) Assertion (A) is false but Reason (R) is true.

Correct Answer: (D)

14. A bag contains 24 balls of which x are red, $2x$ are white and $3x$ are blue. A ball is selected at random. What is the probability that it is not red?

Options :

(A) $\frac{8}{24}$

(B) $\frac{12}{24}$

(C) $\frac{5}{6}$

(D) $\frac{16}{24}$

Correct Answer: (C)

15. **CASE STUDY**

Raj and Ajay are very close friends. Both the families decide to go to Ranikhet by their own cars. Raj's car travels at a speed of x km/h while Ajay's car travels 5 km/h faster than Raj's car. Raj took 4 hours more than Ajay to complete the journey of 400 km.

What will be the distance covered by Ajay's car in two hours?

(A) $2(x + 5)$ km

(B) $(x - 5)$ km

(C) $2(x + 10)$ km

(D) $(2x + 5)$ k

Correct Answer: (A)

16. Which kind of information would you write in the opening part of a formal letter ?

(A) Ask how good the weather is in the recipient's city.

(B) Inform the recipient why you are writing the letter.

(C) Discussing the recipient if he is hale and hearty.

(D) Discussing how good the weather is in your city.

Correct Answer: (B)

17. Cataract is the major cause of blindness, which is also caused by a damage to the cornea. It occurs more often in old age. As one starts growing old, the lens of the eye hardens, loses its transparency and becomes opaque. It obstructs the light rays from entering the eye.

The onset of cataract blurs the vision. Sometimes, the cataract patient sees multiple images instead of a single object image. Because of the gradual development of cataract, the afflicted person loses his/her vision and the world becomes dark to him/her.

The development of cataract is a complex process. However, the following factors can be attributed to its formation. Cataract generally develops in old age but sometimes, children are born with cataract because of hereditary defect. Eye injuries too, can cause cataracts.

People exposed to sun rays for longer periods develop cataract earlier than others. Researchers opine that the smoke inhaled while smoking carries substances internally damaging the eyes.

Ultraviolet radiation, invisible to the human eye, is linked to skin cancer. The victim loses vision and the world becomes dark to him.

Which type of cancer is caused by ultraviolet radiation ?

- (A) stomach cancer
- (B) liver cancer
- (C) Skin cancer
- (D) None of these

Correct Answer: (C)

18. देवनागरी लिपि का प्रयोग किस भारतीय भाषा को लिखने में नहीं किया जाता?

- (A) मराठी
- (B) पंजाबी
- (C) हिंदी
- (D) संस्कृत

Correct Answer: (B)

19. व्याकरण की दृष्टि से कौन-सा वाक्य शुद्ध है?

- (A) नदी की इस ओर पनघट है।
- (B) नदी पर इस ओर पनघट है।
- (C) नदी किनारे इस ओर पनघट हैं।
- (D) नदी के इस ओर पनघट है।

Correct Answer : (D)

CASE STUDY

भारत में हरितक्रांति का मुख्य उद्देश्य देश को खाद्यान्न मामले में आत्मनिर्भर बनाना था ;लेकिन इस बात की आशका किसी को नहीं थी कि रासायनिक उर्वरकों और कीटनाशकों का अंधाधुंध इस्तेमाल न सिर्फ खेतों में, बल्कि खेतों से बाहर मंडियों तक में होने लगेगा। विशेषज्ञों के मुताबिक रासायनिक उर्वरकों और कीटनाशकों का प्रयोग खाद्यान्न- गुणवत्ता के लिए सही नहीं है। एक ओर देश की बढ़ती आबादी के लिए अधिकाधिक फसलों की पैदावार जरूरी है तो दूसरी ओर इसके कुप्रयोग के दुष्परिणाम अनेकानेक बीमारियों के रूप में सामने आ रहे हैं। न केवल अन्न; अपितु सब्जियां , फल, दूध एवं अन्यान्य खाद्य पदार्थ दूषित होते जा रहे हैं। यद्यपि आज का औषधि-विज्ञान निरंतर प्रगति पर प्रगति कर रहा है, परन्तु उतनी ही नई- नई बीमारियाँ घर करती जा रही हैं। आज नई उम्र के बच्चों को भी शर्करा- रोग, रक्तचाप की बीमारियां, हृदय -रोग, हृदयाघात, लिवर और किडनी सम्बन्धी विविध बीमारियाँ, वातरोग, अस्थिरोग औरअन्य कैंसर आदि अनेक प्रकार की भीषण बीमारियाँ घेरे रहती हैं।

20. रासायनिक उर्वरकों और कीटनाशकों का प्रयोग खाद्यान्न- गुणवत्ता के लिए सही नहीं है। खाद्यान्न- गुणवत्ता में कौन से प्रकार का समास है ?

- (A) अव्ययीभाव समास
- (B) तत्पुरुष समास
- (C) द्वन्द्व समास
- (D) बहुब्रीहि समास

Correct Answer: (B)