

TEST – 2 (Textbook)
(INSTA Prelims Test Series 2021)

23. Consider the following about Exascale computers, seen recently in news.

1. These computers are made using biochemical processes and materials.
2. These operate entirely on quantum computing principles.
3. They are proposed to be several times faster than even the modern supercomputers.

Select the correct answer using the codes below.

- A. 1 and 2 only B. 3 only C. 2 only D. None of the above

24. National Bureau of Plant Genetic Resources (NBPGR) is under the aegis of

- A. Ministry of Health and Family Welfare B. Ministry of Agriculture and Farmer's Welfare
C. Department of Biotechnology D. Ministry of Environment, Forest and Climate Change

25. Consider the following statements about the ecological study of animal habitats.

1. Source - Sink Dynamics is used as a theoretical model by ecologists to understand the effects of habitat quality on the population growth of organisms.
2. Ecological trap theory primarily aims to describe why the population of certain organisms decline despite providing them with all the necessary legal and ecological protection.

Which of the above is/are correct?

- A. 1 only B. 2 only C. Both 1 and 2 D. None

26. Consider the following statements.

1. Purchasing Managers' Index (PMI) is an index of the level of inflation in capital intensive agriculture and allied sectors.
2. Index of Industrial Production is compiled and published monthly by the Central Statistics Office (CSO), Ministry of Statistics and Programme Implementation.

Select the correct answer using the codes below.

- A. 1 only B. 2 only C. Both 1 and 2 D. None

27. Narcondam Hornbill is most likely to be found in which of these environments?

- A. Marshy and salty environments B. Arid and semi-arid regions
C. Alpine vegetation D. Tropical and sub-tropical moist shrublands

28. Uranium reserves can be found in India in which of the following basins/belts?

1. Bhima basin in Karnataka 2. Orewadi Basin in Madhya Pradesh
3. Cuddapah basin of Andhra Pradesh 4. Mahadek basin of Meghalaya
5. Aravali ranges

Select the correct answer using the codes below.

- A. 2 and 3 only B. 1, 3 and 4 only C. 1 and 5 only D. 1, 2, 3, 4 and 5

29. Deforestation causes a major loss to the soil because

1. the soil loses beneficial microorganisms
2. the soil becomes loosened and disintegrated increasing soil runoff
3. it depletes soil moisture and groundwater table

Select the correct answer using the codes below.

- A. 2 only B. 1 and 2 only C. 2 and 3 only D. 1, 2 and 3

30. Consider the following about the benefits of Soil mulching.

1. Mulching conserves soil moisture by reducing the amount of soil water lost through evaporation.
2. Mulching helps maintain a uniform soil temperature which is beneficial for some crops.

Select the correct answer using the codes below.

- A. 1 only B. 2 only C. Both 1 and 2 D. None

31. Drip irrigation is more water efficient than surface irrigation in farms that are located in

1. Dry/hot regions with high rates of evaporation 2. Undulating or unevenly sloped lands

Which of the above is/are correct?

- A. 1 only B. 2 only C. Both 1 and 2 D. None

32. Consider the following statements about certain protected areas.

1. National Parks intend to conserve not only the ecological diversity, but also the social and cultural diversity within the park.
2. Human settlements can be found within a Biosphere reserve.
3. Wildlife sanctuary aims at the conservation of a targeted set of species.

Which of the above is/are correct?

- A. 1 and 2 only B. 2 and 3 only C. 3 only D. 1, 2 and 3