

**TEST – 26 (Textbook)**  
**( INSTA Prelims Test Series 2021 )**

**55. Consider the following statements.**

1. Selective breeding is a form of genetic modification which does not involve the addition of any foreign genetic material (DNA) into the organism.
2. Trait selection via gene exclusion is controlled better in traditional breeding techniques than genetic engineering techniques.

Which of the above is/are correct?

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

**56. Consider the following statements.**

Laboratory for the Conservation of Endangered Species (LaCONES) is

1. an extension of the DeepVault project in Arctic that cryopreserves plant genes
2. the first genetic bank for wildlife conservation in India

Which of the above is/are correct?

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

**57. Ocean energy can be harvested in which of the following ways?**

1. Wave energy
2. Salinity gradient energy
3. Ocean thermal energy conversion
4. Tidal energy

Select the correct answer using the codes below.

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

**58. Consider the following statements.**

1. A thermal storage system that depends on heat being retained for an extended period of time can be an example of a thermal battery.
2. India has no commercial thermal battery plants.
3. Thermal batteries can be used in E-vehicles.

Select the correct answer using the codes below.

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

**59. Consider the following about these central schemes.**

1. Fund for Improvement of S& T infrastructures in Universities and Higher Educational institutions (FIST) Program is flagship program of the Ministry of Human Resources Development (MHRD).
2. Promotion of University Research and Scientific Excellence (PURSE) is an initiative of the Department of Science & Technology (DST) to build the research capacity of Indian Universities that perform upto a certain standard.

Select the correct answer using the codes below.

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

**60. Clarion-Clipperton Zone, sometimes seen in news, is associated with**

- A. a number of large oil spills in the Arctic region
- B. significant polymetallic nodules reserves in the Central Pacific Ocean
- C. the beginning of the Asia-pivot policy of the USA
- D. major international conflicts on marine resources as noted by the International Seabed Authority (ISA)

**61. MANAV, Human Atlas Initiative, is a project in India funded by the**

- A. Department of Bio-technology (DBT), Government of India
- B. International Centre for Genetic Engineering and Biotechnology (ICGEB)
- C. United Nations Industrial Development Organization (UNIDO)
- D. WHO's Human Genomics in Global Health initiative

**62. Consider the following statements about the Particularly Vulnerable Tribal Groups (PVTGs) in India.**

1. One of the characteristics of PVTGs is that they have declining or stagnant population.
2. Among all the listed PVTGs, the highest number of such groups are found in Madhya Pradesh.
3. Ministry of Tribal Affairs has a dedicated Scheme for the development of PVTGs.
4. Special Central Assistance (SCA) to Tribal Sub-Scheme (TSS) cover PVTG related grants as well.

Select the correct answer using the codes below.

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

**63. Consider the following statements about Immunoglobins (IGs) antibodies.**

1. Type E IGs are produced when the body is attacked by disease causing invaders.
2. Type M IGs are produced to fight against a pathogen.
3. Type A IG antibodies facilitate innate immunity.

Select the correct answer using the codes below.

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