

IPB 2.0 PRELIMS TEST - 15 (SOLUTION)
(IPM 2021)

18. Correct Answer : A

Answer Justification :

Justification: Zolgensma gene therapy is a one-time injection that replaces the defective gene with normal gene and rectifies the disorder. In 2019, US FDA approved this therapy for children aged less than two years.

As a gene therapy, ZOLGENSMA is designed to target the genetic root cause of spinal muscular atrophy (SMA) by replacing the function of the missing or nonworking SMN1 gene with a new, working copy of a human SMN gene.

SMN protein is essential to motor neuron cell survival. These cells control muscle function. Without SMN protein, motor neuron cells die, causing muscles to become so weak that breathing, eating, and moving become difficult, and the condition is likely to become life threatening in its most severe forms.

ZOLGENSMA does not change or become a part of the child's DNA.

Q Source: Insights S&T modules

19. Correct Answer : C

Answer Justification :

Justification: These are some important conservation initiatives:

Critical Ecosystem Partnership Fund (CEPF) is a global programme that provides funding and technical assistance to nongovernmental organisations.

- The World Wide Fund for Nature's "Global 200 Ecoregions" aims to select priority Ecoregions for conservation.
- Birdlife International identifies "Endemic Bird Areas" (EBAs) and Plantlife International coordinates with several parts of the world aiming to identify important plant areas.
- Alliance for Zero Extinction is an initiative of a large number of scientific organizations and conservation groups who co-operate to focus on the most threatened endemic species of the world.

Q Source: Environmental initiatives

20. Correct Answer : C

Answer Justification :

Justification: Conservation Reserves can be declared by **the State Governments in any area owned by the Government**, particularly the areas adjacent to National Parks and Sanctuaries and those areas which link one Protected Area with another.

Such declaration should be made after having consultations with the local communities. Conservation Reserves are declared for the purpose of protecting landscapes, seascapes, flora and fauna and their habitat.

The rights of people living inside a Conservation Reserve are not affected.

Community Reserves can be declared by the State Government in **any private or community land, not comprised within a National Park**, Sanctuary or a Conservation Reserve, where an individual or a community has volunteered to conserve wildlife and its habitat.

Community Reserves are declared for the purpose of protecting fauna, flora and traditional or cultural conservation values and practices. **As in the case of a Conservation Reserve, the rights of people living inside a Community Reserve are not affected.**

Q Source: WII ENVIS website

21. Correct Answer : B

Answer Justification :

Justification: The Ramsar Convention works closely with six other organizations known as International Organisation Partners (IOPs). These are:

1. Birdlife International
2. International Union for Conservation of Nature (IUCN)
3. International Water Management Institute (IWMI)
4. Wetlands International
5. WWF
6. International Wildfowl & Wetlands Trust (WWT).

Other Partners of the convention include: