1. Arrange the following industrial accidents in ascending order (year-wise):  
   (i) Seveso Disaster (Italy)  
   (ii) Bhopal Gas Tragedy (India)  
   (iii) AZF Chemical Plant Explosion (France)  
   (iv) Tianjin Port explosions (China)  
   Select the correct answer:  
   (A) (i)-(ii)-(iii)-(iv)  
   (B) (ii)-(i)-(iv)-(iii)  
   (C) (iii)-(ii)-(iv)-(i)  
   (D) (i)-(iv)-(ii)-(iii)

Answer 71. (A) (i)-(ii)-(iii)-(iv)

Explanation:

* Seveso Disaster occurred in 1976.
* Bhopal Gas Tragedy took place in 1984.
* AZF Chemical Plant Explosion happened in 2001.
* Tianjin Port explosions occurred in 2015.
* Thus, the correct chronological order is Seveso, Bhopal, AZF, Tianjin.

1. Arrange the following National Parks in Assam from west to east:  
   (i) Raimona  
   (ii) Manas  
   (iii) Kaziranga  
   (iv) Dibru-Saikha  
   (A) (i)–(ii)–(iii)–(iv)  
   (B) (ii)–(i)–(iv)–(iii)  
   (C) (iv)–(iii)–(ii)–(i)  
   (D) (i)–(iii)–(ii)–(iv)

Answer 72. (A) (i)–(ii)–(iii)–(iv)

Explanation:

* Raimona National Park lies at the westernmost.
* Manas National Park comes next towards the east.
* Kaziranga National Park is further east.
* Dibru-Saikha National Park is at the eastern end near the border with Arunachal Pradesh.

1. Match List-I with List-II:  
   a. Eutrophication — ?  
   b. Mycorrhiza — ?  
   c. Indicator species — ?  
   d. Lithosphere — ?  
   Options:  
   (A) 1-2-3-4  
   (B) 3-4-1-2  
   (C) 4-3-2-1  
   (D) 2-1-4-3

Answer 73. (A) 1-2-3-4

Explanation:

* Eutrophication refers to nutrient enrichment of water bodies.
* Mycorrhiza is a symbiotic association between fungi and plant roots.
* Indicator species serve as proxies to assess the environmental condition.
* Lithosphere is the outermost solid layer of the earth.

1. According to Assam’s climate assessments, which districts are flood and erosion hotspots?  
   (A) Dibrugarh, Lakhimpur, Dhubri  
   (B) Karbi Anglong, Barpeta, Dima Hasao  
   (C) Baksa, Karimganj, Kokrajhar  
   (D) Kamrup (Metro), Sivasagar, Chirang

Answer 74. (A) Dibrugarh, Lakhimpur, Dhubri

Explanation:

* These districts along the Brahmaputra river are prone to frequent floods and riverbank erosion.

1. The process of using earthworms to decompose organic waste is called:  
   (A) Vermicomposting  
   (B) Vermiremediation  
   (C) Mycoremediation  
   (D) Bioventing

Answer 75. (A) Vermicomposting

Explanation:

* Vermicomposting employs earthworms to convert organic waste into nutrient-rich compost.

1. The cumulative impact of a greenhouse gas on warming over a specified time horizon is:  
   (A) Global carbon budget  
   (B) Radiative forcing  
   (C) Global warming potential  
   (D) Climate sensitivity

Answer 76. (C) Global warming potential

Explanation:

* Global warming potential (GWP) measures how much heat a greenhouse gas traps over a certain period compared to CO2.

1. Which soil layer contains maximum accumulation of clay minerals and iron oxides?  
   (A) A horizon  
   (B) B horizon  
   (C) E horizon  
   (D) R horizon

Answer 77. (B) B horizon

Explanation:

* B horizon is the zone of accumulation where clays and oxides leach from upper layers and concentrate.

1. ‘Gadgil Committee’ report is known as:  
   (i) Western Ghats Ecology Expert Panel (WGEEP)  
   (ii) River Linkage Expert Panel  
   (iii) National Biodiversity Strategy and Action Plan  
   (iv) Forest Rights Act Implementation Report  
   Options:  
   (A) (i) only  
   (B) (ii) only  
   (C) (iii) only  
   (D) (iv) only

Answer 78. (A) (i) only

Explanation:

* The Gadgil Committee was the WGEEP tasked with conserving the ecological balance of the Western Ghats.

1. The institution responsible for managing the External Commercial Borrowings (ECBs) policy is:  
   (A) Ministry of Commerce and Industry  
   (B) Reserve Bank of India  
   (C) Securities and Exchange Board of India  
   (D) Ministry of Finance

Answer 79. (B) Reserve Bank of India

Explanation:

* RBI regulates ECB policy, including setting rules on foreign borrowings by Indian entities.

1. The Multi-dimensional Poverty Index (MPI) comprises:  
   (i) Education  
   (ii) Living standards  
   (iii) Health  
   (iv) Income  
   Options:  
   (A) (i), (ii), (iii)  
   (B) (ii), (iv)  
   (C) (i), (iv)  
   (D) all four

Answer 80. (A) (i), (ii), (iii)

Explanation:

* MPI measures poverty across education, health, and living standards dimensions.
* Income is not directly included in MPI calculation.