

ENVIRONMENT

- In Nitrogen Cycle, soil nitrates are transformed into free nitrogen by:
 - Nitrifying bacteria
 - Denitrifying bacteria**
 - Ammonifying bacteria
 - Both (a) and (c)
- Which among the following is a symbiotic Nitrogen fixing bacterium?
 - Azotobacter
 - Xanthomonas
 - Pseudomonas
 - Rhizobium**
- Which of the following adds/add carbon dioxide to the carbon cycle on the planet Earth?
 - Volcanic action
 - Respiration
 - Photosynthesis
 - Decay of organic matter

Select the correct answer using the code given below.

 - 1 and 3 only
 - 2 only
 - 1, 2 and 4 only**
 - 1, 2, 3 and 4
- Which one of the following is not a gaseous biogeochemical cycle in ecosystem?
 - Nitrogen cycle
 - Carbon cycle
 - Sulphur cycle
 - Phosphorus cycle**
- With reference to ecology, the term denitrification refers to
 - secretion of nitrites by insectivorous plants to attract prey.
 - conversion of nitrates to ammonia or nitrogen by microorganisms.**
 - deficiency of nitrites in plant result into yellowing of leaf.
 - drastic decrease of nitrogen-fixing bacteria in root of leguminous plants.
- In the context of decomposition, nutrient immobilization refers to
 - incorporation of nutrients in living microbes making them temporary unavailable.**
 - enzymatic conversion of decomposing detritus to simpler compounds and inorganic nutrients.
 - removal of soluble nutrients from the fragmented detritus due to leaching action.
 - pulverization of detritus when passing through digestive tracts of detritus feeding invertebrates
- In Nitrogen Cycle, soil nitrates are transformed into free nitrogen by
 - Nitrifying bacteria
 - Denitrifying bacteria
 - Ammonifying bacteria
 - Both a and c
- The process of nitrogen fixation by Bacteria does not take place in the presence of which one of the following?
 - Molecular form of hydrogen
 - Elemental form of oxygen**
 - Water
 - Elemental form of nitrogen
- Which of the following is not a step involved in the water cycle operating in nature?
 - Evaporation
 - Photosynthesis**
 - Transpiration
 - Precipitation
- What the cycling of elements in an ecosystem is called as?
 - Chemical cycle
 - Biogeochemical cycle**

- (c) Geological cycle
- (d) Geochemical cycle

ECONOMICS

11. Consider the following statements:
 1. Hindu rate of growth refers to the rate of growth of Per Capital income.
 2. Dadabhai Naroji estimated National income first of all in India.
 3. The theory of economic drain during British rule was given by Mahatma Gandhi. Select the correct statement from the given codes below:
 - a) 1 only **b) 2 only**
 - c) 1, 2 and 3 d) None of these
12. The term used interchangeably for the 'inclusive growth' is:
 1. Shared Growth
 2. Broad Based Growth
 3. Pro poor growth
 Choose the correct one:
 - a) Only 1 b) Only 1 and 3
 - c) Only 2 **d) All 1, 2 and 3**
13. Consider the following statements
 1. The National Population Register (NPR) is a Register of all permanent residents of India.
 2. It is being prepared under provisions of the Citizenship Act 1955 and the Citizenship Rules, 2003
 3. Registering in NPR is mandatory
 Select the correct answer using the codes given below.
 - a) 1 and 2 only **b) 2 and 3 only**
 - c) 1 and 3 only d) 1, 2 and 3
14. The Gini Coefficient is used to measure what?
 - a) **Inequality of income or health**
 - b) Unemployment rate
 - c) Environmental pollution
 - d) Biodiversity distribution
15. Which of the following explains the term economic growth?
 - a) Increase in per capita production
 - b) Increase in per capita real income
 - c) Structural change in the economy
 - d) All the above are right**
16. Which of the following explains the term economic development?
 - a) Improvement in the technology involved
 - b) Improvement in production\
 - c) Improvement in distribution system
 - d) All the above**
17. Consider the following statements and identify the right ones.
 - i. During independence, Indian economy was heavily dependent on the tertiary sector
 - ii. Development of industrial and services sector was not limited.
 - a) i only b) ii only
 - c) both **d) none**
18. Economic development is characterized by
 - a) Structural change in the economy
 - b) Change in the occupational structure
 - c) Both a and b**
 - d) None of the above
19. Which of the following denotes an underdeveloped economy?
 - a) High level of inequalities
 - b) Low level of capital productivity
 - c) A relatively closed economy
 - d) All the above**

20. Capital formation in underdeveloped countries is a major bottleneck. The reason can be
- Small size of market with no incentive for investment
 - Low level of income
- i only
 - ii only
 - both**
 - none

CURRENT AFFAIRS

21. Consider the following statements

- Plastic waste managed under solid waste management rule 2016 as there is no separate rule for plastic waste in india.
- Construction and demolition waste managed under construction and demolition waste management rule 2016.

Choose the correct statement using the code given below

- 1 only
 - 2 only**
 - Both
 - Neither 1 nor 2
22. 'Eco-Development Force (EDF) scheme' is under which of the following Ministry ?
- Ministry of Home Affairs
 - Ministry of Defence**
 - Ministry of Environment Forest and Climate Change
 - Ministry of Earth Science
23. Which of the following statement/s is/are correct regarding Ujjwala DISCOM Assurance Yojna (UDAY)
- It is a central sector scheme
 - The scheme was announced in the budget 2021-22 for the first time
 - UDAY is a debt restructuring plan for the DISCOMs**
 - All of the above are correct
24. Which of the following nuclear reactor is the first and only reactor in the world designs specially to use U-233 fuel ?
- KAMINI**
 - PASARA
 - DAMINI
 - PUERNIMA
25. 'Operation Sankalp' commenced in which of the following ?
- Arabian Gulf
 - Gulf of Oman
 - Both a and b**
 - Neither a nor b