



# VIDYA ICS

*We Nurture Dreams...*

- 1) Which among the following island of the Andaman and Nicobar islands contains the only known examples of mud volcanoes in India, Called locally as "JALKI"  
 a) Baratang Island                      b) Barren Island  
 c) Car Nicobar                              d) Havelock Island
- 2) Duncan Passage separates :  
 a) Andaman and Nicobar  
 b) Rutland island and Little Andaman  
 c) North and South Andaman  
 d) South Andaman and Little Andaman
- 3) Which among the following is the coastal water body that lies off the southwest coast of India, north of a line extending from the southern point of Sri Lanka to the southernmost of the Maldives Islands, and east of the Maldives?  
 a) Laccadive Sea                              b) Gulf of Mannar  
 c) Palk Strait                                      d) Minicoy
- 4) The channel that separates Lakshadweep Islands and Maliku Atoll is known as which among the following?  
 a) 10 degree Channel  
 b) 9 degree Channel  
 c) Coco Channel  
 d) Kardiva Channel
- 5) India's Only active volcano is located at which among the following places.  
 a) Car Nicobar  
 b) Barren Island  
 c) Maya Bunder  
 d) Lakshadweep
- 6) Which of the following coastal plain is formed by the alluvial deposits of the Sabarmati, Mahi and numerous tiny streams?  
 a) Gujarat Coastal Plain  
 b) West Coastal Plain  
 c) Karnataka Coastal Plain  
 d) East Coastal Plain
- 7) Which of the following coastal plain is located between the Sahyadri and the Arabian Sea?  
 a) Gujarat Coastal Plain  
 b) West Coastal Plain  
 c) Karnataka Coastal Plain  
 d) East Coastal Plain
- 8) Which of the following coastal plain is depicts an inland belt of isolated hills of Archaean gneisses?  
 a) Gujarat Coastal Plain  
 b) West Coastal Plain  
 c) Karnataka Coastal Plain  
 d) East Coastal Plain
- 9) The most famous Marina Beach is located on which of the following coastal plain?  
 a) Gujarat Coastal Plain  
 b) West Coastal Plain  
 c) Karnataka Coastal Plain  
 d) East Coastal Plain
- 10) The 9 degree channel is located on which of the following Islands?  
 a) Arabian Sea Islands  
 b) Bay of Bengal Islands  
 c) Offshore Islands  
 d) None of the above
- 11) The 10 degree channel is located on which of the following Islands?  
 a) Arabian Sea Islands  
 b) Bay of Bengal Islands  
 c) Offshore Islands  
 d) None of the above
- 12) Which of the following is the biggest island in the Andaman group of Islands?  
 A. Middle Andaman  
 B. Ross Island  
 C. Saddle Peak  
 D. Pilomillow Island

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- 13) Which of the following is the biggest island in the Nicobar group of Islands?
- Middle Andaman
  - Ross Island
  - Great Nicobar
  - Pilomillow Island
- 14) Which of the following is the smallest island in the Nicobar group of Islands?
- Middle Andaman
  - Ross Island
  - Great Nicobar
  - Pilomillow island
- 15) The extreme southernmost point of India, i.e., Pygmalion point is location in which of the following Islands?
- Arabian Sea Islands
  - Bay of Bengal Islands
  - Offshore Islands
  - None of the above
- 16) Karbi Anglong Plateau is an extension of which of the following?
- Western plains
  - Peninsular plateau
  - Northern plains
  - None of the above
- 17) Which of the following part of the Himalayas located between Kali and Teesta rivers?
- Nepal Himalayas
  - Kumaon Himalayas
  - Assam Himalayas
  - None of the above
- 18) Which of the following range forms Nepal-India's international border?
- Purnia range
  - Aurangabad range
  - Someshwar range
  - None of the above
- 19) Which of the following is NOT part of the modern version of the Cell Theory?
- Energy flows within cells.
  - Genetic information is passed from one cell to another.
  - Cells arise from non-living matter.
  - The chemical composition of all cells is the same.
- 20) Which structure is responsible for packaging and transporting materials within the cell?
- Lysosome
  - Ribosome
  - Golgi bodies
  - Vacuole
- 21) What is the primary role of ribosomes in a cell?
- Protein synthesis
  - Energy production
  - DNA replication
  - Waste removal
- 22) Which of the following is NOT a feature of the plant cell compared to the animal cell?
- Presence of a cell wall
  - Fixed shape
  - Presence of plastids
  - Smaller vacuoles
- 23) During which type of cell division do cells produce gametes with half the number of chromosomes?
- Mitosis
  - Cytokinesis
  - Binary fission
  - Meiosis
- 24) What is the main function of vacuoles in plant cells?
- Energy production
  - Storage of toxic metabolic wastes
  - Protein synthesis
  - Photosynthesis
- 25) Which of the following statements is true about prokaryotic cells?

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- a) They have a well-defined nucleus.  
 b) They contain more than one chromosome.  
 c) They lack membrane-bound organelles.  
 d) They undergo mitosis for cell division.
- 26) Which of the following is NOT a difference between plant cells and animal cells?  
 a) Plant cells have a fixed shape, while animal cells have an irregular shape.  
 b) Plant cells have plastids, while animal cells do not.  
 c) Plant cells have a nucleus, while animal cells do not.  
 d) Plant cells have a cell wall, while animal cells do not.
- 27) What is the fluid inside the mitochondria called?  
 a) Cytoplasm  
 b) Nucleoplasm  
 c) Matrix  
 d) Stroma
- 28) Which statement is true regarding the cell wall?  
 a) It is found in both plant and animal cells.  
 b) It is freely permeable and provides shape and rigidity to the cell.  
 c) It is a living part of the cell.  
 d) It is composed primarily of phospholipids.
- 29) Who proposed the Five-Kingdom classification system?  
 a) Carolus Linnaeus  
 b) Charles Darwin  
 c) R.H. Whittaker  
 d) Robert Hooke
- 30) Which of the following is the correct sequence of taxonomic levels in the hierarchical classification system?  
 a) Kingdom, Family, Class, Phylum, Order, Genus, Species  
 b) Kingdom, Phylum, Class, Order, Family, Genus, Species  
 c) Species, Genus, Family, Order, Class, Phylum, Kingdom  
 d) Family, Kingdom, Phylum, Order, Class, Genus, Species
- 31) Which kingdom includes organisms that are prokaryotic and lack a true nucleus?  
 a) Protista                      b) Fungi  
 c) Monera                        d) Plantae
- 32) Which kingdom is characterized by organisms that are eukaryotic, multicellular, and autotrophic?  
 a) Monera  
 b) Protista  
 c) Animalia  
 d) Plantae
- 33) Which phylum is known as the "amphibians of the plant kingdom"?  
 a) Thallophyta  
 b) Pteridophyta  
 c) Bryophyta  
 d) Gymnosperms
- 34) Which sub-group of the Plant Kingdom includes flowering plants with seeds enclosed within fruits?  
 a) Thallophyta  
 b) Gymnosperms  
 c) Angiosperms  
 d) Pteridophyta
- 35) Which characteristic is unique to organisms in Kingdom Fungi?  
 a) Multicellular with cell walls made of cellulose  
 b) Autotrophic nutrition  
 c) Saprophytic nutrition and cell walls made of chitin.  
 d) Prokaryotic cells
- 36) Which of the following is a characteristic feature of Phylum Pteridophyta?  
 a) Absence of vascular tissues  
 b) Naked seeds  
 c) Well-differentiated body with vascular tissues, but no seed formation  
 d) Presence of flowers
- 37) Which of the following phyla is known for having organisms with a porous body and lacking well-developed organs?  
 a) Porifera                      b) Arthropoda  
 c) Mollusca                     d) Echinodermata

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- 38) Which class of vertebrates is characterized by having a 3-chambered heart, mucus glands on the skin, and the ability to live both on land and in water?
- Reptilia
  - Amphibia
  - Aves
  - Pisces
- 39) Which phylum is the largest in the animal kingdom and is known for its jointed appendages and segmented body?
- Annelida
  - Arthropoda
  - Mollusca
  - Chordata
- 40) In which phylum do organisms have a spiny skin, radial symmetry, and a calcium carbonate skeleton?
- Mollusca
  - Echinodermata
  - Coelenterata
  - Hemichordata
- 41) Which class of vertebrates is characterized by cold-blooded animals with scales, a 3-chambered heart, and respiration through lungs?
- Pisces
  - Reptilia
  - Amphibia
  - Mammalia
- 42) The concept of "Liquidity Adjustment Facility" (LAF) is associated with:
- Managing the supply of foreign exchange in the market
  - Managing the daily liquidity needs of banks
  - Managing the government's borrowing requirements
  - Managing inflation through changes in tax rates
- 43) Which of the following measures is most effective in controlling inflation in an economy?
- Increasing the Cash Reserve Ratio (CRR)
  - Decreasing the Repo Rate
  - Reducing the Statutory Liquidity Ratio (SLR)
  - Lowering the Bank Rate
- 44) The Phillips Curve shows the relationship between:
- Inflation and unemployment
  - National income and public expenditure
  - Interest rates and investment
  - Money supply and inflation
- 45) Which of the following is a limitation of using GDP as a measure of economic welfare?
- It does not account for the distribution of income.
  - It includes the value of non-market transactions.
  - It measures the total value of goods and services produced.
  - It is adjusted for inflation.
- 46) Which of the following is not included in the calculation of Gross Domestic Product (GDP) at market prices?
- Net exports
  - Government expenditure
  - Transfer payments
  - Private consumption
- 47) Regarding the Inflation Targeting Framework in India, consider the following statements:
- The RBI is mandated to maintain the inflation rate within a band of 2% to 6%.
  - If the inflation rate exceeds the target range for three consecutive quarters, the RBI must provide an explanation to the government.
  - The primary tool used by the RBI to control inflation under this framework is the Statutory Liquidity Ratio (SLR).
- Which of the statements given above is/are correct?
- 1 and 2 only
  - 1 and 3 only
  - 2 only
  - 1, 2, and 3
- 48) Consider the following statements regarding the Fiscal Deficit and Monetary Policy:
- A high fiscal deficit can lead to higher inflation if it is financed by borrowing from the central bank.
  - The RBI can control inflation arising from a fiscal deficit by raising the Repo Rate.
  - Monetizing the fiscal deficit refers to the RBI directly financing the government's deficit by purchasing government bonds.
- Which of the above statements are correct?
- 1 and 2 only
  - 2 and 3 only
  - 1 and 3 only
  - 1, 2, and 3
- 49) Which of the following statements about Gross Domestic Product (GDP) and Gross National Product (GNP) is/are correct?
- GDP measures the total value of goods and services produced within the geographical boundaries of a country in a given period.
  - GNP includes net factor income from abroad, whereas GDP does not.
  - For an open economy, GNP is always greater than GDP.
- Select the correct answer using the code given below:
- 1 and 2 only
  - 1 and 3 only
  - 2 and 3 only
  - 1, 2, and 3



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50) Consider the following statements about the Monetary Policy Committee (MPC) of India:

1. The MPC is responsible for setting the Repo Rate in India.
2. It consists of six members, with the RBI Governor serving as the Chairperson.
3. Decisions of the MPC require a two-thirds majority.
4. The MPC meets once every quarter to review the monetary policy.

Which of the above statements are correct?

- a) 1, 2, and 4 only      b) 1 and 2 only  
c) 2, 3, and 4 only      d) 1, 2, and 3 only

### MAINS QUE.

1. Describe the different mountains and plateaus of peninsular plateau?
2. What do you mean by Deccan trap?  
What is the difference between Peninsular plateau, Deccan plateau and Deccan Lava Plateau?
3. Explain the process and significance of cell division in living organisms.
4. Discuss the characteristics that differentiate the major classes of vertebrates within the phylum Chordata.
5. Discuss the role of the Reserve Bank of India (RBI) in managing monetary policy to achieve economic stability and growth. How does the RBI's monetary policy impact national income and employment levels in India? Illustrate your answer with recent examples.