

1. There is no selling cost under—
 (A) Oligopoly
 (B) Duopoly
 (C) Perfect competition
 (D) Monopolistic competition

2. Which of the following is **not** a function of the Exim Bank of India ?

- (A) Financing of joint ventures in foreign countries
 (B) Loans to Indian parties for contributing to share capital of joint ventures abroad
 (C) Financing of export and import of goods and services
 (D) Inspection of exported goods for quality assurance

3. Which of the following systems in independent India goes against the very basis of democracy ?

- (A) Party system
 (B) Parliamentary system
 (C) Caste system
 (D) Economic system

4. According to Karl Marx, the change in economic system results in inevitable changes in—

- (A) the entire systems
 (B) religious system only
 (C) political system only
 (D) social system only

5. Which one of the following statements is correct ?

- (A) The value of a commodity depends upon its price
 (B) The value of a commodity is entirely dependent upon the substitutes
 (C) A commodity will have value if it is wanted by somebody
 (D) A commodity will have value only if it is scarce relative to demand

6. Which of the following formulae could be used for calculating the per capita income of a country ?

- (A) $\frac{\text{Total income of various industries}}{\text{Total number of industrial workers}}$
 (B) $\frac{\text{Total Government Revenue}}{\text{Total population}}$
 (C) $\frac{\text{Total family income}}{\text{Number of family members}}$
 (D) $\frac{\text{National income}}{\text{Total population}}$

7. For controlling inflation, the Central Bank should—

- (A) purchase Government securities in the open market
 (B) lower the reserve ratio of the banks
 (C) sell Government securities in the open market
 (D) lower the bank rate

8. Match the medieval travellers with their countries :

List-I

- (a) Marco Polo
 (b) Ibn Battuta
 (c) Antonio Monserrate
 (d) Mahmud Wali Balkhi

List-II

1. Spain 2. Balkh
 3. Italy 4. Morocco

Codes :

- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | 3 | 4 | 1 | 2 |
| (B) | 1 | 3 | 2 | 4 |
| (C) | 4 | 3 | 1 | 2 |
| (D) | 3 | 1 | 4 | 2 |

9. Rana Kumbha constructed the Tower of Victory at Chittor to mark his victory over—

- (A) The Khan of Nagaur
 (B) Rao Jodha of Marwar
 (C) Ahmad Shah of Gujarat
 (D) Mahmud Khalji of Malwa

10. Match the following :

List-I

- (a) Sarojini Naidu
 (b) M.A. Jinnah

- (c) Sir Tej Bahadur Sapru
 (d) V.D. Savarkar

List-II

1. Muslim League
 2. Indian National Congress
 3. Hindu Mahasabha
 4. Liberal Party

Codes :

- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | 2 | 4 | 1 | 3 |
| (B) | 4 | 1 | 3 | 2 |
| (C) | 2 | 1 | 4 | 3 |
| (D) | 2 | 1 | 3 | 4 |

11. The Social Forestry Scheme was introduced during—

- (A) Second Five Year Plan
 (B) Sixth Five Year Plan
 (C) Fourth Five Year Plan
 (D) Eighth Five Year Plan

12. The model code of conduct for political parties and candidates to be followed during the elections is—

- (A) enjoined by the Supreme Court
 (B) agreed through a voluntary agreement among the recognised political parties
 (C) laid down in the Constitution of India
 (D) specified in The Representation of the People Act, 1951

13. A citizen can directly move the Supreme Court for any violation of Fundamental Rights under—

- (A) Article 33 (B) Article 34
 (C) Article 31 (D) Article 32

14. Which one of the following sitting Vice-Presidents of India contested for the post of President and lost the election ?

- (A) S. Radhakrishnan
 (B) V.V. Giri
 (C) Bhairon Singh Shekhawat
 (D) Both (B) and (C)

15. The French challenges to British in India came to an end with—
 (A) Battle of Plassey
 (B) Battle of Buxar
 (C) Battle of Wandiwash
 (D) Battle of Srirangapatnam
16. Identify the medical trio of ancient India from the following names—
 (A) Charaka, Susruta and Bharata
 (B) Charaka, Susruta and Patanjali
 (C) Charaka, Susruta and Vagbhata
 (D) Charaka, Vatsyayana and Vagbhata
17. Vegetation is effective in absorbing—
 (A) High frequency sound
 (B) Pollutant metals
 (C) Pollutant gases
 (D) Polluted water
18. When a person cries, there is a watery discharge from the nose due to activation of—
 (A) Thyroid gland
 (B) Endocrine gland
 (C) Salivary gland
 (D) Lachrymal gland
19. The fundamental role of root hairs in plants is—
 (A) to absorb water and mineral salts from the soil
 (B) to bind soil particles to the root for firm fixation of the plant
 (C) to protect the young root from damage by coarse soil particles
 (D) to protect the root from soil microbes
20. Catch crops are—
 (A) crops to be cut and fed green to the cattle
 (B) substitute crops planted after the regular crop has failed
 (C) crops planted to attract certain insect pests to be destroyed
 (D) crops planted to attract certain useful insects to be used for biological control of pests
21. Which one of the following acts as a mediator between the user's program and the hardware?
 (A) Operating System
 (B) Browser
 (C) Compiler
 (D) Editor
22. The project similar to T.V.A. (Tennessee Valley Authority) of U.S.A. in India is—
 (A) Ramganga Multipurpose Project
 (B) Idukki Project
 (C) Damodar Valley Project
 (D) Mahanadi Delta Project
23. Petrology is the study of—
 (A) earth (B) minerals
 (C) rocks (D) soils
24. Match the following :
List-I
 (a) Rosewood
 (b) Bushes
 (c) Birch
 (d) Sundari tree
List-II
 1. Mangrove forests
 2. Alpine forests
 3. Deciduous forests
 4. Dry forests
Codes :
- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | 1 | 2 | 3 | 4 |
| (B) | 2 | 3 | 4 | 1 |
| (C) | 4 | 3 | 2 | 1 |
| (D) | 3 | 4 | 2 | 1 |
25. During the period of South-West monsoon, Tamil Nadu remains dry because—
 (A) it lies in the rain-shadow area
 (B) the temperature is too high to let the winds cool down
 (C) the winds do not reach this area
 (D) there are no mountains in this area
26. The red colour of ripe tomatoes is due to the presence of—
 (A) Chlorophyll
 (B) Carotenoids
 (C) Hormones
 (D) Vitamins
27. Anticoagulants are **not** present in—
 (A) Leech (B) Wasp
 (C) Mosquito (D) Bed bug
28. To eliminate the glare of headlights in motor cars—
 (A) thin films are used
 (B) filters are used
 (C) polaroids are used
 (D) glass prisms are used
29. The substances which have infinite electrical resistance are called—
 (A) conductors
 (B) resistors
 (C) insulators
 (D) condensers
30. The headquarters of International Atomic Energy Agency is located at—
 (A) Vienna (B) Sydney
 (C) Geneva (D) Washington
31. If you use a font that is **not** supported by a browser, then the text—
 (A) will be displayed using 'ARIAL' font only
 (B) will be displayed with a particular background
 (C) will be displayed in the default font
 (D) will not be displayed
32. The pigment that protects plants from UV damage is—
 (A) Phycocyanin
 (B) Carotenoids
 (C) Chlorophyll
 (D) Xanthophyll
33. United Nations Conference on Environment and Development is called—
 (A) Air Summit
 (B) Resource Summit
 (C) Earth Summit
 (D) Water Summit
34. A bioenergy source obtained by fermentation to supplement fossil fuel petrol is—
 (A) Diesel (B) Methane
 (C) Kerosene (D) Ethanol
35. The substance that causes the worst air pollution is—
 (A) Carbon dioxide
 (B) Carbon monoxide
 (C) Smoke
 (D) Sulphur dioxide

36. A liquid is said to boil when its—
 (A) vapour pressure is greater than the surrounding pressure
 (B) vapour pressure is less than the surrounding pressure
 (C) vapour pressure equals the surrounding pressure
 (D) vapour pressure vanishes to zero
37. Which is **not** correct regarding covalent compounds ?
 (A) Compounds are usually liquids and gases
 (B) Boiling points and melting points are low
 (C) The reaction is slow
 (D) The reaction is fast
38. Choose the correct statement—
 (A) Mixtures are homogeneous
 (B) In a mixture the components are present in a fixed ratio
 (C) The components of a mixture cannot be separated
 (D) Chemical properties of a mixture are the same as those of its components
39. PVC is obtained from—
 (A) Styrene
 (B) Acetylene
 (C) Propene
 (D) Polyvinyl Chloride
40. What is the name of the first research station established by India in the Antarctica ?
 (A) Agnihotri
 (B) Aryabhatta
 (C) Dakshin Gangotri
 (D) Maitri
41. Who among the following was awarded Padma Vibhushan in 2011 for his exceptional and distinguished service in the field of trade and industry ?
 (A) S. Gopalakrishnan
 (B) Mecca Rafaeque Ahmed
 (C) Azim Premji
 (D) Ratan Tata
42. The five permanent members of the U.N. Security Council are—
 (A) China, Germany, Russia, U.K. and U.S.A.
 (B) China, Germany, U.S.A., U.K. and Canada
 (C) China, France, Russia, U.K. and U.S.A.
 (D) China, Canada, France, U.S.A. and Germany
43. Which of the following is **not** correctly paired ?
 (A) Harbhajan Singh —Kabaddi
 (B) Saina Nehwal —Badminton
 (C) Jwala Gutta —Tennis
 (D) Virat Kohli —Cricket
44. Which of the following States has the largest gap in male and female literacy as per 2011 Census (provisional data) ?
 (A) Rajasthan
 (B) Kerala
 (C) Uttar Pradesh
 (D) Madhya Pradesh
45. Stainless steel is an alloy of—
 (A) iron, carbon and zinc
 (B) iron, zinc and manganese
 (C) iron, chromium and nickel
 (D) iron, chromium and carbon
46. Enriched uranium used in a nuclear reactor is—
 (A) uranium alloyed with aluminium
 (B) uranium with a high percentage of a particular isotope
 (C) uranium free of all impurities
 (D) ^{235}U
47. In a refrigerator, cooling is produced by—
 (A) the sudden expansion of a compressed gas
 (B) the evaporation of a volatile liquid
 (C) the ice which deposites in the freezer
 (D) None of these
48. The first woman to conquer Mount Everest twice is—
 (A) Santosh Yadav
 (B) Suma Shirur
 (C) Surja Lata Devi
 (D) Jyoti Randhawa
49. Which one of the following iron and steel works in India is **not** under public sector ?
 (A) Bhilai (B) Durgapur
 (C) Bokaro (D) Jamshedpur
50. Which Indian hockey player has a road named after him in Germany ?
 (A) Roop Singh
 (B) Dhanraj Pillai
 (C) Dhyan Chand
 (D) Zafar Iqbal