

IAS Prelims General Studies Paper 2001 (Part 6 of 10)

1. Consider the following statements:

- a. Arya Samaj was founded in 1835.
- b. Lala Lajpat Rai opposed the appeal of Arya Samaj to the authority of Vedas in support of its social reform programmes.
- c. Under Keshab Chandra Sen, the Brahmo Samaj campaigned for womens education
- d. Vinoba Bhave founded the Sarvodaya

Samaj to work among refugees

Which of these statements are correct?

- a. 1 and 2
- b. 2 and 3
- c. 2 and 4
- d. 3 and 4

2. An aqueous solution of copper sulphate is acidic in nature because the salt undergoes

- a. dialysis
- b. electrolysis
- c. hydrolysis
- d. photolysis

3. Consider the following taxes:

- a. Corporation tax
- b. Customs duty
- c. Wealth Tax
- d. Excise duty

Which of these is/are indirect taxes?

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- a. 1 only
- b. 2 and 4
- c. 1 and 3
- d. 2 and 3

4. The Mongols under Genghis Khan invaded India during the reign of

- a. Balban
- b. Feroz Tughlaq
- c. Iltutmish
- d. Muhammad bin Tughlaq

5. Consider the following statements: A simple pendulum is set into oscillation. Then

- a. the acceleration is zero when the bob passes through the mean position
- b. in each cycle the bob attains a given velocity twice
- c. both acceleration and velocity of the bob are zero when it reaches its extreme position during its oscillation
- d. the amplitude of oscillation of the simple pendulum decreases with time

Which of these statements are correct?

- a. 1 and 2
- b. 3 and 4
- c. 1, 2 and 4
- d. 2, 3 and 4

6. Anand must be a vegetarian because he is a Buddhist. The argument assumes that

- a. most Buddhists are vegetarians
- b. all Buddhists are vegetarians
- c. Only Buddhists are vegetarians
- d. Most vegetarians are Buddhists

7. The high density of population in Nile Valley and Island of Java is primarily due to

- a. intensive agriculture

- b. industrialization
- c. urbanization
- d. topographic constraints

8. The largest share of Foreign Direct Investment (1997 – 2000) went to

- a. Food and food-product sector
- b. Engineering sector
- c. Electronics and electric equipment sector
- d. Services sector

9. Which one of the following duties is NOT performed by the Comptroller and Auditor General of India?

- a. To audit and report on all expenditure from the Consolidated Fund of India
- b. To audit and report on all expenditure from the Contingency Funds and Public Accounts
- c. To audit and report on all trading, manufacturing, profit and loss accounts
- d. To control the receipt and issue of public money, and to ensure that the public revenue is lodged in the exchequer

10. Consider the following statements with reference to the Periodic Table of chemical elements:

- a. Ionisation potential gradually decreases along a period
- b. In a group of elements, electron affinity decreases as the atomic weight increases
- c. In a given period, electronegativity decreases as the atomic number increases.

Which of these statement (s) is/are correct?

- a. 1 only
- b. 2 only
- c. 1 and 3
- d. 2 and 3

11. Match List I with List II and select the correct answer using the codes given below the Lists:

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List-I

- a. Ptyalin
- b. Pepsin
- c. Renin
- d. Oxytocin

List-II

- a. Converts Angiotensinogen in Blood into angiotensin
- b. Digests starch
- c. Digests proteins
- d. Hydrolyses fats
- e. Induces contraction of smooth muscles

 A B C D

- a. 2 3 1 5
- b. 3 4 2 5
- c. 2 3 5 1
- d. 3 1 2 4

12. Which one of the following pairs is correctly matched?

- a. Harappan Civilization—Painted Grey Ware
- b. The Kushans—Gandhara School of Art
- c. The Mughals—Ajantha Paintings
- d. The Marathas—Painting Pahari School

13. A radioactive substance has a half-life of four months. Three-fourth of the substance would decay in

- a. 3 months
- b. 4 months
- c. 8 months
- d. 12 months

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14. The following table shows the percentage change in the consumption of electricity by five towns P, Q, R, S, T from 1986 to 1988:

- Per cent change
- Town From 1986 to 1987
- From 1987 to 1988
- P + 8 – 18
- Q – 15 + 11
- R + 6 + 9
- S – 7 – 5
- T + 13 – 6

If town T consumed 500, 000 units in 1986, how much did it consume in 1988?

- a. 371, 000 units
- b. 531, 000 units
- c. 551, 100 units
- d. 571, 100 units

15. Consider the following statements made about the sedimentary rocks:

- a. Sedimentary rocks are formed at earths surface by the hydrological system
- b. The formation of sedimentary rocks involves the weathering of pre-existing rocks.
- c. Sedimentary rocks contain fossils
- d. Sedimentary rocks typically occur in layers

Which of these statements are correct?

- a. 1 and 2
- b. 1 and 4
- c. 2, 3 and 4
- d. 1, 2, 3 and 4

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