

1. Consider the following about Hominids
 1. The earliest hominid fossils belong to the genus *Australopithecus*
 2. They have been found in East Africa
 3. They have a smaller brain than Hominoids
 4. They have an upright posture and bipedal locomotion
 Which is/are CORRECT?

A. 1 Only B. 2 & 3 Only C. 3 Only D. 1, 2 & 4

2. Consider the following about Mesopotamia
 1. A Land between the Euphrates and the Tigris rivers
 2. Mesopotamian Gilgamesh epic stands as the oldest piece of epic in western literature
 3. Uruk was one of the most important cities of Mesopotamia
 4. In Mesopotamian society the nuclear family was the norm
 Which is/are CORRECT?

A. 1, 2 & 3 Only B. 1 & 3 Only C. 2 & 4 Only D. All the above

3. An empire could be maintained by pastoral people for a long time and with success. This was established by

A. Alexander B. Genghis Khan C. Constantine D. Julius Caesar

4. A peptide hormone called Atrial Natriuretic Factor (ANF) is important for

A. Stimulation of secretion of water B. Stimulation of formation of RBC

C. Decreasing blood pressure D. Growth of tissues

5. Consider the following
 1. The central neural system (CNS) includes the brain and the spinal cord and is the site of information processing and control
 2. The afferent nerve fibres transmit regulatory impulses from the CNS to the concerned peripheral tissues/organs
 Which is/are CORRECT?

A. 1 Only B. 2 Only C. 1 & 2 D. None of the above

6. Consider the following about Structure/parts of a neuron
 1. Nissl's granules 2. Henle's loop
 3. Nodes of Ranvier 4. Schwann cells
 Which is/are INCORRECT?

A. 1 & 4 Only B. 2 Only C. 2 & 3 Only D. 1, 3 & 4

7. The earliest universities in Europe had been set up in

A. Italian towns B. French towns C. English towns D. German towns

8. In the composition of cells, which one is higher in percentage of the total cellular mass

A. Lipids B. Carbohydrates C. Proteins D. Nucleic acids

9. Match

1. Indian Botanical Garden	a- Howrah
2. National Botanical Research Institute	b- Lucknow
3. Ovules	c- Fruits
4. Ovary	d- Seeds

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

10. Consider the following about Bacteria

1. Structure is very complex; but they are very simple in behaviour
2. They live in extreme habitats such as hot springs, deserts, snow and deep oceans
3. Many of them live in or on other organisms as parasites
4. They are the most abundant micro-organisms

Which is/are CORRECT?

- A. 1 Only B. 2 Only C. 2, 3 & 4 Only D. 1, 3 & 4

11. The thickness of windowpanes of old buildings becomes thicker at the bottom than at the top. This shows

- A. Glass is an extremely viscous solid B. Glass is an extremely viscous liquid
C. Glass is a supercooled gas D. None of the above

12. Which element in percentage weight highest in human body

- A. Oxygen B. Carbon C. Nitrogen D. Hydrogen

13. Match

- | | |
|-----------------------------|---------------------------------|
| 1. The Pineal Gland | a- Sleep-wake cycle |
| 2. Thyroid Gland | b- Intelligence quotient |
| 3. Parathyroid Gland | c- Calcium balance |
| 4. Adrenal Gland | d- Sweating |

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

14. Consider the following sources of business finance

1. Retained earnings
2. Debentures
3. Commercial Papers
4. Equity shares

Which is not provided by the owners of an enterprise?

- A. 1, 3 & 4 only B. 2 & 3 Only C. 1 & 3 Only D. 2 Only

15. Consider the following statements about Joint Hindu family business

1. This form of business organization found only in India and Nepal
2. It is governed by the Hindu Law and only for Hindu
3. The basis of membership in the business is birth in a particular family
4. Three successive generations can be members in the business

Which is/are CORRECT?

- A. 1 only B. 1 & 2 Only C. 1, 3 & 4 Only D. 2, 3 & 4

16. Consider the following statements about Limited Liability Partnership

1. In limited partnership, the liability of at least one partner is unlimited whereas the rest may have limited liability

- 2. Registration of such partnership is compulsory
- 3. Partnership get terminated with the death, lunacy or insolvency of the limited partners
- 4. LLP contains elements of both a corporate structure as well as a partnership firm

Which is/are INCORRECT?

- A. 3 only
- B. 1, 2 & 4 Only
- C. 3 & 4 Only
- D. None of the above

17. Consider the following statements about Certificate of Origin

- 1. Acts as a proof from where the export is taking place
- 2. Schemes like Generalised System of Preferences has dispensation with Certificate of origin
- 3. This certificate can be obtained from the trade consulate located in the exporter's country

Which is/are INCORRECT?

- A. All the above
- B. 1 & 2 Only
- C. 2 Only
- D. None of the above

18. Consider the following sources of business finance

- 1. Debentures
- 2. Equity Shares
- 3. Commercial Papers
- 4. Preference Shares

Which is/are Short-term funds?

- A. All the above
- B. 3 Only
- C. 1 & 3 Only
- D. None of the above

19. Match

- 1. Taxol a- Cancer therapy
- 2. Azidothymidine b- Alternatives to CFCs
- 3. Cisplatin c- Drug used to delay development of AIDS
- 4. HFC blend d- Chemotherapy Drug

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

20. Hydrogen as a fuel

- 1. Can release more energy than petrol i.e. about three times
- 2. Pollutants in combustion of hydrogen will be less than petrol
- 3. The only pollutant will be the oxides of nitrogen and that is due to the presence of nitrogen as impurity with hydrogen
- 4. A cylinder of compressed hydrogen weighs about 30 times as less as a tank of petrol containing the same amount of energy

Which is/are Not Correct?

- A. All the above
- B. 3 & 4 Only
- C. 4 Only
- D. 1, 2, & 3

21. Match

- 1. Lithium a- soft soap
- 2. Sodium b- photoelectric cells
- 3. Potassium c- electrochemical cells
- 4. Caesium d- coolant

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

22. A typical 70 kg man contains about

- | | |
|--------------|-----------|
| 1. Potassium | a- 170 g |
| 2. Sodium | b- 90 g |
| 3 Iron | c-0.5 g |
| 4. Copper | d- 0.06 g |

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

23. Consider the following statements

1. The introduction of universal suffrage had created huge debate with the members of the Constituent Assembly of India
2. First past the post, institution of the Speaker and his role, lawmaking procedure are the three provisions borrowed from the British Constitution
3. Unlike the constitutional symmetry of American federalism, Indian federalism has been constitutionally asymmetric

Which is/are Correct?

- A. 1 Only B. 2 & 3 Only C. 1 & 2 Only D. 1, 2 & 3

24. Our Constitution has given institutional expression to which of the following fundamental commitments

1. Equality and Liberty
2. Democracy and Sovereignty
3. Cosmopolitan Identity

- A. 1 Only B. 1 & 2 Only C. 3 Only D. All the above

25. Which of the following is a good reason to conclude that the authority of the constitution is higher than that of the parliament?

1. The constitution was framed before the parliament came into being
2. The constitution makers were more eminent leaders than the members of the parliament
3. The constitution specifies how parliament is to be formed and what are its powers
4. The constitution cannot be amended by the parliament

- A. 1 Only B. 2 & 3 Only C. 3 Only D. All the above

26. What do the Directive Principles of the Constitution of India contain?

1. The goals and objectives that we as a society should adopt
2. Certain rights that individuals should enjoy apart from the Fundamental Rights
3. Certain policies that the government should adopt

- A. 1 & 2 Only B. 1 & 3 Only C. 3 Only D. All the above

27. Consider the following statements about Nuclear-weapons-free zones

1. The use, development or deployment of nuclear weapons is banned through an internationally recognized treaty in several zones
2. Antarctic, Latin America and the Caribbean, Middle-East Asia, Africa, South Pacific, and Mongolia are these zones

Which is/are INCORRECT?

- A. 1 Only B. 2 Only C. 1 & 2 D. None of the above

28. Diastrophism includes

1. Orogenic processes
2. Epeirogenic processes

3. Denudational processes 4. Plate tectonics processes
 A. 1, 2 & 3 Only B. 2 & 4 Only C. 1, 2 & 4 Only D. All of the above

29. Consider the following statements about structure of atmosphere

1. Thickness of the troposphere is greatest at the equator than poles
2. In Mesosphere, like Troposphere temperature starts increasing with the increase in altitude
3. Radio waves transmitted from the earth are reflected back to the earth by ionosphere
4. Hygroscopic particles are limited to stratosphere

Which is/are CORRECT?

- A. 1 & 2 Only B. 2 & 4 Only C. 3 & 4 Only D. 1 & 3 Only

30. The following are the factors that cause the variations in insolation

1. The rotation of earth on its axis
2. The transparency of the atmosphere
3. The revolution of earth on its orbit
4. The configuration of land in terms of its aspect

Which has/have less influence?

- A. 2 Only B. 2 & 4 Only C. 4 Only D. 1 & 3 Only

31. Agriculture during British India

1. Agricultural productivity became incrementally low
2. Sector experienced some growth
3. Some evidence of a relatively higher yield of cash crops in certain areas of the country

Which is/are TRUE?

- A. 1 Only B. 1 & 3 Only C. 3 Only D. 1, 2 & 3

32. Which is/are TRUE about Socialist society?

1. Government decides what goods are to be produced in accordance with the needs of society
2. Government decides how goods are to be produced and how they should be distributed
3. If labour is cheaper than capital more labour-intensive methods of production will be used and vice-versa

- A. 1 Only B. 1 & 2 Only C. 3 Only D. 1, 2 & 3

33. India agreed to the conditionalities of whom and announced the New Economic Policy

- A. IBRD B. IMF C. IMF & UN D. A & B

34. In pre-independent India, who was the first to discuss the concept of a Poverty Line

- A. William Digby B. V.K.R.V. Rao
 C. Dadabhai Naoroji D. Findlay Shirras

35. Tapas Majumdar Committee

- A. Estimated health expenditure for rural areas
- B. Estimated higher level educational expenditure
- C. Estimated health expenditure for urban areas
- D. Estimated primary level educational expenditure

36. Consider the following statements

1. The chapters on Election, Executive and Judiciary have provisions that require special majority in Parliament
2. The voting in favour of the constitutional amendment bill should constitute two-thirds of that House
3. The supporters of the constitutional amendment bill must constitute at least half of the total strength of those who actually take part in voting

Which is/are Correct?

- A. All the above B. 1 Only C. 2 & 3 Only D. None of the above

37. A: More amendments took place between a short span of three years between 1974 and 1976 and again from 2001 to 2003 in India

R: In the political history of country, these two periods are remarkably dissimilar in the parties' representation in Parliament

- A. A & R are correct; R is correct explanation for A
 B. A & R are correct; But, R is not-correct explanation for A
 C. A is Correct; But not R
 D. R is Correct; But not A

38. Match [Nature of Amendment- Number]

- | | |
|--------------------------------|--|
| 1. Technical or administrative | a- 52 nd amendment [Anti-Defection] |
| 2. Explanation | b - 25 th amendment [Property Rights] |
| 3. Differing Interpretations | c- 42 nd amendment [Advice of the Council of Ministers] |
| 4. Political Consensus | d- 95 th amendment [Reservation of seats] |

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

39. P.K.Thungon Committee

- A. Rejected constitutional recognition for the local government bodies
 B. Recommended constitutional recognition for the local government bodies
 C. Recommended constitutional recognition for the boundaries of states
 D. Rejected constitutional recognition for the boundaries of states

40. Match [Subject - List]

- | | |
|----------------------------|---------------|
| 1. Adulteration | a- Union |
| 2. Cyber Laws | b- Concurrent |
| 3. Liquor | c- State |
| 4. Adoption and Succession | d- Concurrent |

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

41. Nebular Hypothesis

1. This Popular argument was by German philosopher Immanuel Kant
2. Hypothesis considered that the planets were formed out of a cloud of material through the process of accretion
3. Hypothesis is associated with a youthful sun which was quickly rotating
4. It considered of a companion to the sun to have been coexisting

Which is/are CORRECT?

- A. All the above B. 1 & 2 Only C. 3 & 4 Only D. None of the above

42. Consider the following statements

1. The mean thickness of oceanic crust is lesser than that of the continental crust
2. Asthenosphere, the lower portion of the mantle, is the main source of magma that finds its way to the surface during volcanic eruptions
3. The density of material at the mantle core boundary is getting increased towards the centre of the earth
4. There is a system of mid-ocean ridges more than 70,000 km long experiences frequent volcanic eruptions

Which is/are INCORRECT?

- A. 1 & 3 Only B. 2 Only C. 2 & 4 Only D. 1, 3 & 4 Only

43. Evidences in Support of the Continental Drift

1. Identical species of human fossils in both sides of North Atlantic
2. The belt of ancient rocks of 2,000 million years from Brazil coast matches with those from western Africa
3. Tillite found in different landmasses of the Southern Hemisphere
4. Identical species of plants and animals observed on India, Madagascar and Africa

Which is/are INCORRECT?

- A. 1 & 3 Only B. 3 Only C. 1 Only D. 2, 3 & 4 Only

44. Match

- | | |
|--------------------------|---------------------|
| 1. Pegmatite | a– Metamorphic Rock |
| 2. Geyserite | b– Igneous Rock |
| 3. Marble | c– Sedimentary Rock |
| 4. Solidified from magma | |

- | | | | | |
|----|---|---|---|---|
| | 1 | 2 | 3 | 4 |
| A. | a | b | c | b |
| B. | b | a | a | c |
| C. | c | b | a | b |
| D. | b | c | a | b |

45. In order to address which major environmental concern/s in India the government was set up the Central Pollution Control Board (CPCB)

- A. Water pollution B. Air pollution C. Both A & B D. Climate Change

46. Assertion (A): A major change occurred after 1969 when India adopted social banking and multiagency approach to adequately meet the needs of rural credit

Reason (R): National Bank for Agriculture and Rural Development (NBARD) was set up in 1969 as an apex body to coordinate the activities of all institutions involved in the rural financing system

- A. A & R are correct; R is correct explanation for A
- B. A & R are correct; But, R is not-correct explanation for A
- C. A is Correct; But not R
- D. R is Correct; But not A

47. Which country initiated The Great Leap Forward (GLF) campaign in 1958 aimed at industrializing the country on a massive scale

- A. Russia B. USA C. China D. Japan

48. The machines, such as steam engine and the automobile engine, etc., that produce rotational motion have a disc called a flywheel
- A. It is used to sudden increase in speed B. It is used to sudden decrease in speed
C. Resists the sudden increase or decrease of the speed D. Both A & B
49. Conservation of angular momentum example/s
1. Dancers performing a pirouette on the toes of one foot
 2. A girl sits on a swivel chair and stretches her arms/ brings her arms closer to the body to change speed
 3. A circus acrobat
- A. 1 & 3 Only B. 3 Only C. 2 Only D. 1, 2 & 3
50. Planets appear to move slower when they are farther from the sun than when they are nearer. This observation is from
- A. Law of orbits – Kepler I Law B. Law of areas - Kepler II Law
C. Law of periods - Kepler III Law D. None of the above
51. Which place is nearest to Kolkata
- A. Gangtok B. Agartala C. Shillong D. Aizwal
52. Arrange the passes from South to North:
1. Zoji la
 2. Lipulek la
 3. Shipki la
 4. Bara Lacha la
- A. 1234 B. 4321 C. 2341 D. 2134
53. Match- Which is/are INCORRECT?
1. The Chambal - Malwa plateau
 2. Godavari - Brahmagiri hills
 3. Krishna - Mahabaleshwar
 4. Vaitarna - Trimbak hills
- A. 1 & 3 Only B. 3 Only C. 2 Only D. 1, 3 & 4 Only
54. Which is/are INCORRECT about Indian Monsoon?
1. Trade winds of the southern hemisphere cross the equator between 40° and 60°E longitudes and start blowing from southwest as South West monsoon
 2. Easterly jet stream is held responsible for the burst of the North-East monsoon in India
 3. By mid-August southwest monsoon engulfs the entire India
- A. 1, 2 & 3 B. 1 Only C. 1 & 2 Only D. 2 & 3 Only
55. Which is/are CORRECT about India's natural vegetation?
1. The temperate forests are called *Sholas* in the Anaimalai and Palani hills
 2. Deodar a highly valued endemic species grows mainly in the western part of the Himalayan range
 3. Parkland landscape is a feature of tropical evergreen forest areas in India
- A. 1 & 3 Only B. 3 Only C. 1 & 2 Only D. 2 & 3 Only
56. Consider the following about Soils of India
1. Red laterite soils are more suitable for tree crops like cashew nut
 2. The Black soils are rich in lime, iron, magnesia and alumina
 3. Peaty soils at many places are alkaline in nature
- Which is/are CORRECT?
- A. 1, 2 & 3 B. 1 Only C. 1 & 2 Only D. 2 & 3 Only

57. Which is/are CORRECT?

1. The metric system which has originated in France in late eighteenth century
2. General Conference on Weights and Measures is an inter governmental treaty organization created by a diplomatic treaty known as Meter Convention which was signed in Paris in 1875
3. National Physical Laboratory establishes experiments to realize the base units and derived units of measurement and maintains National Standards of Measurement in India
4. International Bureau of Standards in Paris the intergovernmental organization through which Member States act together on matters related to measurement science and measurement standards

A. 1, 2 & 3 Only B. 1, 3 & 4 Only C. 2, 3 & 4 Only D. 1, 2, 3 & 4

58. Marie Sklodowska Curie discovery was related to

- A. Ultra short radio waves B. Natural radioactivity
C. Wave theory of light D. Laws of electromagnetic induction

59. Magnetic confinement of plasma principle is used in

- A. Bose-Einstein condensate B. Giant Metrewave Radio Telescope
C. Fusion test reactor D. Particle accelerators

60. Abdus Salam well known scientist of Pakistan had contributed for

- A. Cascade process of cosmic radiation B. Structure and evolution of stars
C. Quantum statistics D. Weak nuclear force

61. Which is/are CORRECT?

1. For the same weight, rolling friction is much greater in magnitude than static or sliding friction
2. Brakes in machines and automobiles are based on friction which is important for quickly stopping relative motion

A. 1 Only B. 2 Only C. 1 & 2 D. None

62. The amount of final mass is less than the initial mass in which of the following

- A. In fission B. In fusion
C. Sometimes in fusion and sometimes in fission D. Both in fission and fusion

63. 'Freedom is an ideal which may appear Utopian to hard-headed men and women, but this ideal alone can appease the hunger in the soul'- by

- A. Netaji S. C. Bose B. Mahatma Gandhi C. B. G. Tilak D. Nelson Mandela

64. Consider the following statements about Liberalism

1. Promotes free market
2. Agree to measures to reduce both social and economic inequalities
3. Family, society & community have no value in themselves
4. Trusted political authority

Which is/are CORRECT?

A. 2, 3 & 4 Only B. 1, 2 & 3 Only C. 4 Only D. 1 & 3 Only

65. Consider the following statements

1. Scheduled Tribes are better in higher education than Muslims in urban India
2. Scheduled Tribes are better in higher education than Scheduled Castes in urban India
3. Muslims are better in higher education than Scheduled Castes in urban India

Which are CORRECT?

- A. 1 & 2 Only B. 2 & 3 Only C. 1 & 3 Only D. All of the above

66. Correct chronology of economic reforms started in the following countries[earlier to recent]

- A. China-Pakistan-India B. China- India- Pakistan
C. India - China - Pakistan D. Pakistan- China- India

67. The General Assembly of the United Nations adopted and proclaimed the Universal Declaration of Human Rights on

- A. 26 Dec 1950 B. 26 Jan 1950 C. 10 Dec 1948 D. 10 Jan 1950

68. Which is/are Correct?

1. Palaeolithic age in India is divided into three phases based on tools
2. Attirampakkam is an important lower palaeolithic site
3. In lower Palaeolithic phase tools were made on flakes

Which is/are CORRECT?

- A. 2 Only B. 2 & 3 Only C. 1 & 2 Only D. 1 & 3 Only

69. The Peninsula of India

1. Formed essentially by a great complex of very ancient gneisses and granites
2. Standing like a rigid block with the exception of some of its eastern coast which is submerged beneath the sea
3. Mostly consists of relict and residual mountains

Which is/are CORRECT?

- A. 2 Only B. 2 & 3 Only C. 1 & 2 Only D. 1 & 3 Only

70. The Neolithic age earliest evidence for the domesticated variety of Rice found in

- A. Burzahom B. Chirand C. Koldihwa D. Gufkral

71. Match - Which are CORRECT?

1. Brahmanas - prose commentaries attached to the Vedas
2. Aranyakas – expositions of the Vedas
3. Upanishads - concluding portions of the Vedas

- A. All the above B. 1 Only C. 2 Only D. None of the above

72. Charvaka system

1. Accepted the authority of the sacred scriptures the Vedas
2. Believes in soul, god and other life beyond the present one
3. Rejected Materialism

Which is/are Correct?

- A. All the above B. 1 & 2 Only C. 3 Only D. None of the above

73. Which is/are Correct?

1. Jains did not deny the existence of God, they simply ignored
2. The world for Jains is not created, maintained or destroyed by a God but functions through a universal or eternal law
3. Nirvana is a stage where soul has finally set itself free, rises at once to the top of the universe, above the highest heaven, where it remains in an inactive omniscient bliss

- A. All the above B. 1 & 2 Only C. 3 Only D. 2 & 3 Only

74. Which one of the Mahajanapadas between the rivers Narmada and Godavari

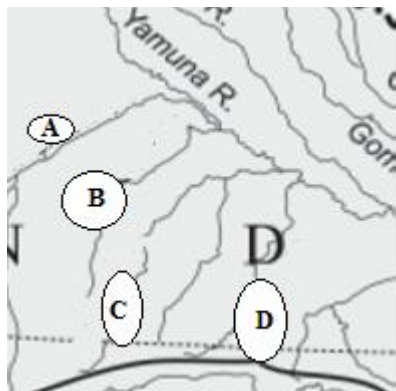
- A. Avanti B. Ashmaka C. Vatsa D. Chedi

75. Which is/are Correct?

1. The founder of Satavahanas dynasty is known as Simuka
2. Gautamiputra Satakarni was one of the powerful kings of the Satavahanas dynasty
3. Vasisthiputra Sri Pulmavi perhaps the last of the great Satavahana rulers

A. All the above B. 1 & 2 Only C. 3 Only D. 2 & 3 Only

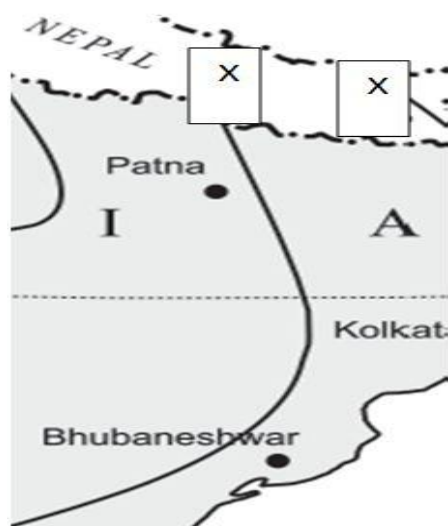
76. In the given part of map C & D are



A. Chambal & Sind B. Sind & Betwa C. Betwa & Ken D. Ken & Sone

77. The monsoon arrival date in the given map 'Xs'

A. May 5th to 10th B. June 5th to 10th C. July 5th to 10th D. August 5th to 10th



78. Moderate damage risk earthquake zone in India

1. Himachal Pradesh
2. Kashmir Valley
3. Delhi

A. 2 Only B. 1 & 3 Only C. 1 & 2 Only D. None of the above

79. Khadar and Bhangar are associated with

A. Alluvial Soil B. Black Soil C. Laterite Soil D. Red Soil

80. Mesolithic communities were in touch with people of the Harappa Culture. Which site is evidence for this?

A. Bagor in Rajasthan B. Langhnaj in Gujarat C. Both A & B D. None

81. Nedunjelidan – who defeated the combined forces of many South Indian kingdoms was a

A. Chera king B. Chola King C. Kadamba King D. Pandya King

82. Match- Which are CORRECT? (Literary work – Language)

- | | | | |
|-------------------|---------------|----------------------|---------------------|
| 1. Gathasaptasati | -Prakrit | 2. Milindapanho | - Pali |
| 3. Silappadikaram | - Telugu | 4. Svapnavasavadatta | -Pali |
| A. 3 & 4 Only | B. 1 & 3 Only | C. 1 & 2 Only | D. All of the above |

83. Which is/are Correct?

1. Dionysius was an ambassador of Egyptian king Ptolemy Philadelphus to Mauryan court
 2. Fa-Hien, the Chinese Buddhist pilgrim visited India during the period of Samudragupta
- A. 1 Only B. 2 Only C. All the above D. None of the above

84. Mayursarman

1. The Kadamba dynasty was founded by him
2. A learned brahman took up military profession to defeat Pallavas
3. He ruled from Banavasi

Which is/are Correct?

- A. 1 & 2 Only B. 1 & 3 Only C. 2 & 3 Only D. All of the above

85. Who provided a landmark in the history of the administration of law and justice in early India?

- A. Kadambas B. Guptas C. Chalukyas D. Satavahanas

86. Surface Tension explains which of these events

1. Small drops of mercury form spherical bead instead of spreading on the surface
 2. A liquid rise or fall in a thin capillary as soon as the capillary touches the surface of the liquid
 3. Soil at the bottom of river remain separated but they stick together when taken out
- A. None of the above B. 1 & 2 Only C. 1 & 3 Only D. All the above

87. Match - Which are CORRECT?

- | | |
|------------------|--|
| 1. Silicones | - Electrical insulators & surgical and cosmetic plants |
| 2. Kieselguhr | - an amorphous form of silica |
| 3. Zeolites | - catalyst in petrochemical industries |
| 4. Silica | - Silicon dioxide |
| A. All the above | B. 1, 2 & 3 Only C. 2, 3 & 4 Only D. 1, 3 & 4 Only |

88. When the animals' body can be divided into identical left and right halves in only one plane then that can be categorized as bilateral symmetry. Example for this

1. Sponges
2. Arthropods
3. Ctenophores
4. Echinoderms

Which is/are Correct?

- A. All the above B. 1 Only C. 2 Only D. None of the above

89. Which is/are Correct?

1. Aryabhata was an outstanding scholar of the Mauryan age
 2. Nagarjuna the great Mahayanist is reputed to have distinguished himself also in chemistry
- A. 1 Only B. 2 Only C. All the above D. None of the above

90. Yashovarman

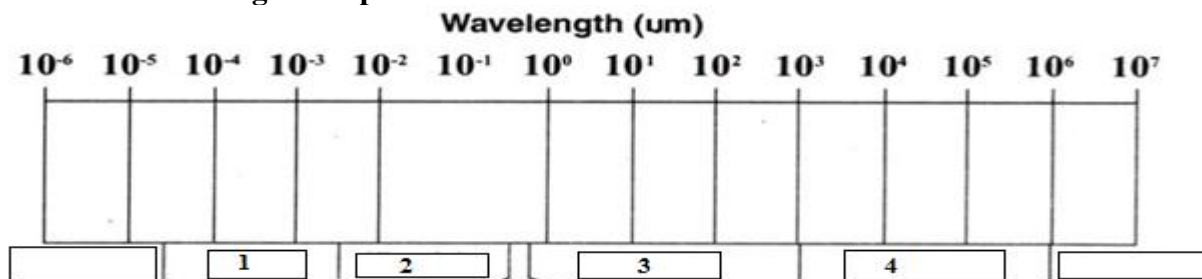
1. As a predecessor of Harshavardhana he made Kanauj as the centre of power
2. He had a victory over Bengal
3. Famous dramatist Bhavabhuti adorned his court

Which is/are Correct?

- A. 1 Only B. 1 & 3 Only C. 2 & 3 Only D. All the above

91. Which Kamarupa king a contemporary of Samudragupta
 A. Pushyavarma B. Samudravarma C. Balavarma D. Kalyanavarma
92. Bhaskaravarma was an ally of king Harshavardhana. This alliance was against
 A. Kamarupa B. Gauda C. Pushyabhuti D. Karkoṭa
93. Devices such as hydraulic lift and hydraulic brakes are based on the
 A. Pascal's law B. Archimedes' principle C. Ampere's law D. Coulomb's law
94. The common examples of forced convection systems are
 1. Forced-air heating systems in home
 2. The human circulatory system
 3. The cooling system of an automobile engine
 A. 1 Only B. 1 & 3 Only C. 2 & 3 Only D. All the above
95. A special type of photosynthesis called C4 pathway is a feature of
 A. Temperate Plants B. Tropical Plants C. Polar Vegetation D. All the above
96. Which is/are Correct?
 1. In India highest Percentage of area is occupied by Inceptisols
 2. In India least Percentage of area is occupied by Alfisols
 3. Inceptisols and Entisols both having weak horizons and occupy top two positions in the Percentage of area in India
 A. 1 Only B. 1 & 3 Only C. 2 & 3 Only D. All the above
97. Ancient Indian scholars divided the known world into
 A. Three dwipas B. Five dwipas C. Seven dwipas D. For them only one Continent
98. Which is/are Correct?
 1. The distance between two latitudes is approximately 111 km
 2. The distance between two longitudes at 45° of latitude, it is 79 km
 3. The sun traverses 15° of longitudes per hour
 4. The Standard Meridian is selected in a manner that it is only divisible by 15°
 A. 1, 2 & 3 Only B. 1 & 3 Only C. 2 & 4 Only D. All the above
99. Which of the following organization/s officially authorized to take aerial photographs in India?
 1. Indian Air Force
 2. Air Survey Company, Kolkata
 3. National Remote Sensing Agency, Hyderabad
 A. 1 & 3 Only B. 3 Only C. 2 & 3 Only D. All the above

100. Electromagnetic Spectrum



- A. Gamma- X-rays-ultraviolet-infrared B. X-rays-ultraviolet-infrared-Microwave
 C. X-rays-ultraviolet-infrared-Radio wave D. X-rays-Visible- Microwave- Radio wave

Answers

Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	D	18	B	35	D	52	C	69	D	86	D
2	D	19	B	36	B	53	C	70	C	87	A
3	B	20	C	37	B	54	D	71	A	88	C
4	C	21	A	38	B	55	C	72	D	89	B
5	A	22	C	39	B	56	A	73	A	90	C
6	B	23	B	40	D	57	D	74	B	91	A
7	A	24	D	41	B	58	B	75	B	92	B
8	C	25	C	42	B	59	C	76	C	93	A
9	D	26	D	43	C	60	D	77	B	94	D
10	C	27	B	44	D	61	B	78	D	95	B
11	B	28	C	45	C	62	D	79	A	96	B
12	A	29	D	46	C	63	A	80	C	97	C
13	B	30	B	47	C	64	B	81	D	98	A
14	B	31	D	48	C	65	D	82	C	99	D
15	D	32	B	49	D	66	A	83	A	100	B
16	A	33	D	50	B	67	C	84	D		
17	C	34	C	51	B	68	C	85	B		

