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1. Which was termed as Student Farmer-Middle Class Revolt by Dr Amba Prasad?
 - (a) Swadeshi movement
 - (b) Dandi march
 - (c) Quit India Movement
 - (d) Khilafat Movement
2. Famous song Sare Jahanse Acha was compiled by
 - (a) Tilak
 - (b) Bankim chandra Chatterjee
 - (c) Md. Iqbal
 - (d) Bhagat Singh
3. Who among the following was not the contemporary of the other three?
 - (a) Mahendrarvarman-I
 - (b) Mayursarman
 - (c) Pulakeisn-II
 - (d) Harsha
4. Kalidas a great Poet was a member of whose court?
 - (a) Chandragupta-I
 - (b) Samudra gupta
 - (c) Chandragupta-II
 - (d) Srigupta
5. Yuganthar was the journal of
 - (a) Bipin Chandra Pal
 - (b) Aurobindo
 - (c) Barindra Ghosh
 - (d) S.N.Banerji
6. 5 letters have to be put in 5 different envelopes numbered 1 through 5 such that each of the letters go into only 1 envelope. The letter is said to be put in correct position if for example letter 1 goes into envelope 1. What is the probability that all letters be put into wrong envelopes?
 - (a) 15
 - (b) 20
 - (c) 10
 - (d) 25
7. Daily weather map showing isobars is an example of
 - (a) Choropleth map
 - (b) Isopleth map
 - (c) Chorochromatic map
 - (d) Choroschematic map
8. Phytotron is a facility to
 - (a) grow plants under disease-free conditions

- (b) conserve endangered species of plants
- (c) grow plants under controlled conditions
- (d) induce mutations
9. At a time when empires in Europe were crumbling before the might of Napoleon which one of the following Governor-Generals kept the British flag flying high in India?
- (a) Warren Hastings
- (b) Lord Cornwallis
- (c) Lord Wellesley
- (d) Lord Hastings
10. Who adopted the title of Ghazi and called himself the "Emperor of Hindustan"?
- (a) Babur
- (b) Aurangzeb
- (c) Jahangir
- (d) SherShah
11. In which of the following acts the Company's territories in India were for the first time called the "British Possessions in India"?
- (a) Regulating Act of 1773
- (b) Pitt's India Act of 1784
- (c) The Charter Act of 1813
- (d) The Charter Act of 1831
12. A commission was appointed by the President in 1955 under the chairmanship of B.G Kher with respect to
- (a) the Welfare of Scheduled Tribes.
- (b) the Welfare of women.
- (c) Official Language.
- (d) Recommend Land reform measures.
13. The Citizenship Act 1955 provides for
- (a) Five ways of acquiring citizenship
- (b) Three ways of losing citizenship
- (c) Commonwealth citizenship
- (d) All of these
14. Who among the following constitutes a finance commission after every five years to review the financial position of the panchayats and the municipalities as per Article 243?
- (a) Chief Minister
- (b) Comptroller and Auditor General of the State.

- (c) Governor
(d) District Collector.
15. The Prime Minister is the Chairperson of
- 1.Planning Commission
 - 2.National Development Council
 - 3.National Integration Council
 4. Inter State council.
- (a) Only 1 and 2.
(b) Only 1 and 3
(c) Only 1, 2 and 4.
(d) 1, 2, 3 and 4.
16. Sunderbans tiger reserve with support from the experts have coordinated a recovery program for critically endangered ""Batagur Baska"", Batagur Baska is a
- (a) Snake
(b) Spider
(c) Deer
(d) Turtle
17. How was Junagadh ceded to India?
- (a) By UN intervention
(b) By Plebiscite
(c) By Military
(d) By signing the Instrument of Accession
18. The maximum strength of the Lok Sabha as per Article 81 is
- (a) 550
(b) 552
(c) 545
(d) 547
19. Identify the incorrect statement /(s) .
1. Chandernagore was ceded to India on May 2, 1950, and was merged with West Bengal on October 2, 1955.
 2. The 9th constitutional amendment act (1960) was enacted to transfer Berubari Union of West Bengal to Pakistan.
 3. The 69th constitutional amendment act 1991 provided a special status to the UT of Delhi and redesignated it the National Capital territory of Delhi.
- (a) All are correct.
(b) Only 1 and 2
(c) Only 2 and 3
(d) Only 3
20. Which of the following article empowers the Governor of the state to nominate one member of the

- Anglo-Indian community to the State legislative Assembly?
- (a) 333
(b) 233
(c) 243
(d) 337
21. Consider the following statements regarding 'Sloth bears'
- 1.They do not hibernate.
 - 2.It primarily eat termites and ants.
 - 3.It is listed as vulnerable in IUCN red list.
- (a) 1 only
(b) 1 and 2
(c) 2 and 3
(d) 1, 2 & 3
22. The facility, called "Orca" that was created in recent times is connected with
- (a) Carbon Capture
(b)Gravitational Waves detection
(c) Replicating Sun
(d) Cleaning Oil Spills in Ocean
23. Disguised unemployment generally means
- (a) large number of people remain unemployed
(b) alternative employment is not available
(c) marginal productivity of labour is zero
(d) productivity of workers is low
24. Atal Innovation Mission is set up under the
- (a) Department of Science and Technology
(b) Ministry of Labour and Employment
(c) NITI Aayog
(d) Ministry of Skill Development and Entrepreneurship
25. Consider the following statements regarding 'Hessian Fiber'
- 1.It is primarily composed of cellulose and lignin.
 - 2.It has high tensile strength.
 - 3.It can help with carbon capture.
- (a) 1 only
(b) 1 and 2
(c) 2 and 3
(d) 1, 2 & 3
26. Which one of the following statements is not correct?

- (a) The statue of Gomateshwara at Sravanabelagola represents the last Tirthankara of Jains
- (b) India's largest Buddhist monastery is in Arunachal Pradesh
- (c) The Khajuraho temples were built under Chandela Kings
- (d) The Hoyasalesvara temple is dedicated to Siva.
27. Harshavardhana used to have high religious assembly at
- (a) Prayag
- (b) Mathura
- (c) Varanasi
- (d) Tamralipati
28. Arabs invaded India in
- (a) 711 A.D.
- (b) 712 A.D.
- (c) 709 A.D.
- (d) 710 A.D.
29. According to Junagarh inscription of Rudradaman, at the time of Ashoka Saurashtra (Kathiawar) was governed by
- (a) Yavana raja Tushappa
- (b) Vaishya Pushya gupta
- (c) Susima
- (d) Adhyaksha
30. Which of the following statements is/are true?
- I) Jallian Wala Bagh incident took place on 13th April 1919.
- II) Disapproval of GOI Act 1919 was the motto of villagers.
- (a) Only I
- (b) Only II
- (c) Both I & II
- (d) Neither I nor II
31. The initial design and construction of which massive temple took place during the reign of Suryavarman II?
- (a) Sri Mariamman Temple
- (b) Angkor Vat
- (c) Batu Caves Temple
- (d) Kamakhya Temple
32. Who amongst the following Governors General was the first to initiate a new policy for execution of extensive irrigation schemes?
- (a) Elgin
- (b) Hastings
- (c) Lawrence
- (d) Minto

33. When the East India company was set up India was ruled by

- (a) Akbar
- (b) Aurangzeb
- (c) Balaji Baji rao
- (d) Bahadur Shah II

34. Who forbade inscription of Kalma on coins and ended the celebration of Naoroj festival?

- (a) Shershah
- (b) Jahangir
- (c) Aurangzeb
- (d) Humayun

35. "It made its proposals in May. It still wanted a united India. There was to be a Federal Union composed of British provinces." The above quotation is related to

- (a) Simon Commission
- (b) Desai-Liaquat Pact
- (c) Cripps Mission
- (d) Cabinet Mission

36. Consider the following statements

1. The First Administration Reforms Commission headed by the Late Morarji Desai recommended

creation of Lokpal at the centre and Lokayukta in the different states.

2. Orissa followed by Maharashtra were the first state to have such Lokayukta Institution in the year 1970.

- (a) Only 2
- (b) 1 & 2
- (c) Only 1
- (d) Neither 1 nor 2

37. Which of the following constitutional amendment act facilitated the appointment of the same person as a governor for two or more states?

- (a) Ninth
- (b) Seventh
- (c) Eighth
- (d) Fifth

38. Which of the following act introduced Dyarchy?

- (a) Montague - Chelmsford Reforms 1917
- (b) Minto - Morley Reforms 1909
- (c) Pitt's India Act of 1784
- (d) Regulating Act of 1773

39. Identify the incorrect pair

- (a) First Governor General of India - Lord William Bentinck.
- (b) Warren Hastings - First Governor General of Bengal.
- (c) Macaulay Committee - Estimation of Famine loss in 1860
- (d) First Viceroy - Lord Canning.
40. The principle 'Collective Responsibility' has been incorporated in Article-
- (a) 53
- (b) 74
- (c) 75
- (d) 105
41. Identify the incorrect pair
- (a) Article 48A - Protection of monuments.
- (b) Article 42 - maternity relief.
- (c) Article 43A - Participation of workers in management of industries.
- (d) Article 50 - Separation of judiciary from executive.
42. Which of the following article provides for the quorum to constitute a sitting of a House of the Parliament?

- (a) 100
- (b) 101
- (c) 102
- (d) 99
43. Consider the following statements regarding the office of the Governor.
- 1.The Draft constitution provided for the direct election of governor on the basis of universal adult franchise.
- 2.The Constituent Assembly opted for the system of appointment of the governor by the president based on the Australian model.
- Which of the above statements is/are true?
- (a) Only 1
- (b) Only 2
- (c) Both 1 and 2
- (d). Neither 1 nor 2
44. In which of the following case the Supreme Court upheld the constitutional validity of the national awards- Bharat Ratna, Padma Bhusan, Padma Vibhusan and Padmashri?

- (a) Balaji Raghavan vs. Union Of India Case (1996).
- (b) Bikaje Narain vs. Madhya Pradesh (1955).
- (c) Gujarat vs. Ambika Mills case (1974).
- (d) Keshavan vs. State of Bombay case (1951).
45. A three tier Panchayat is envisaged for states having population above
- (a) 15 Lakh
- (b) 20 Lakh
- (c) 10 Lakh
- (d) 25 Lakh
46. Acasta Gneiss - the oldest known intact crustal deposit on Earth is found in
- (a) Canada
- (b) Ireland
- (c) Cuba
- (d) Indonesia
47. Which one of the following stars is nearest to the Earth?
- (a) Polaris
- (b) Alpha Centauri
- (c) Sun
- (d) Sirius
48. The full convertibility of rupee on trade account and the dual exchange was introduced in the budget of the year
- (a) 1993-94
- (b) 1991-92
- (c) 1990-91
- (d) 1989-90
49. Karve Committee was appointed by the Planning Commission in 1955 for the improvement of
- (a) Small scale industries.
- (b) Aviation industries.
- (c) Steel industries
- (d) Ordnance factories
50. National income at market price + Subsidies on indirect taxes = X. What is X?
- (a) GDP at market prices
- (b) GDP at Factor prices
- (c) National Income at factor cost
- (d) None of these
51. Consider the following statements regarding "Sedition"
- 1.Right to criticize the Govt is a Fundamental Right.

- 2.Sedition law is an Act by Parliament.
- Which of the above statements are correct ?
- (a) 1 only
(b) 2 only
(c) Both 1 & 2
(d) Neither 1 nor 2
52. The term "SINN FEIN" which recently seen in news related to
- (a) A Political party in Northern Ireland
(b) An Islamist fundamentalist group
(c) An Hindu rights group in Malaysia
(d) An International NGO
53. Codex Alimentarius Commission is related with
- (a) Gold Monitoring
(b) International food standards
(c) Organic farming
(d) Digital surveillance
54. With reference to the Delimitation Commission consider the following statements

1.The orders of the Delimitation Commission cannot be challenged in a Court of Law.

2.When the orders of the Delimitation Commission are laid before the Lok Sabha or State Legislative Assembly, they cannot effect any modification in the orders.

Which of the statements given above is/are correct?

- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

55. Capital Adequacy Ratio is

- (a) 10% for new private banks
(b) 10% for banks undertaking insurance business
(c) 9% for Local Area Banks
(d) All the above are true

56. Consider the following statements

1.Foreign outflows and elevated oil prices have accelerated the rupee's fall

2.Russia's invasion of ukraine further widened the gap of rupee's fall

- 3.A weak rupee would deflate the country's import bill
- Which of the following statements are true ?
- (a) 1 only
(b) 1 and 2
(c) 2 and 3
(d) 1, 2 & 3
57. Consider the following statement about tropical cyclone
- 1.It is characterised by a low-pressure centre.
- 2.In this, counter clockwise wind flow in the Northern Hemisphere and clockwise wind flow in the Southern Hemisphere.
- 3.While the Temperate Cyclone dissipate on reaching the land,Tropical cyclones can be formed on both land and sea
- Which of the above statement are correct?
- (a) 1 only
(b) 1 and 2
(c) 2 and 3
(d) 1, 2 & 3
58. HFMD (Hand, Foot, and Mouth Disease) is a
- (a) Fungal Infection
(b) Viral Infection
(c) Bacterial Infection
(d) Protozoic Infection
59. Which of the following statements are true
- 1.Protection against marital rape is fundamental right under Article 21.
- 2.Marital rape is the expression of patriarchy.
- (a) 1 only
(b) 2 only
(c) Both 1 & 2
(d) Neither 1 nor 2
60. Which of the following statements are true
- 1.The pardoning power of the president can be challenged by making it a justiciable issue before the court
- 2.A pardon is a sole discretion of the executive.
- (a) 1 only
(b) 1 and 2
(c) 2 only
(d) Neither 1 nor 2

61. Tomato fever is caused by

- (a) Viral infection
- (b) Bacterial infection
- (c) Fungal infection
- (d) Protozoic infection

62. The term 'Sgr A*' which is recently seen in news is related to

- (a) Virus
- (b) A Protein
- (c) An ice matter in oort cloud
- (d) Black hole

63. Local self-government can be best explained as an exercise in

- (a) Federalism
- (b) Democratic decentralisation
- (c) Administrative delegation
- (d) Direct democracy

64. Which of the following statements are true

1. Extended Brahmos is a ballistic missile developed by India

2. Extended Brahmos is capped with a range of 1500 km.

- (a) 1 only
- (b) 1 and 2

(c) 2 only

(d) Neither 1 nor 2

65. Consider the following statements regarding 'Delimitation commission'

1. The Delimitation Commission is appointed by the President of India and works in collaboration with the Election Commission of India.

2. The Delimitation Commission has been set up six times in the past.

Which of the following statements are True?

- (a) 1 only
- (b) 2 only
- (c) Both 1 & 2
- (d) Neither 1 nor 2

66. What is the number of ways to arrange the 26 alphabets so that no two of the vowels a, e, i, o, and u occur next to each other?

- (a) $21! \cdot 12! / 17!$
- (b) $21! \cdot 22! / 17!$
- (c) $21! \cdot 22! / 18!$
- (d) $21! \cdot 12! / 18!$

Solution: We first have the 21 consonants arranged arbitrarily and there are $21!$ ways to do so. For each

such 21- permutation, we arrange the 5 vowels a,e,i,o,u in 22 positions between consonants; there are $P(22, 5)$ ways of such arrangement. Thus in $21! \times P(22,5) = 21! \cdot 22! / 17!$ Ways we can arrange the 26 alphabets so that no two of the vowels a, e, i, o, and u occur next to each other.

67. A shopkeeper wants to expose his oranges neatly for sale. Doing this he discovers that one orange is left over when he places them in groups of three. The same happens if he tries to place them in groups of 5, 7, or 9 oranges. Only when he makes groups of 11 oranges, it fits exactly. How many oranges does the shopkeeper have at least?

- (a) 941
- (b) 942
- (c) 943
- (d) None of these

Solution:

Assume the number of oranges is A.
 Then A-1 is divisible by 3, 5, 7 and 9.
 So, A-1 is a multiple of $5 \times 7 \times 9 = 315$

(note: 9 is also a multiple of 3, so 3 must not be included!). We are looking for a value of N for which holds that $315 \times N + 1$ is divisible by 11.

After some trying it turns out that $N = 3$. This means that the greengrocer has 946 oranges.

68. Three pipes of varying diameters can fill vessels of 2, 4 and 9 litres in 2, 9 and 25 minutes respectively. What is the ration of their diameters? If the speed of flow is found to be same in all three cases?

- (a) 3:2:3
- (b) 3:4:1
- (c) 15:10:9
- (d) 9:10:15

Solution:

Volume per unit time = Cross section area of pipe x speed of flow.

V/t directly proportional to d^2

$$\begin{array}{ccc} 2 & : & d^2 \\ 2 & : & d^3 \\ 2 = 2/2 : 4/9 : 9/25 = (1/2) : (2/3)^2 : (3/5)^2 \end{array}$$

$$d1 : d2 : d3 = 1 : 2/3 : 3/5 = 15 : 10 : 9$$

69. Two bags were sold at Rs. 100 each. After selling it was realised that on one, a profit of 10% was made and on other a loss of 10% was made. What is the net gain/loss%?

- (a) 1% gain
- (b) 1% loss
- (c) No loss no gain
- (d) 0.1% loss

Solution: Given Sp of Bag 1 & Bag 2 = 100 each profit made in Bag 1 is 10% of Cp & loss made in Bag 2 is 10% of Cp
 Therefore, Cp of Bag 1 is 90.90 Rs, Cp of Bag 2 is 111.11
 Total Cp = 90.90 + 111.11 = 202.01
 Total Sp = 100 + 100 = 200, therefore net loss is 202.01 - 200 = 2.01 Rs.
 Loss % = $(2.01/200) \times 100 = 1.005\%$
 □ (approx) 1% loss.

70. In how many ways to make a basket of fruit from 6 oranges, 7 apples, and 8 bananas so that the basket

contains at least two apples and one banana?

- (a) 224
- (b) 234
- (c) 334
- (d) 336

Solution:

$$\text{Number of ways} = 7 \times 6 \times 8 = 336$$

71. Which of the following is/are the indicator/indicators used by IFPRI to compute the GlobalHunger Index Report?

- 1.Undernourishment
- 2.Child stunting
- 3.Child mortality

Select the correct answer using the code given below

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

72. With reference to 'Bitcoins', sometimes seen in the news which of the following statements is/are correct?

1.Bitcoins are tracked by the Central Banks of the countries.

2.Anyone with a Bitcoin address can send and receive Bitcoins from anyone else with a Bitcoin address.

3.Online payments can be sent without either side knowing the identity of the other.

Select the correct answer using the code given below

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

73. consider the following statements regarding 'Chemical fertilizers' in India:

1.At present, the retail price of chemical fertilizers is market-driven and not administered by the Government.

2.Ammonia, which is an input of urea, is produced from natural gas.

3.Sulphur, which is a raw material for phosphoric acid fertilizer, is a by-product of oil refineries.

Which of the statements given above is/are correct?

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

74. The effect of Inflation upon the Interest rate of a loan or bond is known as

- (a) Lorentz effect
- (b) Fisher effect
- (c) Cause effect
- (d) Marshall effect

75. Quartzite is metamorphosed from

- (a) Limestone
- (b) Obsidian
- (c) Sandstone
- (d) Shale

76. With reference to the cultural history of India, which one of the following is the correct description of the term 'paramitas'?

- (a) The earliest Dharmashastra texts written in aphoristic (sutra) style
- (b) Philosophical schools that did not accept the authority of Vedas

- (c) Perfections whose attainment led to the Bodhisattva path
(d) Powerful merchant guilds of early medieval South India
77. Consider the following:

1. Deification of the Buddha
2. Treading the path of Bodhisattvas
3. Image worship and rituals

Which of the above is/are the feature/features of Mahayana Buddhism?

- (a) 1 only
(b) 1 and 2
(c) 2 and 3
(d) 1, 2 & 3
78. Consider the following statements.
1. The Labrador current is a cold current in the north Atlantic ocean.
 2. The Falkland current is a warm current that flows along the Chile coast of South Pacific Ocean.
- Which of the above statements is/are true?
- (a) 1 only
(b) 2 only

- (c) Both 1 & 2
(d) Neither 1 nor 2

79. "If you stand with your back to the wind in the northern hemisphere, air pressure is lower on your left than on your right." Who stated this law?

- (a) Coriolis
(b) Buys Ballot
(c) Gresham
(d) Fresnel

80. Consider the following statements:

1. NTPC is the largest power utility in India.
2. ONGC accounts for half of the LPG production in India.
3. Indian Oil Corporation operates all the oil refineries in India.
4. The Indian Ordnance Factory is the largest departmentally run industrial undertaking in the country.

Which of these statements is/are correct?

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

- (d) 1 and 4
81. Consider the following statements:
- 1.The Election Commission of India is a five-member body.
 - 2.Union Ministry of Home Affairs decides the election schedule for the conduct of both general elections and bye-elections.
 - 3.Election Commission resolves the disputes relating to splits/mergers of recognised political parties.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only
(b) 2 only
(c) 2 and 3 only
(d) 3 only
82. The purest form of carbon is
- (a) Diamond
(b) Coal
(c) Graphite
(d) Carborundum
83. Water is a good solvent of ionic salts because
- (a) it has a high boiling point
(b) it has a high dipole moment
(c) it has a high specific heat
(d) it has no colour
84. The 'stones' formed in human kidney consist mostly of
- (a) calcium oxalate
(b) sodium acetate
(c) magnesium sulphate
(d) calcium
85. An air bubble in water will act like a
- (a) Convex mirror
(b) Convex lens
(c) Concave mirror
(d) Concave lens
86. According to India's National Policy on Biofuels, which of the following can be used as raw materials for the production of biofuels?
- 1.Cassava
 - 2.Damaged wheat grains
 - 3.Groundnut seeds
 - 4.Horse gram
 - 5.Rotten potatoes
 - 6.Sugar beet
- Select the correct answer using the code given below:

- (a) 1, 2, 5 and 6 only
(b) 1, 3, 4 and 6 only
(c) 2, 3, 4 and 5 only
(d) 1, 2, 3, 4, 5 and 6
87. Phytotron is a facility to
- (a) grow plants under disease-free conditions
(b) conserve endangered species of plants
(c) grow plants under controlled conditions
(d) induce mutations
88. Cell theory was propounded by
- (a) Schleiden
(b) Schwan
(c) Both (a) and (b)
(d) Neither (a) Nor (b)
89. Which one of the following pairs of materials serves as electrodes in chargeable batteries commonly used in devices such as torch lights, electric shavers etc.?
- (a) Nickel and cadmium
(b) Zinc and carbon
(c) Lead peroxide and lead
(d) Iron and cadmium
90. The cause of Cretinism is
- (a) hypo thyroidism
(b) hyper thyroidism
(c) hyper para thyroidism
(d) hypo para thyroidism
91. This event on earth led to formation of most of the minerals found today
- (a) Amino acid formation
(b) Methane formation
(c) Great Oxygenation
(d) Ammonia formation
92. Consumption of fish is considered to be healthy when compared to flesh of other animals because fish contains
- (a) polyunsaturated fatty acids
(b) saturated fatty acids
(c) essential vitamins
(d) more carbohydrates and proteins
93. The work done in holding a weight of 200kg at a height of 1m is
- (a) Zero
(b) 200 Joules
(c) 2 KiloJoules
(d) None of these
94. Identify the incorrect statement

- (a) About 83% of the light incident upon a leaf is absorbed.
- (b) Only 4% of the light absorbed is absorbed by the chlorophyll.
- (c) Isolated chlorophyll in pure form emits red colour.
- (d) Dark reaction in photosynthesis is known as Hill reaction.
95. Which one of the following contains powerful oxidizing enzymes and helps in removing toxic substances from cells?
- (a) Dictyosomes
- (b) Peroxisomes
- (c) Chondriosomes
- (d) Lysosomes
96. The purest form of iron is
- (a) Wrought iron
- (b) Cast iron
- (c) White cast iron
- (d) None of these
97. Oncogenic viruses cause
- (a) Cancer
- (b) Syphilis
- (c) Leprosy

- (d) Hepatitis
98. The lighters used in households for lighting the gas stoves works on the principle of
- (a) Piezoelectric effect
- (b) Seebeck effect
- (c) Thomson effect
- (d) Thevenin effect
99. Anthrax is caused by
- (a) Virus
- (b) Bacteria
- (c) Fungus
- (d) Mycoplasmas
100. The total capacity of lungs is
- (a) Nearly 6 litre
- (b) nearly 3 litre
- (c) nearly 5 litre
- (d) nearly 4.5 litre
101. Let the gravitational force with which the sun attracts the earth be S and the gravitational force with which the earth attracts the sun be E, then
- (a) $S > E$
- (b) $S < E$
- (c) $S = E$

- (d) S is a constant while E is variable.
102. A noise level of 100 decibels would correspond to
- (a) just audible sound
 - (b) ordinary conversation
 - (c) sound from a noisy street
 - (d) noise from a machine-shop
103. When viewed in white light, soap bubble shows colour because of a
- (a) Interference
 - (b) Polarisation
 - (c) Refraction
 - (d) Diffraction
104. Oil film when seen in day light appears coloured because of
- (a) Reflection
 - (b) Interference
 - (c) Both (a) & (b)
 - (d) diffraction
105. Botulism is the process of spoilage of food by
- (a) Virus
 - (b) Bacteria
 - (c) Protozoa
 - (d) Nematode
106. Permutit is used as
- (a) Germicide in water purification
 - (b) Softener of hard water
 - (c) An alternative to Chlorine in Chlorinating plants
 - (d) Flocculating agent to remove potash alum salts in water
107. In which of the following crop Azolla-Anabaena biofertilizer is used?
- (a) Wheat
 - (b) Rice
 - (c) Maize
 - (d) Egyptian Cotton
108. The characteristic odor of garlic is due to
- (a) a chloro compound
 - (b) a sulphur compound
 - (c) a fluorine compound
 - (d) acetic acid
109. Most part of coal is formed from
- (a) Bryophytes
 - (b) Angiosperms
 - (c) Gymnosperms
 - (d) Pteridophytes

110. In photosynthesis photolysis of water occurs in
- (a) Cyclic photophosphorylation
 - (b) Non-Cyclic photophosphorylation
 - (c) Both (a) and (b)
 - (d) Neither (a) Nor (b)
111. Aluminum surface are often 'anodized'. This means the deposition of a layer of
- (a) Chromium oxide
 - (b) Aluminum oxide
 - (c) Nickel oxide
 - (d) Zinc oxide
112. Which of the following professional (s) are more likely to run the risk of a permanent change in their cell's DNA?
1. Researches using carbon-14 isotope
 2. X-ray technician
 3. Coal miner
 4. Dyer and painter
- Select the correct answer by using the codes given below:
- (a) 2 only
 - (b) 1, 2 and 3
 - (c) 1, 2 and 4
 - (d) 1, 3 and 4
113. Phenylketonuria is an example of an inborn error of metabolism. This "error" refers to
- (a) hormonal overproduction
 - (b) atrophy of endocrine glands
 - (c) inherited lack of an enzyme
 - (d) nondisjunction
114. 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
115. Consider the following kinds of organisms:
1. Bat
 2. Bee
 3. Bird
- Which of the above is/are pollinating agent/agents?
- (a) 1 and 2 only
 - (b) 2 only

- (c) 1 and 3 only
(d) 1, 2 and 3
116. In collaboration with David Hare and Alexander Duff, who of the following established Hindu College at Calcutta?

- (a) Henry Louis Vivian Derozio
(b) Ishwar Chandra Vidyasagar
(c) Keshab Chandra Sen
(d) Raja Rammohan Roy

117. Which of the following statements is/are correct regarding Brahma Samaj?

1. It opposed idolatry.
2. It denied the need for a priestly class for interpreting the religious texts.
3. It popularized doctrine that the Vedas are infallible.

Select the correct answer using the codes given below:

- (a) 1 only
(b) 1 and 2 only
(c) 3 only
(d) 1, 2 and 3
118. Consider the following statements:

1. New Development Bank has been set up by APEC.

2. The headquarters of New Development Bank is in Shanghai.

Which of the statements given above is/are correct?

- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

119. Which one of the following is a modified stem?

- (a) Carrot
(b) Sweet potato
(c) Coconut
(d) Potato

120. Which Pallava king introduced the practice of scooping entire temples out of solid rock?

- (a) Simhavishnu
(b) Vishnugopa
(c) Simhavarma
(d) Mahendra varma-I

121. Which political body gave the call of "Undivided India"?

- (a) Ghadar
(b) Communist Party
(c) Hindu Mahasabha
(d) None of these
122. Atlantic Charter was passed in
- (a) 1943
(b) 1940
(c) 1942
(d) 1941
123. The book "Poverty and Un-Britishrule in India" was written by
- (a) Naoroji
(b) R.C.Dutt
(c) C.R.Das
(d) B.C.Pal
124. The real intention of the British to include the princely states in the Federal Union proposed by the India Act of 1935 was to
- (a) exercise more and direct political and administrative control over the princely states
(b) involve the princes actively in the administration of the colony
(c) finally effect the complete political and administrative take-over of all the princely states by the British
(d) use the princes to counter-balance the anti-imperialist doctrines of the nationalist leaders
125. The resolution on NCM was adopted by the Indian National Congress at a special session held at
- (a) Lahore
(b) Calcutta
(c) Amritsar
(d) Bombay
126. The first Indian ruler to organize Haj pilgrimage at the expense of the state was
- (a) Alauddin Khilji
(b) Feroz Tughlakh
(c) Akbar
(d) Aurangzeb
127. Who was the Leader of the Chittagong Armoury Raid 1930?
- (a) Ambika Chakravarti
(b) Surya Sen
(c) Ganesh Ghose
(d) V.D.Savarkar
128. In Indian history, who was Abdul Hamid Lahori?

- (a) An important military commander during Akbar's reign
- (b) An official historian of the reign of Shah Jahan
- (c) An important noble and confidant of Aurangzeb
- (d) A chronicler and poet during the reign of Muhammad Shah
129. Ahilya bai belonged to which dynasty?
- (a) Gaekwad
- (b) Holkar
- (c) Scindia
- (d) Bhonsle
130. Simon Commission of 1927 was boycotted because
- (a) There was no Indian Member in the Commission
- (b) It supported the Muslim League
- (c) It justified the Punjab tragedy of 1919
- (d) None of these.
131. Who was the head of East India Company in 1857?
- (a) Queen Victoria
- (b) Robert Bateson
- (c) R.D.Mangels
- (d) Thomas
132. After which of the following battles did Nadir Shah took away the peacock throne & kohinoor diamond?
- (a) Battle of Karnal
- (b) Battle of Kanauj
- (c) Battle of Palkhed
- (d) Battle of Haldighati
133. The members of the Constituent Assembly which drafted the Constitution of India were
- (a) nominated by the British parliament
- (b) nominated by the Governor General
- (c) elected by the Legislative Assemblies of various provinces
- (d) elected by the Indian national Congress and Muslim League
134. Who presided the First All Bengal conference of Student in 1928?
- a) R.N.Tagore
- (b) S.N.Tagore
- (c) J.Nehru
- (d) Motilal Nehru
135. Assertion :(A) Monkey pox is a DNA virus

- Reason : (R) Monkey pox virus has a lower mutation rate
- (a) Both A and R are true and R is the correct explanation of A.
(b) Both A and R are true but R is NOT the correct explanation of A.
(c) A is true but R is false.
(d) A is false but R is true.
136. Non cooperation movement was announced by Gandhi in 1920
- (a) Against Jalianwalh Bagh massacre
(b) Against Khilafat issue
(c) Swaraj
(d) All the above
137. Which of the following statements is/are true?
- I) Gandhi performed Navgali Yatra in October 1946.
II) Mountbaten Plan on 3-6-1947 advanced Indian Independence from June 1948.
- (a) Only I
(b) Only II
(c) Both I & II
(d) Neither I nor II
138. The Hunter Commission was appointed after the
- (a) Black-hole incident
(b) Jalianwallabah massacre
(c) Uprising of 1857
(d) Partition of Bengal
139. Consider the following statements:
1. In 712 A.D. the Arabs invaded India on the plea that Dahir did not punish the pirates who had captured the ships belonging to Haja, the Arabian ruler.
2. The Arabs destroyed the Maitraka dynasty of Valabhi and the Gurjara kingdom of Broach.
3. The Gurjaras of Rajputana desert and the Chalukyas of Badami drove the Arabs back.
4. Melchhas include Shakas, Kushanas, and the Huns.
- Which of these statements are correct?
- (a) 4, 1 and 2
(b) 1, 2, 3 and 4
(c) 2 and 3
(d) 1 and 3

140. Which of the below statements are true.

1.The Indian Council for Cultural Relations (ICCR), is an autonomous organisation

2.ICCR was founded in 1950 by Maulana Abul Kalam Azad, the first Education Minister of independent India.

(a) 1 Only

(b) 2 Only

(c) Both 1 & 2

(d) Neither 1 nor 2

141. Which the following statements regarding 'Red Sanders' are true

1.Red Sanders is a flora-species that is endemic to a distinct tract of forests in Eastern Ghats region

2.It falls under 'endangered list' in the IUCN Red List.

3.It is listed in Appendix-I of the CITES.

(a) 1 Only

(b) 1 and 2

(c) 2 and 3

(d) 1, 2 and 3

142. In the context of governance, consider the following:

1.Encouraging Foreign Direct Investment inflows

2.Privatization of higher educational Institutions

3.Down-sizing of bureaucracy

4.Selling/offloading the shares of Public Sector Undertakings

Which of the above can be used as measures to control the fiscal deficit in India?

(a) 1, 2 and 3

(b) 2, 3 and 4

(c) 1, 2 and 4

(d) 3 and 4 only

143. Consider the following statements:

1.Aadhaar card can be used as a proof of citizenship or domicile.

2.Once issued, Aadhaar number cannot be deactivated or omitted by the Issuing Authority.

Which of the statements given above is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

- (d) Neither 1 nor 2
144. Which of the following are some important pollutants released by steel industry in India?
- 1.Oxides of sulphur
 - 2.Oxides of nitrogen
 - 3.Carbon monoxide
 - 4.Carbon dioxide
- Select the correct answer using the code given below:
- (a) 1, 3 and 4 only
- (b) 2 and 3 only
- (c) 1 and 4 only
- (d) 1, 2, 3 and 4
145. Which of the following statement is correct ?
- (a) The federal State promoted unity.
- (b) The federal State promoted individual liberty
- (c) The federal State promoted individual liberty and autonomy
- (d) The federal State promoted neither liberty nor unity
146. Sovereignty is the elementary attribute of the
- (a) Nation
- (b) Government

- (c) State
- (d) Society
147. With reference to the role of UN-Habitat in the United Nations programme working towards a better urban future, which of the statements is/are correct?
- 1.UN-Habitat has been mandated by the United Nations General Assembly to promote socially and environmentally sustainable towns and cities to provide adequate shelter for all.
 - 2.Its partners are either governments or local urban authorities only.
 - 3.UN-Habitat contributes to the overall objective of the United Nations system to reduce poverty and to promote access to safe drinking water and basic sanitation.
- Select the correct answer using the code given below:
- (a) 1, 2 and 3
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1 only
148. Which of the following can be threats to the biodiversity of a geographical area?

- 1.Global warming
- 2.Fragmentation of habitat
- 3.Invasion of alien species
- 4.Promotion of vegetarianism

Select the correct answer using the codes given below:

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

149. Consider the following statements:

1.The seven colors of white light travel in vacuum with uniform velocity.

2.Monazite is an ore of Uranium.

3.Aluminothermy is a process to prevent corrosion of iron rods.

Which of the above is/are correct?

- (a) 2& 3 Only
- (b) only 1
- (c) 1 & 2 Only
- (d) All are correct.

150. Supremacy of constitution, which one of the essential features of federal government, means

- (a) Constitution is above centre
- (b) Constitution is above all institutions, civil servants and citizens.
- (c) Constitution is above parliament.
- (d) Constitution is above states.

Answers

1.	C
2.	C
3.	B
4.	C
5.	C
6.	B
7.	B
8.	C
9.	A
10.	A
11.	B
12.	C
13.	D
14.	C
15.	D
16.	D
17.	B
18.	B
19.	A
20.	A
21.	D
22.	A
23.	C
24.	C
25.	D
26.	B
27.	A
28.	B
29.	B
30.	C
31.	B
32.	C
33.	A
34.	C
35.	D
36.	B
37.	B
38.	A

39.	C
40.	C
41.	A
42.	A
43.	A
44.	A
45.	B
46.	A
47.	C
48.	A
49.	B
50.	C
51.	A
52.	A
53.	B
54.	C
55.	D
56.	B
57.	B
58.	B
59.	C
60.	C
61.	A
62.	D
63.	B
64.	D
65.	A
66.	B
67.	D
68.	C
69.	B
70.	D
71.	C
72.	B
73.	B
74.	B
75.	C
76.	C

77.	D
78.	A
79.	B
80.	D
81.	D
82.	A
83.	B
84.	A
85.	D
86.	A
87.	C
88.	C
89.	A
90.	A
91.	C
92.	D
93.	A
94.	D
95.	B
96.	A
97.	A
98.	B
99.	A
100.	A
101.	C
102.	D
103.	A
104.	C
105.	B
106.	B
107.	B
108.	B
109.	D
110.	B
111.	D
112.	B
113.	C
114.	C

115.	D
116.	D
117.	B
118.	B
119.	D
120.	D
121.	C
122.	D
123.	A
124.	D
125.	B
126.	C
127.	B
128.	B
129.	B
130.	A
131.	C
132.	A
133.	C
134.	C
135.	A
136.	D
137.	C
138.	B
139.	
140.	C
141.	B
142.	D
143.	D
144.	D
145.	A
146.	A
147.	B
148.	A
149.	C
150.	B

