

NDA English

1. It was really smart of him (a)/ to have chosen the right course (b)/is n't it? (c)/ No error (d)
2. The doctor advised me (a)/ that (b)/I am going on a salt free diet.(c)/No error(d)
3. It can't be true (a)/that he has never done something wrong (b)/ in his entire career (c)/ No error (d)
4. He told (a)/that his brother (b)/was singer. (c)/ No error (d)
5. When we reached at the station (a)/ I fought my way through people and luggage (b)/ and secured a place next to the window. (c)/ No error (d)
6. The managing director along with his staff members were present (a)/for (b)/the annual general body meeting (c)/ No error (d)
7. If you will follow my instructions. (a)/ you will definitely score high marks (b)/in the entrance examination. (c)/ No error (d)
8. In many respects, (a)/India is different (b)/than western countries. (c)/ No error (d)
9. The members of the family (a)/ soon become (b)/ aware what had taken place. (c)/ No error (d)
10. I have met him (a)/ on Monday last (b)/ and had a long discussion. (c)/ No error (d)
11. It is time (a)/we decide not to play cricket,(b)/for the next two years. (c)/ No error (d)
12. He likes (a)/the sceneries (b)/of the hills. (c)/ No error (d)
13. I did not know (a)/that you have left your handbag in our office (b)/when you came to see me last Friday. (c)/ No error (d)
14. He wanted me (a)/to bring two breads and some (b)/for breakfast. (c)/ No error (d)
15. The parents are happy to know (a)/that a number of summer programmers have been arranged (b)for the benefit of their children(c)/ No error (d)

Each the following items consists of a sentence followed by four words or group of words. Select the **synonym** of the word (occurring in the sentence in capital letters) as per the context.

16. The vehicle slowed down as they moved up the GRADIENT.
(a) road with sharp bends (b) bumpy, uneven path
(c) slope or incline (d) mountainous area
17. It is DEPLORABLE that millions of people in India are below the poverty line.
(a) hateful (b) regrettable (c) undesirable (d) unpleasant
18. The government should PROSCRIBE that sort of literature.
(a) rusticate (b) excommunicate (c) ban (d) outlaw
19. The volcano on the island is DORMANT.
(a) cold (b) inactive (c) dangerous (d) old
20. A person who EQUIVOCATES should not be relied upon.
(a) deceive others (b) tells lies (c) gives misleading statements (d) flatters
21. The newspaper reports were MENDACIOUS.
(a) mischievous (b) truthful (c) provocative (d) false
22. The priest pronounced BENEDICTION.
(a) good wishes (b) blessings (c) punishment (d) appreciation
23. Her habits are INNOCUOUS.
(a) useful (b) injurious (c) causing no harm (d) bad
24. I INVEEIHED her for her different outlook.
(a) criticized (b) rebuked (c) disliked (d) appreciated

25. The youth was BEFOGGED when he was interrogated loudly by the police inspector.

- (a) terrified (b) panicky (c) surprised (d) puzzled

Each the following items consists of a sentence followed by four words or group of words. Select the **antonym** of the word (occurring in the sentence in capital letters) as per the context.

26. A few heavenly DARKEN the world in each generation.

- (a) brighten (b) please (c) enlighten (d) glamorize

27. An JCY reception greeted the arrivals.

- (a) hostile (b) warm (c) pleasing (d) strange

28. The young athlete is ENERGETIC enough to run ten thousand meters at a stretch.

- (a) inactive (b) dull (c) gloomy (d) lethargic

29. He has a SECURE position in the entrance examination.

- (a) rigid (b) precarious (c) static (d) secondary

30. The accused was ACQUITTED of the charge.

- (a) held guilty (b) betrayed (c) involved (d) offended

31. It is COMPULSORY that all members of the board be present at the meeting.

- (a) optional (b) contrary (c) obligatory (d) conditional

32. Events ultimately led to LIGUBRIOUS ending.

- (a) happy (b) hopeful (c) helpful (d) reassuring

33. He ACCE:ETATED the speed of his car.

- (a) retarded (b) reviewed (c) recorded (d) restored

34. The criminal was known to the police by VARIOUS names.

- (a) separate (b) distinct (c) identical (d) similar

35. The police praised the MENTICULOUS arrangements made by the organizers to receive the guest at the airport.

- (a) haphazard (b) random (c) ridiculous (d) shabby

In the following items, some parts of the sentence have been jumbled up. You are required to rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. choose the proper sequence 'Z' has have been solved for you.

Z. Some people believe that the effect (P)/is very bad (Q)/on children (R)/of cinema(S)

The correct sequence should be

- (a) PSRQ (b) SPQR (c) SRPQ (d) QSRP

Explanation:

The proper way of writing the sentence is "some people believe that the cinema on children is very bad"

This is indicated by the sequence PSRQ and so (a) is the correct answer.

36. They marched (P)/for a while under a tree (Q)/often they had rested (R)/ on to their journey (c)/

The correct sequence should be

- (a) SRQP (b) PSRQ (c) QRPS (d) RQPS

37. as the President entered the hall (P)/from his seat (Q)/to great him (R)/everyone got up (S)

38. He took shelter (P)/near the lake(Q)/ when there was a heavy downpour(R)/ under the large mangle tree (S)

The correct sequence should be

- (a) PRQS (b) PSRQ (c) RSPQ (d) RPSQ

39. Our educationalists are to teach children (P)/ too often anxious (Q)/ without any utility(R)/so many languages(S)

The correct sequence should be

- (a) PQRS (b) QRSP (c) SRQP (d) QPSR

40. the rain did not prevent (P)/from being played (Q)/to a finish (R)/ the match(S)

The correct sequence should be

- (a) PQRS (b) PSQR (c) PSRQ (d) SQPR

41. It has been like inheriting some money (P)/and afterwards(Q)/marrying for love (R)/through the wife (S)

The correct sequence should be

- (a) RQPS (b) PSQR (c) SPQR (d) PQSR

42. His mother when he was hungry (P)/last evening (Q)/could not feed (R)/the baby(S)

The correct sequence should be

- (a) RSPQ (b) PQRS (c) SPQR (d) QPRS

43. Whenever he heard the question the old man (P)/answered (Q)/who lived in that house (R)/that the Earth is flat (S)

- (a) PQRS (b) PQSR (c) PRQS (d) SPQR

Directions (For the 07 items which follow):

In this section, you have two short passages. After each passage, you will find several questions based on the passage. first, read a passage and then answer the questions based on it. You are required to select. Your answer based on the contents of the passage and opinion of the author only.

Passage - I

Elephants spray water over their ears to stay cool. The rhythm of an elephant's day is set largely by its watering routine. An adult needs about thirty gallons of water a day. when water is abundant there is no problem. But during droughts, elephants resort to an intriguing technique : digging wells. In a dried-up river bed they scoop out holes with their forefeet until they reach water. After waiting patiently for the sand to settle, they drink in order of seniority, calves last.

44. According to the passage water is.

- (a) quite important for the elephant (b) vital for the elephant's survival
(c) occasionally useful for the elephant (d) often a problem for the elephant

45. According to the passage, elephants spray water over themselves.

- (a) to have fun (b) to ward off the heat
(c) to cool their heels (d) to quench their thirst

46. During droughts, elephants

- (a) burrow in the sand to avoid heat (b) find water in rivers
(c) dig holes in the river bed to reach the water (d) find new water holes

47. When the elephants find water

- (a) the baby elephants drink first (b) the oldest adult drinks first
(c) the largest elephant drinks first (d) the youngest adult drinks first

Passage - II

One day my brother brought home a new song-bird . It was the smallest of them all, a tiny creature of a blue and a red that sparkled when brushed by the sun. But there was a problem: while the others sang,

this new bird remained silent. My brother tried coaxing music out of him, in vain. He tried attacking with a stick, but the bird was unmoved. My brother first tried withholding food, but later when the incentive was offered the bird ignored it, and twice he knocked over his dish, scattering the seed.

48. One day writer's brother brought home a bird
- (a) which never ate food
 - (b) which flew so high it seemed to touch the sun
 - (c) whose colours shone brightly in the sunlight
 - (d) which was the largest of all the birds in his collection
49. At first his brother tried to get the bird to sing by
- (a) tempting with food
 - (b) Placing it in the company of the other birds while they sang
 - (c) singing to the bird himself
 - (d) withholding food
50. What does the word "coaxing "mean?
- (a) to behave rudely (b) to use violent means
 - (c) to gently persuade (d) to beg repeatedly
51. Who become youngest ever Lok Sabha member in the 2019 Lok Sabha Polls?
- (a) Smriti Irani (b) Rahul Gandhi (c) Amit Shah (d) Chandrani Murmu
52. Which Indian State Listed the Masala Bonds at London Stock Exchange?
- (a) Kerala (b) Karnataka (c) Matharashtra (d) Odisha
53. Which company become India's biggest company by revenue?
- (a) Tata Consultancy Ltd. (b) Reliance Industries Ltd.(RIL)
 - (c) Adani Industries Ltd. (d) Bajaj industries Ltd.
54. India successfully launched a radar imagine earth observation satellite named.
- (a) RISAT-2B (b) ASAT-2B (c) RSAT-2B (d) GSAT-2B
55. What is India's rank on the IMD's world competitiveness rankings, 2019
- (a) 42nd rank (b) 43rd rank (c) 41st rank (d) 44th rank
56. Which team clichéd the Indian Premier League, 2019 title?
- (a) Mumbai Indian (b) Chennai Super kings
 - (c) Kolkata Night Riders (d) Rajasthan Royals
57. Who has become the top military officer of the NATO military alliance?
- (a) General Tod D. wolters (b) general Stiert Peach
 - (c) General Alen Depp (d) General Tony Stephen
58. Who scaled Mount Everest for record 24th time?
- (a) Kami Rita Sherpa (b) Eric Shipron (c) Tenzing Norgay (d) None of these
59. Which country has become the country to declare an environment and climare emergency?
- (a) USA (b) Germany (c) The United Kingdom (d) France
60. Which is the first place in Asia where same sex marriage has been legalized/
- (a) Taiwan (b) India (c) Sri Lanka (D) Vietnam
61. Former ISRO Chief A.S. Kiran Kumar gets the top civilian honor of-
- (a) Germany (b) France (c) USA (d) UK
62. Which country won the 64th Eurovision Song Contest, 2019?

- (a) The Netherlands (b) Sweden (c) Norway (d) Denmark
63. Which film was honored with the plume d' or honor of the 72nd Cannes Film Festival?
 (a) Parasite (b) The Specials (c) Liberate (d) The Dead Don't Die
64. Which team clichéd Sudirman Cup, 2019 crown?
 (a) India (b) Pakistan (c) China (d) Bangladesh
65. Which of the following numbers is known as hardy-Ramanujan number?
 (a) 2339 (b) 1729 (c) 4222 (d) 1825
66. As per RBI's guidelines, a bank account is treated as dormant if it is not operated for at least-
 (a) Three months (b) Six month (c) One year (d) Two years
67. Smashing and vishing are types of-
 (a) Advertising campaigns (b) Frauds
 (c) Employee Stock options (d) Profit sharing Structure
68. Cubes is a colloquial term for..... exchange traded fund.
 (a) NASDAQ 100 (b) S & P 500 (c) DOW Jones (d) FTES 100
69. America's Law Primarily Deals with the impact of-
 (a) Inflation (b) Currency (c) Technology (d) Income inequality
70. Fort Knox is renowned as a repository of-
 (a) Silver (b) Gold (c) Diamonds (d) Platinum

Part – B

71. The Jury Act of 1827 was opposed by many Indians. One of the Grounds for opposing it was that it denied both to the Hindus and Mohammedans the honor of a seat on the Grand Jury. Which among the following was known for his opposition to the Jury Act?
 (a) Gopal Krishna Gokhale (b) Lord Sinha
 (c) Sir Syed Ahmed Khan (d) Raja Rammohan Roy
72. Plan Balkan was
 (a) a devised by Mountbatten to transfer power to separate provinces, with the Bengal and Punjab Assemblies being given the options to vote for partition of their provinces.
 (b) The plan devised by pethick Lawrence to give autonomy to Indian princes and provinces
 (c) A plan devised by the muslim League and the Congress to Provide to form confederations
 (d) A plan devised by Mountbatten to allow Indian princes the freedom to either be independent or to join either India or Pakistan
73. Which one among the following prominently rose in revolt against the Brithish in 1857?
 (a) Punjab (b) Madras Regiment (c) Bengal Army (d) Awadh Regiment
74. The first Prime minister Of India 1947 was appointed by
 (a) The Governor General (b) The President of India
 (c) Mahatma Gandhi (d) A committee headed by Dr. Rajendra Prasad
75. Which one among the following statements is correct?
 The press in democracy must
 (a) be free and impartial (b) be committed to the policies of the government
 (c) Highlight the achievement of the government without criticizing its policies
 (d) criticize the policies of the government
76. Telescopes are placed in space to view distant galaxies primarily to

- (a) get closer to the observed objects
- (b) avoid the absorption of light or other radiation of the atmosphere of the earth
- (c) avoid light pollution from the earth's populated areas
- (d) avoid steering the telescope against the earth's

77. SONAR is mostly used by

- (a) Doctors
- (b) Engineers
- (c) Astronauts
- (d) Navigators

78. A bucket full of water is kept in a room and it cools from $75^{\circ}C$ to $70^{\circ}C$ in time T_1 minutes, from $70^{\circ}C$ to $65^{\circ}C$ in time T_2 minutes, and from $65^{\circ}C$ to $60^{\circ}C$ in time T_3 minute, then

- (a) $T_1 = T_2 = T_3$
- (b) $T_1 < T_2 < T_3$
- (c) $T_1 > T_2 > T_3$
- (d) $T_1 < T_3 < T_2$

79. For a simple pendulum the graph between T^2 and L (where T is the time period & L is the length) is

- (a) straight line passing through origin
- (b) Parabolic
- (c) circle
- (d) None of the above

80. When an electrical safety fuse is rated (marked) as 16 A, it means it

- (a) will not work if current is less than 16 A
- (b) has a resistance of 16Ω
- (c) will work if the temperature is more than $16^{\circ}C$
- (d) will be below (break) if current exceeds 16 A

81. Who among the following was recently (may 2012) elected as Chair of the Asian Development Bank's Board of Governors?

- (a) Pranab Mukherjee
- (b) Montek Singh Ahluwalia
- (c) Duvvuri Subbarao
- (d) Aditya Puri

82. Consider the following statements :

1. Justice Dalveer Bhandari was recently elected as the President of International Court of Justice.
2. Justice Bhandari was a senior Judge of the Supreme Court of India.

Which of the following statements given above is/are correct?

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

83. Consider the following names in the field of Indian cinema:

Vidhya Balan, Soumitra Chatterjee, Tapan Sinha, VK Murthy

Which of the following statements is/are correct?

1. All of them are winners of Dadasaheb Phalke award.
2. While Tapan Sinha is a film director VK Murthy is known for cinematography.
3. Soumitra Chatterjee was the last to get the Dadasaheb Phalke award.

Select the correct answer using the code given below:

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

84. Who among the following was awarded the first Tagore Award for Cultural Harmony for the year 2012?

- (a) Jasraj
- (b) Ravi Shankar
- (c) Nilkil Banerjee
- (d) Bhimsen Joshi

85. Consider the following about the budget proposals for the year 2012-2013:

1. Service tax rate raised and covers all services including those in the negative list
2. Increase in defence allocation over the previous year.

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

86. Suppose the Naxalites have kidnapped a Deputy commissioner from Bastar region in Chhattisgarh and taken him to the Abujmed area. In return for his release the Naxals demand that all Naxal prisoners must be released from jails across India. In such a situation which among the following may be the best conflict resolution mechanism?

1. The paramilitary and local police attack the Naxalites and attempt to release the kidnapped.
2. The state forces offer huge sums of money to the Naxals as ransom and release all Naxal prisoners.
3. The state forces engaged the Naxals in a dialogue while simultaneously sending in a commando force to release the prisoners.
4. The state forces utilize local mediators to engage with the Naxals to work out a resolution process for release of the kidnapped.

Select the correct answer using the code given below:

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

87. A high level committee set up by the ministry of Housing and Urban Poverty Alleviation conducted a survey of the slum populations in India's states was identified as being the one with highest slum population?

- (a) Andhra Pradesh (b) Madhya Pradesh (c) Maharashtra (d) Tamil Nadu

88. The UN has recently passed a resolution against human right violation in a South Asian Country. Which of the following was the country?

- (a) Nepal (b) India (c) Pakistan (d) Sri Lanka

89. Prof. Vijay Raghavan an Indian scientist who has been elected Fellow of Royal Society in the year 2012 is a renowned.

- (a) Biotechnologist (b) Chemist
(c) Agricultural scientist (d) Missile engineer

90. "Operation Cactus" is the name given to Indian Military intervention in:

- (a) Maldives (b) Sri Lanka (c) Bangladesh (d) Bhutan

91. **Statement I:** Mahatma Gandhi launched the Rowlatt Satyagraha as an all-India mass Protest.

Statement II: Rowlatt Act was passed by the British Government in 1919 to authorize the Government to imprison any person without trial.

92. **Statement I:** A public expression of dissatisfaction with democracy indicates the success of the democratic project: it transforms people from the status of a subject into that of a citizen.

Statement II: The fact that people are complaining is itself an affirmation of the success of democracy: it shows that people have developed awareness and the ability to look critically at the government.

93. **Statement I:** The private trade of the East India Company's officials in the 18th century had flowered with the indirect patronage of the authorities of the company.

Statement II: The extra-legal power enjoyed by the foreign merchants and the duty-free nature of their private trade virtually edged the indigenous merchants out of competition.

94. **Statement I:** Water (H_2O) is more polar than Hydrogen Sulfide (H_2S).

Statement II: Oxygen is more electronegative than Sulfur.

95. **Statement I:** Metal ions are Lewis acids.

Statement II: Metal ions are electron pair acceptors.

96. **Statement I:** Diamond is very hard and has high melting point.

Statement II: In diamond each carbon is covalently bonded to four other carbon atoms to form a three-dimensional network.

97. Consider the following statements about the visit of Indian President Smt. Pratiba Patil to Mongolia in July 2011:

1. She became the first Indian President to make an official visit to the country.
2. In the area of defence India and Mongolia agreed to expand collaboration through increased level of Joint exercises and training.

Which of the statement given above is/are correct?

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

98. Who among following is the latest Indian to win the Pulitzer Prize for literature?

- (A) Jhumpa Lahiri (b) Geeta Anand
(c) Govind behari lal (d) Siddhartha Mukherjee

99. Indian Army counter-insurgency school situated in?

- (a) kanker (b) Srinager (c) Tezpur (d) Vairengte

100. Match List I with List II and select the correct answer using the code given below the lists:

List – I (Name of the Shipyard)

List – II (Location)

A. Hindustan Shipyard Limited

1. Kolkata

B. Garden Reach Shipbuilders & Engineers Limited

2. Vasco-da-gama

C. Goa Shipyard Limited

3. Mumbai

D. Mazagon Dock Limited

4. Visakhapatnam

Code:

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

101. Sirocco is a used to mean

- (a) a Local wind (b) a volcano (c) an island (d) an ocean current

102. Which of the following is/are the chief characteristics of commercial grain farming of the middle attitude grasslands?

1. The size of farms are generally large.
2. Cultivation is highest mechanized
3. It is a type of extensive farming.

Select the correct answer using the code given below:

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

103. Match List I with List II and select the correct answer using the code given below the lists:

List – I (Desert)

List – II (Country)

A. Kalahari

1. Angola

B. Namib

2. Sudan

C. Nubian

3. Botswana

D. Atacama

4. Chile

Codes:

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

104. Which one among the following statements relating to an anticyclone is correct?

- (a) Anticyclone is a wind system with a high pressure centre.
- (b) In anticyclone the movement of wind is inward
- (c) The contribution of an anticyclone toward determining weather of an area is quite significant
- (d) The movement of wind is clockwise in an anticyclone of southern hemisphere

105. Tipu Sulatan major interest in building ships was to

- (a) Fight the English at sea
- (b) Promote trade and commerce
- (c) Maintain diplomatic relations with Muscat (Oman)
- (d) Establish an overseas settlement at Port Basra (Iraq) which would be under his control on lines to the European companies

106. Which among the following is/are the impact/impacts of industrial revolution in England?

1. Cottage industry was replaced by the factory system of production using machines
2. It led to the over population of villages.
3. It led to the emergence of working class movements.

Select the correct answer using the code given below:

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

107. The international body which was formed in European (in 1889) to coordinate the efforts of socialists all over European was called

- (a) Social Democratic Party (b) Commune
- (c) Second international (d) Labour Party

108. Which of the following statements with regard to the federal System is/are correct?

1. In a federation two sets of governments co-exist and there is distribution of power.
2. There is a written constitution.

Select the correct answer using the code given below:

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

109. The common edible mushroom is a

- (a) mass of fungal spores (b) Type of hypha
- (c) Tightly packed mycelium (d) structure used for producing asexual spores

110. A biogeography region with significant reservoir of biodiversity that is under threat from humans is called as

- (a) Bioendangered region (b) biodiversity hotspot
- (c) Biodiversity reservoir (d) environmentally endangered region

111. The main function of the inner bark of a woody plant is to.

- (a) Transport minerals and water from the roots to the leaves
- (b) act as a membrane impermeable to water and gas
- (c) Transport food from the leaves to the other parts of the plant

(d) Protect the plant from herbivorous animals

112. Birds like flamingos can stand on one leg which among the following statements relating to this is/are correct

1. By standing on one leg flamingos can conserve body heat and energy because they can reduce great deal of surface area for the loss of heat.
2. By standing on one leg one Flamingo makes a courtship display which is a part of ritual prior to reproduction.

Select the correct answer using the code given below:

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

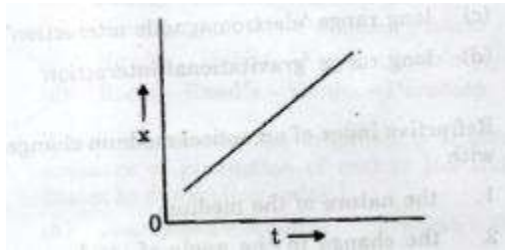
113. Which one among the following is the largest monkey?

(a) Spider Monkey (b) Baboon (c) Gorilla (d) Howler monkey

114. Two copper wires A and B length l and $2l$ respectively have the same area of cross-section. The ratio of the resistivity of wire A to the resistivity of wire B is

(a) 4 (b) 2 (c) 1 (d) $\frac{1}{2}$

115. The position-time ($x-t$) graph for motion of body is given below:



Which one among the following is depicted by the above graph?

(a) Positive acceleration (b) Negative acceleration
(c) Zero acceleration (d) none of these

116. Which one among the following waves are called waves of heart energy?

(a) Radio waves (b) Infrared waves (c) Ultraviolet waves (d) Microwaves

117. The phenomenon of trade wind takes place due to.

(a) Conduction of heat (b) convection of heat
(c) Radiation (d) None of these

118. Ultrasonic waves are those sound waves having frequency?

(a) Between 20 hertz and 1000 hertz
(b) Between 1000 hertz and 20000 hertz
(c) More than 20 kilohertz
(d) Less than 20 hertz

119. Bases turn red litmus blue and acid turn blue litmus red A student tested a liquid with a red litmus paper and it stayed red with no change. This shows that the liquid

(a) must be pure water (b) must be an acid
(c) is not a base (d) is neither a base nor an acid

120. The main constituent of vinegar is

(a) Citric Acid (b) Acetic Acid (c) Ascorbic Acid (d) Tartaric Acid

121. The major component used in preparation of different types of glasses is

(a) Silica (b) Sodium borate (c) Calcium silicate (d) Sodium silicate

122. All the elements in a group (family) have a common valency. Four however some of these elements can also have valency two which of the following can have valency two.

(a) Silicon germanium and tin (b) Only germanium and tin
(c) Germanium tin and lead (d) only tin and lead

123. Match List I with List II and select the correct answer using the code given below the lists:

List – I (Metallic oxide) List – II (colour imparted to glass)

A. Uranium oxide	1. Red
B Cuprous oxide	2. Blue
C. Cobalt oxide	3. Green
D. Chromium oxide	4. Yellow

Codes:

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

124. The image formed by a convex mirror of a real object is larger than the object

(a) when $u < 2f$ (b) when $u > 2f$
(c) for all values of u (d) for no value of u (u =object, f = focal length)

125. Protons and neutrons are bound in a nucleus by the

(a) Short range weak interaction (b) short range strong interacting
(c) Long range electromagnetic (d) Long range gravitational interaction

126. Refractive index of an optical medium changes with.

1. The nature of the medium.
2. The change in the angle of incidence of the ray.
3. Colour of the incident ray

Select the correct answer using the code given below:

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

127. A one rupee coin is placed at the bottom of a vessel. Water is then poured into the vessel such that the depth of water becomes 20 cm. If water be seen at a depth of

(a) 20 cm (b) about 26 cm (c) 15 cm (d) 25cm

128. Momentum of a body is

1. A vector quantity
2. A conserved quantity in an isolated system.
3. Same as force in linear motion.

Select the correct answer using the code given below.

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

129. Which one among the following is a correct sequence of the Indian ports from north to south?

(a) Haldia – Kandla – Paradeep – Kochi
(b) Kandla – Haldia – Pradeep – kochi
(c) Kandla – Haldia – Kochi – Pradeep

(d) Kochi – kandla – haldia – Pradeep

130. Which one among the following is a correct sequence of the production of coal in the Indian States in descending order?

- (a) Jharkhand – Madhya Pradesh – west Bengal – Meghalaya
- (b) West Bengal – Madhya Pradesh – Jharkhand – Meghalaya
- (c) Jharkhand – west Bengal – Meghalaya – Madhya Pradesh
- (d) Madhya Pradesh – Jharkhand – west Bengal – Meghalaya

131. Match List I with List II and select the correct answer using the code given below the lists:

List – I (mineral)	List – II (State)
A. Bauxite	1. Andhra Pradesh
B. Mica	2. Orissa
C. Copper	3. Madhya Pradesh
D. Zinc	4. Rajasthan

Code:

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

132. The western coasts of India receive very high rainfall in summer mainly due to

- (a) Tropical location
- (b) Nearness to sea
- (c) western Ghats
- (d) Himalayas

133. The current produced by upwelling of cold water off the coast of Chile and Peru is known as

- (A) El Niño
- (b) Humboldt Current
- (c) Agulhas current
- (d) Canary current

134. If the ratio of the weight of a man in a stationary lift and when it is moving downward with uniform acceleration 'a' is 3:2 then the value of 'a' is

- (a) $3g/2$
- (b) $g/3$
- (c) g
- (d) $2g/3$

135. A body is thrown upward against the gravity 'g' with initial velocity 'u' which one among the following is the correct expression for its final velocity when it attains the maximum height?

- (a) $u^2/(2g)$
- (b) $2g/u^2$
- (c) $u^2g/2$
- (d) $u^2g/2$

136. Which one among the following is the correct value of the gravitational force of the Earth acting on a body of mass 1 kg?

- (a) 8.9 N
- (B) 9.8 N
- (c) 89 N
- (d) 98 N

137. A neutral (uncharged) metal ball is suspended using a non-magnetic rod. It is placed near the rod which is observed to be attracted to the rod. This is because

- (a) The ball becomes positively charged by induction
- (b) The ball becomes negatively charged by induction
- (c) There is a rearrangement of the electrons in the ball
- (d) The number of electrons in the ball is more than number of electrons on the rod

138. It is impossible for two oscillators each executing simple harmonic motion to remain in phase with each other if they have different

- (a) Time periods
- (b) amplitudes
- (c) Spring constants
- (d) Kinetic energy

139. Identify the correct sequence of the following events of Indian history:

1. Foundation of the Indian Muslim league
2. Surat Split
3. Partition of Bengal
4. Transfer of capital from Calcutta to Delhi

Select the correct answer using the code given below.

- (a) 1-2-3-4 (b) 2-3-4-1 (c) 3-1-2-4 (d) 4-3-2-1

140. Neel Darpan is a play based on the story of Indigo Rebellion of Bengal of 1860 – 61. Who authored?

- (a) Dinabandhu Mitra
 (b) Bankim Chandra Chattopadhyaya
 (c) Sisir Kumar Ghosh and motilal Ghose jointly
 (d) Madhusudhan Dutta

141. Which one among the following is not the characteristic feature of the Harappan settlement?

- (a) Doorways and windows generally faced the side lane and rarely opened onto the main streets
 (b) Houses generally had separate bathing areas and toilets
 (c) The citadel was walled but the lower town was not walled
 (d) Drain and water chutes from the second story were often built inside the wall

142. Which one among the following is not true with regard to Rig Veds Samhita?

- (a) There are about 300 non-Indo-European words in Rig Veda
 (b) There is a reference to Dasarajna (battle of ten kings) in the Rig Veda
 (c) It is mentioned in the Rig Veda that the Bharata chief Sudas fought against a confederacy of ten tribes
 (d) Purus sided with Bharata in the battle of ten kings

143. The First Anglo – Burmese War was concluded by a treaty. Which one among the following is that?

- (a) Treaty of Bhamo (b) Treaty of Yandaboo
 (c) Treaty of Bhamo (d) Treaty of Yandaboo

144. Rain shadow effect associated with

- (a) Cyclonic rainfall (b) Orographic rainfall
 (c) Convective rainfall (d) Frontal rainfall

145. Match List I with List II and select the correct answer using the code given below the lists:

List – I (current)

List – II (feature)

- | | |
|---------------------|---------------------------------------|
| A. Kuroshio current | 1. Warm current in the Atlantic Ocean |
| B. Peru Current | 2. Cold current in the Atlantic Ocean |
| C. Labrador current | 3. Warm current in the Pacific Ocean |
| D. Florida current | 4. Cold current in the Pacific Ocean |

Code:

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

146. The intensity of insolation depends on

- (a) Altitude (b) nature of terrain (c) wind (d) Latitude

147. Which of the following statements is/are correct?

1. Cyclone is a low pressure system

2. The wind movement is clockwise in the cyclone of northern hemisphere

Select the correct answer using the code given below:

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

148. Which one of the following processes of weathering belongs to both mechanical and chemical weathering?

(a) Crystallization (b) Exfoliation (c) Hydration (d) Carbonation

149. A man was trapped in a room of a building which was up in flames. Fire-fighters had to break window panes which were filled in smoke to take him out. Once the injured person is out he should be observed/treated for

(a) Superficial burn wound (b) Electric burn wound

(c) Respiratory burn (d) Internal organ injury

150. AIDS is caused by Human Immunodeficiency Virus (HIV) which is

(a) Retro virus (b) Lente virus (c) Arbo virus (d) Immune virus