

NDA ENGLISH

1. None of these applicants have turned have turned up (a) / for the interview (b)/ on time (c)/ No error (d).
2. Her mother did not reply (a)/ when I asked her (b)/ why was she weeping (c)/ No error (d)
3. The oxygen content of mars is not (a)/ sufficient enough to support life(b)/ as we know it (c)/ No error (d)
4. He told his friends that (a)/ each of them (b)/ should be able to carry out the orders oneself (c)/ No error (d)
5. If the police would have worked (a)/in time (c)/the riot would not have occurred (c)/ No error (d)
6. The flag is risen in the morning (a)/ and taken down at night (b)/ by the guards (c)/ No error (d)
7. I have seen him (a)/ going to the theatre (b)/with his friends yesterday evening (c)/ No error (d)
8. He was charged of murder (a)/though the evidence did everything (b)/to convince the judge of his innocence (c)/ No error (d)
9. Neither he nor his brother (a)/is a good student (b)/ but both are good players (c)/ No error (d)
10. He has taken charge (a)/ as principal of our college (b)/ three years ago (c)/ No error (d)

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

11. MOMENTOUS change are talking place in the social and economic life of India.

- (a) Notorious (b) momentary (c) official (d) enormous

12. His condition DETERIORATED day by day.

- (a) went bad (b) grew worse (c) went down (d) enormous

13. She is party INSIPID young lady.

- (a) clever (b) lazy (c) dull (d) lean

14. It is the difficulty or SCARCITY of a thing that it makes it precious.

- (a) poverty (b) absence (c) insufficiency (d) disappearance

15. We should not allow ADVERSITY to discourage us.

- (a) poverty (b) darkness (c) time of trouble (d) unfriendly criticism

16. He is very OBLIGING by nature.

- (a) helpful (b) nice (c) thankful (d) compelling

17. she thought that RUNINIG INTO her old friend was a stroke of fate.

- (a) meeting by chance (b) colliding (c) travelling with (d) Quarrelling with

18. He was a CHARISMARIC leader.

- (a) Exceptionally fascinating (b) particularly popular
(c) compulsively pleasant (d)strangely haunting

19. She was completely ENGROSSED in her work.

- (a) disturbed (b) absorbed (c) fatigued (d) successful

20. He is an INDEFATIGABLE worker.

- (a) tired (b) tireless (c) brave (d) skilful

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

21. A small ALTERCATION between the children started off a riot.
 (a) Quarrel (b) friendly discussion (c) contest (d) race
22. He agreed reluctantly to sign the form but looked ILL AT EASE.
 (a) Embarrassed (b) comfortable (c) welcome (d) easy
23. My mother has been working hard for the last two weeks and she feels RUN DOWN.
 (a) energetic (b) cold (c) emotional (d) morbid
24. The three states signed a pact to have COLLECTIVE economy.
 (a) distributive (b) disintegrative (c) individual (d) divided
25. He was deeply hurt by her CURT reply.
 (a) abrupt (b) short (c) expansive (d) rude
26. He was asked to ABDUCTED the pace of work.
 (a) check (b) control (c) slacken (d) supervise
27. The child was ABDUCTED when he was going to school
 (a) seized (b) set free (c) kidnapped (d) ransomed
28. The baby has a very DELICATE body.
 (a) crude (b) strong (c) hard (d) bony
29. The government has ENHANCED the tuition fees in school and colleges.
 (a) magnified (b) aggravated (c) decreased (d) augmented
30. He aims at PERFECTION in whatever job he undertakes.
 (a) deficiency (b) immaturity (c) badness (d) completeness

In the following sentences. some parts of the sentence have jumbled up. You are required to rearrange these parts which are labeled P, Q, R, S to produce the correct sentence. Choose the proper sequence and mark in your answer sheet accordingly.

31. He had (P)/ 'no' to him (Q)/ such a winning smile (R)/ that I could not say (S)

The correct sequence should be

- (a) Q P R S (b) R P Q R (c) S P Q R (d) P R S Q

32. he nodded (P)/ he understood (Q)/ as though(R)/ everything (S)

The correct sequence should be

- (a) P R Q S (b) P S Q R (c) Q R S P (d) S P R Q

33. the child burned down (P)/ the house (Q)/ by playing (R)/ with matches (S)/

The correct sequence should be

- (a) R S P Q (b) Q S P R (c) Q R S P (d) S P R Q

34. in his innocence (P)/ I believed (Q)/ of the charge (R)/ and acquittal (S)

The correct sequence should be

- (a) S Q R P (b) Q P S R (c) P R S Q (d) R P Q S

35. My little sister in school (P)/ instead of reading books (Q)/ who was quite intelligent (R)/ played with dolls (S)

The correct sequence should be

- (a) P R S Q (b) R S P Q (c) Q P S R (d) P R Q S

36. for having stood first (P)/ last year (Q)/ at the B.A examination (R)/ he was awarded gold medal (s)

The correct sequence should be

- (a) P Q R S (b) S P R S (c) P R Q S (d) S R Q P

37. We are proud that as our chief guest (P)/ our Mayor (Q)/ is a former student of this college (R)/ who is presiding over today's function (S)

The correct sequence should be

(a) P Q R S (b) Q P S R (c) P Q S R (d) Q S P R

38. At the end of the morning exercise, the soldiers (P)/ to get ready to leave (Q)/ were asked (R)/ for an unknown destination (S)

The correct sequence should be

(a) P Q R S (b) R S P Q (c) S R Q P (d) P R Q S

39. After having got up from bed the Magistrate (P)/to bring coffee (Q)/ ordered the attendant (R)/ immediately (S)

The correct sequence should be

(a) P Q R S (b) S P Q R (c) S P R Q (d) P R Q S

40. to resolve it (P)/than (Q)/ it is easier (R)/ to talk about a problem (S)

The correct sequence should be

(a) R P Q S (b) Q P R S (c) P Q R S (d) R S Q P

41. to my client (P)/ that I speak (Q)/ immediately (R)/ it is important (S)

The correct sequence should be

(a) S R Q P (b) S Q P R (c) S P Q R (d) P S Q R

42. You had better of getting a good response (P)/ so that (Q)/ we will be sure (R)/ work hard (S)

The correct sequence should be

(a) R S Q P (b) S Q R P (c) S Q P R (d) R P Q S

Read the following 2 passages and answer the questions that follow each passage:

PASSAGE - I

There was a farewell ceremony on her last day at school, to which my parents and I were invited. It was a touching ceremony in a solemn kind of way. The City Corporation sent a representative and so did the two main poetical parties. There were many speeches and my grandmother was garlanded by a girl from every class. Then the head-girl, a particular favorite of hers, unveiled the farewell present the girls had bought for her by subscription. It was a large marble model of the Taj Mahal; it had a bulb inside and could be lit up like a table lamp. My grandmother made a speech too, but she couldn't finish it properly, for she began to cry before she got to the end of it and to stop to wipe away her tears. I turned away when she began dabbing at her eyes with a huge green handkerchief, and discovered, to my surprise, that many of the girls sitting around me were wiping their eyes too. I was very jealous, I remember. I had always taken it for granted that it was my own special right to love her; I did not know how to cope with the discovery that my right had been infringed by a whole school.

43. The farewell ceremony described in the passage is for them.

- (a) author's mother used to teach a his/her school
- (b) mother of head-girl teaching at her school
- (c) grandmother of head-girl no longer teaching at her school
- (d) grandmother of the author who used to teach at his/her school

44. The farewell ceremony made everyone feel

- (a) sad (b) unhappy (c) happy (d) bad

45. Before the writer attended the ceremony he/she had thought

- (a) he/she was the only child who loved his/her grandmother
- (b) all the girls in the school loved his/her grandmother
- (c) only a few girls in the school loved his/her grandmother
- (d) only his/her parents loved his/her grandmother

Passage - II

It is no doubt true that we cannot go through life without sorrow. There can be no sunshine without shadow, we must not complain that roses have thorns but rather be grateful that thorns bear flowers. Our existence here is so complex that we must expect much sorrow and suffering. yet it is certain that no man was ever discontented with the world who did his duty in it. The world is like a looking glass; if you smile, it you frown, it frown back. Always try, then, to look at the bright side of things. there are some persons whose very presence seems like a ray of sunshine and brightens the whole room. Life has been described as a comedy to those who think and a tragedy to those who feel.

46. The author says that we cannot go through life without sorrow because
- (a) it is our fate
 - (b) we are always discontented
 - (c) life is a tragedy
 - (d) human life is very complex
47. According to the author no man can be discontented with the world if he
- (a) is determined to be happy
 - (b) is sincere in discharging his duties
 - (c) has a healthy attitude to life
 - (d) likes sunshine
48. The expression "life is a tragedy to those who feel" means that it is a tragedy to those who
- (a) think about the world
 - (b) believe in fate
 - (c) do not understand the world
 - (d) are sensitive and emotional
49. The author says, "There are some persons whose very presence seems like a ray of sunshine and brightens the whole room", The reason for this is that they.
- (a) have the capacity to love
 - (b) talk more of roses and less of thorns
 - (c) are happy and spread happiness
 - (d) look good and behave well
50. What is the author's message in this passage?
- (a) Look at the bright side of things
 - (b) Our existence is so complex
 - (c) The world is a looking glass
 - (d) Expect much sorrow and suffering
51. Where was the 10th Indian Science Congress organized this year?
- (a) Jalandhar
 - (b) Bengluru
 - (c) Delhi
 - (d) Varanasi
52. RBI constituted a committee to give suggestions on digital payments headed by-
- (a) Vinod Roy
 - (b) Shubhash Kashyab
 - (c) V. K Rau
 - (d) Nadan Nilekeni
53. Indian Navy commissioned the Naval Air Station Shibpur in the north Andamans into a full-fledged base as?
- (a) INS Kohassa
 - (b) INV Toran
 - (c) INS Andy
 - (d) INS Vikrant
54. ISRO successfully launched Kalamsat and Microsat-R are?
- (a) Imaging, Communication
 - (b) Communication and imaging satellites respectively
 - (c) Weather Communication
 - (d) Weather, imaging
55. Which country replaced Japan to be the second largest steel producing country in 2018?
- (a) India
 - (b) China
 - (c) USA
 - (d) England
56. Who has been honored with the Rosa Park Trailblazer award?

- (a) Rakesh Rai (b) Gurinder singh (c) Anup kumkar (d) Rishi Roy
57. Who has become the first cricketer to win three top ICC honors in Single year?
(a) Rohit Sharma (b) M.S. Dhoni (c) Yuvraj (d) Virat Kohli of India
58. Which country retained its top spot on the EIU Global Democracy Index for 2018?
(a) Netherlands (b) hungry (c) Norway (d) Germany
59. Who is the first Asian player elected to the International Tennis Hall of Fame?
(a) Li Na of china (b) Sania Mirza (c) Kiniko date (d) Mahesh Bhupathi
60. Who has emerged Champion of the Australia Open Men's Singles title -2019?
(a) Lender Pase Of India (b) Novak Djolovic of Serbia
(c)Rabael Nodal (d) None of these
61. Indian Coast Guard Commissioned ICGS Priyadarshini which is the first of
(a) The class 01 fast Patrol vessels (b) The class 05 fast Patrol Vessels
(c)The class 04 Fast Patrol vessels (d) The class 06 Fast Patrol Vessels
62. IRDAI set up a committee, to review micro insurance frame work chaired by
(a) Nandan Nilkarni (b) U.C. Joshi (c) Nachiket Mor (d) Suresh Mathur
63. Which team cliche'd Santosh Trophy 2018-2019?
(a) Services (b) Punjab (c) Karnataka (d) None of these
64. Who become the new Presi-dent of the Word Bank?
(a) Jim Yong Kim (b) Robert Azenedo (c) David Malpass (d) Davis Moor
65. Who has been elected the new President of Ukaine
(a) petro Porsoshenko (b) Volodymyr Zelenky
(c) Jim Roberto (d) David Shemro
66. Who has been honored with the 71st World Press Freedom Hero Award of IPL?
(a) Syed Ahmed of Pakistan (b) Cyril Almeida of Pakistan
(c) Margret Bowl of USA (d) Nick Peters of Australia
67. Which country retained its top position on the world Press Freedom index, 2019?
(a) Norway (b) Swedon (c) Finland (d) Switzerland
68. Sri Lanka and Nepal launched their first satellites into space. The name of satellites are.
(a) Raavana-1 of Sri Lanka and Nepali sat-of Nepal
(b) Rawan-1 of Sri Lanka, Nepali-1 of Nepal
(c) Raween-1 of Sri Lanka, NPL-1 of Nepal
(d) None of these
69. Who has been appointed as the chairperson of NBSA?
(a) Justice A.K Sikri (b) Justice Kurian Joseph
(c) Justice Deepak Mishra (d) Justice Indu Malhotra
70. Who becomes the new chairman of Chiefs of Staff Committee' (COSC)?
(a) Air Chief Marshal Anil Joshi (b) Air Chief Marshal Vinod Dua
(c) Air Chief Marshal B.S. Dhanoa (d) None of these

PART – B

71. Statement I: Red blood cells burst when placed in water.
Statement II: Due to the phenomenon of osmosis water enters into red blood cells.

72. Statement I: Indigo formed the basis of a flourishing sector of commercial agriculture by the beginning of the 19th century.

Statement II: The Indigo commission into the grievances of the indigo cultivators in 1860.

73. Which one among the following water borne diseases is not caused by a bacteria?

- (a) Cholera (b) Typhoid (c) Bacillary dysentery (d) Hepatitis A

74. The process of conventional earlobe piercing does not lead to bleeding. This is because the

- (a) Heart does not supply blood to earlobes
(b) Cartilage found in earlobe has lesser blood supply unlike other body parts
(c) Earlobes consist of dead non dividing tissue
(d) Needle used for ear piercing is sterilized

75. After entering the human body through mosquito bite, the malarial parasite (plasmodium) shows initial multiplication in.

- (a) Spinal Chord (b) Blood (c) Liver (d) Spleen

76. Which one among the following parts of blood carries out the function of body defense?

- (a) Platelets (b) White Blood Cells (c) Hemoglobin (d) Red blood Cells

77. Which one among the following is not included in the major clinical sign as a case definition of AIDS in children <12 years of age?

- (a) Persistent cough for more than 1 month (b) Loss of weight
(c) Chronic diarrhea (d) Prolonged Fever

78. Polio disease is caused by.

- (a) Bacteria (b) Fungi (c) Virus (d) Worm

79. Which one among the following is the hardest part of our body?

- (a) Skull bones of head (b) Thumb nails
(c) Enamel of teeth (d) Spinal vertebra

80. Which of the following is present in animal cells?

- (a) Mitochondria, Cell membrane, Cell wall, cytoplasm
(b) Chloroplasts, Cytoplasm, Vacuole, Nucleus
(c) Nucleus, Cell membrane, Mitochondria, Cytoplasm
(d) Vacuole, Cell membrane, Nucleus, Mitochondria

81. Which one among the following statements is correct?

- (a) Glucose is broken down into glycerol
(b) Glucose is converted into glycogen
(c) glucose is broken down into carbon dioxide and water
(d) Proteins are broken down into amino acids.

82. Which one among the following rocks does not belong to the same group?

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

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

List – I

List – II

(World Heritage site)

(State)

A. Brihadisvara Temple

1. Maharashtra

B. Ellora Temple

2. Karnataka

C. Hampi

3. Tamil Nadu

D. Mahabodhi 4. Bihar

Code:

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

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

List – I

(Himalayan Peak)

A. K2

B. Ndan Devi

C. Tara Pahar

D. Kanchenjunga

List – II

(Peak)

1. Uttarakhand

2. Jammu & Kashmir

3. Sikkim

4. Himachal Pradesh

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

85. The Deccan Trap Formation was caused by:

- (a) Shield eruption (b) Composite eruption
(c) Caldera eruption (d) Flood basalt eruption

86. Which of the following statement is/are correct?

1. Inter-Tropical Convergence Zone is a low pressure belt which forms an important zone of contact over Northern India and Pakistan.
2. Inter-Tropical Convergence Zone invites of winds from different directions.

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

87. Consider the following characteristics of industries:

1. They can be located in a wide variety of places.
2. They are not Dependent on any specific raw material.
3. They are generally not polluting industries.
4. The most important factor in their location is accessibility.

Which one of the following types of industries has the above characteristics?

- (a) market oriented (b) Foot loose (c) Sunset (d) Sunrise

88. Consider the following statement regarding El Nino effect on Indian Monsoon:

1. The surface temperature goes up in the southern Pacific ocean and there is deficient rainfall in India.
2. The walker Circulation shifts eastward from its normal position and reduce monsoon rainfall in India.

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

89. In which among the following terrains the bore wells and canals can be dug easily?

- (a) Gneiss, Granites and basaltic terrain of Peninsular India

- (b) Rolling and dotted hilly terrain of north-east India
- (c) Soft alluvium of the Northern Plains
- (d) Confined aquifer below the normal water table

90. Wide range and variability in rainfall, torrential in character, reversal of winds and uncertain arrival are the characteristics of-

- (a) Westerlies (b) Trade winds (c) Monsoon (d) Anti trade winds

91. Which of the following statement is/are correct?

1. The local time of Itanagar (Aunachal Pradesh) is about two hours ahead than Dwarka (Gujarat)
2. The local time at Chennai (Tamil Nadu) and Lucknow (Uttar Pradesh) is almost same.
3. The local time of Mumbai (Maharashtra) is one hour ahead than Kolkata (west Bengal).

Select the correct answer using the code given below:

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

92. Mackerel sky is associated with cloud type

- (a) Cumulo-nimbus (b) Strato-cumulus (c) Alto-cumulus (d) cirro-cumulus

93. The average surface temperature of the earth's surface is

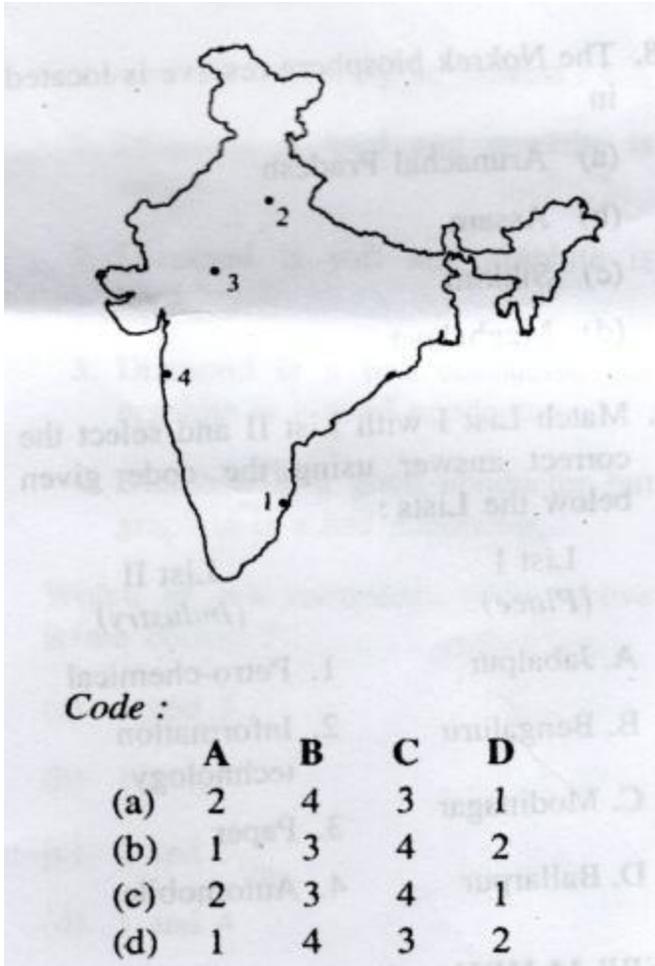
- (a) $10^{\circ}C$ (b) $15^{\circ}C$ (c) $8^{\circ}C$ (d) $5^{\circ}C$

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

List – I (Atomic power station)

- A. Narora
- B. RAna Pratap sagar
- C. TArapur
- D. Kalpakkam

List – II (Position in map)



95. Ferral's law is related to deflection of

- (a) cold air-mass (b) hot air mass
 (c) monsoon air-mass (d) trade wide and ocean currents

96. The grassland region of south Africa is known as

- (a) Selvas (b) Downs (c) Veldt (d) Llanos

97. In India the Tropical Savanah (AW) type of climate prevails largely in

- (a) Rajasthan desert region (b) Peninsular plateau region
 (c) Jammu & Kashmir (d) North-eastern region

98. The Nokrek biosphere reserve is located in

- (a) Arunachal Pradesh (b) Assam (c) Sikkim (d) Meghalaya

99. Match List I with List II and select the correct answer using the code given below the Lists

List - I (Place)	List - II (Industry)
A. Jabalpur	1. Petro-Chemical
B. Bangalore	2. Information Technology
C. Modinagar	3. Paper
D. Ballarpur	4. Automobile

Code:

- A B C D

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

100. Where is Aghil Pass Located?

- (a) Nepal Himalayas (b) Sikkim Himalayas
 (c) Eastern Himalayas (d) Trans Himalayas

101. Match List I with List II and select the correct answer using the code given below the Lists

- | | |
|------------------|----------------------|
| List – I (River) | List – II (Sea) |
| A. Volga | 1. Sea of Azov |
| B. Dnieper | 2. Black Sea |
| C. Rhine | 3. Caspian Sea |
| D. Don | 4. Mediterranean Sea |

Code:

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

102. Which one among the following transition is associated with the largest change in energy in hydrogen atom?

- (A) $n = 5$ to $n = 3$ (B) $n = 2$ to $n = 1$
 (C) $n = 3$ to $n = 2$ (D) $n = 4$ to $n = 2$

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

- | | |
|----------------------------------|-----------------|
| List – I (Compound) | List – II (Use) |
| A. Cellulose | 1. Soft soap |
| B. Potassium | 2. Gun powder |
| C. Potassium salt of fatty acids | 3. Fertilizer |
| D. Calcium oxide | 4. Glass |

Code:

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

104. Which one among the following does not have an allotrope?

- (a) Oxygen (b) Sulfur (c) Nitrogen (d) Carbon

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

- | | |
|----------------------|-----------------------|
| List – I (Scientist) | List – II (Discovery) |
| A. Goldstein | 1. Atomic theory |
| B. Chadwick | 2. Proton |
| C. J.J Thomson | 3. Neutron |

D. Jonh Dalton

4. Electron

Code:

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

106. Consider the following statements:

1. Diamond is hard and graphite is soft.
2. Diamond is soft and graphite is hard.
3. Diamond is a bed conductor but graphite is a conductor.
4. Diamond is a good conductor but conductor graphite is a bed conductor.

Which of the statements given above is/are correct?

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

107. The most important raw material used in the manufacture of cement are

- (a) Potassium nitrate charcoal and sulfur
(b) Limestone clay and gypsum
(c) Transition metal oxides sodium hydroxide or potassium hydroxide
(d) Limestone sodium carbonate and silica

108. Which one among the following equations is correctly balanced?

- (a) $\text{NaOH} + \text{Al} + \text{H}_2\text{O} \rightarrow 2\text{H}_2 + \text{NaAlO}_2$
(b) $2\text{NaOH} + 2\text{Al} + 2\text{H}_2\text{O} \rightarrow 3\text{H}_2 + 2\text{NaAlO}_2$
(c) $2\text{NaOH} + 2\text{Al} + 3\text{H}_2\text{O} \rightarrow 4\text{H}_2 + 2\text{NaAlO}_2$
(d) $2\text{Na OH} + 2\text{Al} + \text{H}_2\text{O} \rightarrow \text{H}_2 + 2\text{NaAlO}_2$

109. Tree elements Na, S and O combine to form a compound Na_2SO_3 . What is the valence of S in this compound?

- (a) 2+ (b) 4+ (c) 6+ (d) 8+

110. Which one among the following is the equivalent weight of Sulfuric acid?

(Atomic weight : H = 1, S = 32, O = 16)

- (A) 98 (b) 60 (c) 100 (d) 49

111. Deionised water is produced by

- (a) Calgon process (b) ion-exchange resin process
(c) Clark's process (d) permuted process

112. Which one among the following is a double salt?

- (a) $\text{K}_4[\text{Fe}(\text{CN})_6]$ (b) $\text{K}_2\text{SO}_4 \cdot \text{Al}_2(\text{SO}_4)_3 \cdot 24\text{H}_2\text{O}$
(c) $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ (d) NaCl

113. Which one among the following is the correct order of strength of acids?

- (a) $\text{H}_2\text{SO}_4 > \text{H}_3\text{PO}_3 > \text{CH}_3\text{COOH}$
(b) $\text{H}_3\text{PO}_3 > \text{H}_2\text{SO}_4 > \text{CH}_3\text{COOH}$
(c) $\text{CH}_3\text{COOH} > \text{H}_3\text{PO}_3 > \text{H}_2\text{SO}_4$
(d) $\text{CH}_3\text{COOH} > \text{H}_2\text{SO}_4 > \text{H}_3\text{PO}_3$

114. Given below is an approximate composition of a substance:

CaO 60-70%

SiO₂ 20-25%

Al₂O₃ 5-10%

Fe₂O₃ 2-3%

The substance is

(a) Plaster of Paris (b) Cement (c) Marble stone (d) Quartz

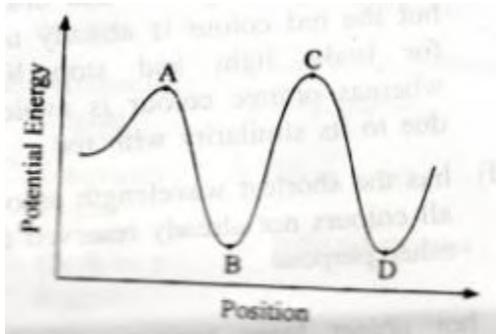
115. In KMnO₄ Molecule the oxidation states of the elements Potassium (K). Manganese (Mn) and Oxygen (O) are respectively

(a) +1, +5, -2 (b) +1, +7, -2 (c) 0, 0, 0 (d) +1, +7, 0

116. Air is

(a) always a compound (b) always a mixture
(c) a compound in Pollution free zones (d) a mixture in industrial Zones

117. Consider the following figure:



Which of the following labeled points in the figure given above indicate unstable state of an object?

(a) Point A only (b) Point B only (c) Points A and C (d) Points B and D

118. Which one among the following is an electrochemical cell that cannot be charged?

(a) Electrolytic cell (b) Storage Cell (c) Primary cell (d) Fuel cell

119. Which one among the following is the correct order of power consumption for light of equal intensity?

(a) CFL tube < Fluorescent tube < Incandescent bulb < Light emitting diode
(b) Light emitting diode < CFL tube < Fluorescent tube < Incandescent bulb.
(c) CFL tube < Fluorescent tube < Light emitting diode < Incandescent bulb
(d) Incandescent bulb < Light emitting diode < Fluorescent tube < CFL tube.

120. One feels heavier in a lift when the lift.

(a) is going down steadily (b) Just begins to go up
(c) is moving up steadily (d) descends freely

121. A Swinging pendulum has its maximum acceleration at

(a) The bottom of the swing (b) The two extremities of the swing
(c) Every point on the swing (d) No particular portion of the pendulum

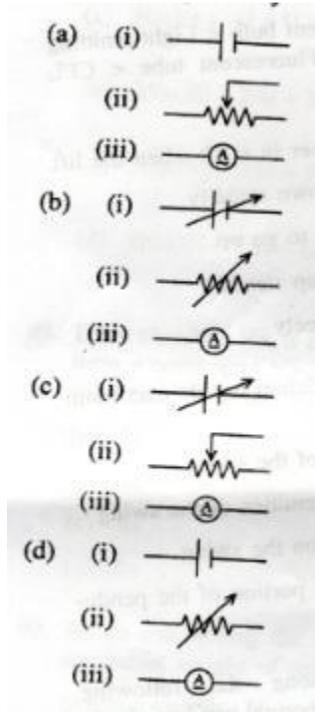
122. Which one among the following statements about thermal conductivity is correct?

(a) Steel > Wood > Water (b) Steel > Water > Wood
(c) Water > Steel > Wood (d) Water > wood > Steel

123. The process of nuclear fusion in the sun requires.

- (a) Very high temperature and very high pressure
- (b) Low temperature and high pressure
- (c) High temperature and low pressure
- (d) Very high temperature and no pressure

124. Which one among the following is the true representation of (i) variable DC Potential (ii) rheostat and (iii) AC Ammeter respectively



125. In India distribution of electricity for domestic purpose is done in the form of.

- (a) 220 V; 50 Hz
- (b) 110 V; 60Hz
- (c) 220 V; 60Hz
- (d) 110 V; 50 Hz

126. The earth's magnetic field is approximately;

- (a) 1 Tesla
- (b) 2 Gauss
- (c) 10^4 Tesla
- (d) 1 gauss

127. Yellow colour light is used as fog light because yellow colour

- (a) Light is most scattered by fog
- (b) has the longest wavelength among all colours
- (c) has the longest wavelength among all colours except red and orange but the red colour is avoided due to its similarity with red
- (d) has the shortest wavelength among all colours not already reserved for other purpose

128. A hot object loses heat to its surroundings in the form of heat radiation. The rate of loss of heat depends on the.

- (a) Temperature of the object
- (b) temperature of the surroundings
- (c) Temperature difference between the object and its surroundings
- (d) Average temperature of the object and its surrounding

129. The mirror used for the head light of a car is-

- (a) spherical concave
- (b) plane
- (c) cylindrical
- (d) parabolic concave

130. An iron ball and a wooden ball of the same radius are released from a height 'H' in vacuum. The time taken to reach the ground will be

- (a) more for the iron ball (b) more for the wooden ball
 (c) equal for both (d) in the ratio of their weights

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

List – I (Magnet)	List – II (Property)
A. Artificial Magnet	1. Long lived
B. Permanent Magnet	2. Last for infinitely long period
C. Temporary Magnet	3. Short lived
D. Earth as a Magnet	4. Induced Magnet

Codes:

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

132. A body weight 5 kg on equator. At the poles it is likely to weight

- (a) 5 kg (b) Less than 5 kg but not zero (c) 0 kg (d) more than 5 kg

133. The polarity of an unmarked horse shoe magnet can be determined by using

- (a) A charged glass rod (b) A magnet compass
 (c) an electroscopes (d) Another unmarked bar magnet

134. A staircase has 5 steps each 10 cm high and 10 cm wide. What is the minimum horizontal velocity to be given to the ball so that it hits directly the lowest plane from the top of the staircase? ($g = 10ms^{-2}$)

- (a) $2ms^{-1}$ (b) $1ms^{-1}$ (c) $\sqrt{2}ms^{-1}$ (d) $\frac{1}{2}ms^{-1}$

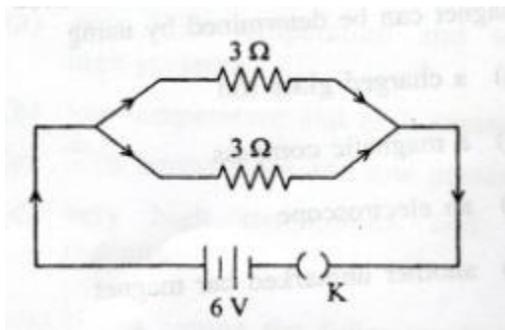
135. Consider the following statements:

1. If piece of bar magnet is broken into two equally long pieces the pieces will not lose the magnetic properties.
2. Magnetic properties of a substance lie in the atomic level.

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

136. Consider the following circuit:



The current flowing through each of the resistors connected in the above circuit is-

(a) 2A (b) 1A (c) 9A (d) 4A

137. Consider the following statements:

The state government shall appoint a Finance Commission to review the financial position of the Panchayats and to make recommendations as to.

1. the distribution between the state and Panchayats of the net proceeds of taxes, tolls and fees leviable by the states.
2. the determination of the taxes, duties, tolls and fees which may be assigned to the Panchayats .
3. The principles that will determine grant-in-aid to the Panchayats.

Which of the statement given above is/are correct?

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

138. Which one among the following monuments was earlier known as 'All India War Memorial'?

(a) Gateway of India (b) India Gate (c) Charminar (d) Lal Kila

139. Which of the following statements regarding the Preamble of the Constitution of India is/are correct?

1. The Preamble is an integral part of the Constitution.
2. The words 'secular' and 'socialist' have been a part of the Preamble since its inception.

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

140. Normally the Parliament can legislate on the subjects enumerated in.

(a) the Union List (b) the Concurrent List
(c) the State List (d) the Union as well as Concurrent List

141. Which one among the following statement relating to the Home Rule Movement is not correct?

- (a) The movement instead of going forward after its great advance in 1917, gradually declined in 1918
- (b) Annie Besant the leader of the movement did not oppose the entry of extremists
- (c) The movement became weaker and weaker because of the continuous differences of opinion among the nationalist leaders
- (d) The movement was again revived by Mahatma Gandhi

142. Why did Gandhiji go to Champaran?

- (a) To launch a Satyagraha movement
- (b) To launch a non-cooperation movement
- (c) To enquire into the grievances of the indigo cultivators
- (d) To fight against the zamindars

143. Which one among the following was the fundamental cause of the first Karnataka War between the British and the French?

- (a) Participation of the English and the French in the native polities of Karnataka
- (b) The ambition of the Dupleix to drive out the English from the South
- (c) The trade rivalry between the English and the French
- (d) The war of Austrian succession because of which Britain and France became each other's enemy in every part of the world

144. Which one among the following cities was the best producer of silk cloth under Gupta reign?

(a) Pataliputra (b) Murshidabad (c) Ghazipur (d) Varanasi

145. Which one among the following is not correct about the cave paintings at Ajanta?
- (a) Scenes have no dividing frame and blend into each other
 - (b) Scenes are both religious and secular in nature
 - (c) The influence of the Gandhara art is seen.
 - (d) Scenes mostly depict tales from Jatakas
146. Vice-President of India is elected by an electoral college consisting of-
- (a) Members of both Houses of Parliament
 - (b) Members of Rajya Sabha only
 - (c) Elected members of both Houses of parliament
 - (d) Elected members of Lok Sabha only
147. Who among the following has a right to speak and otherwise take part in Proceedings of either house of Parliament and to be a member of any parliamentary committee but is not entitled to vote?
- (a) Chairmen Finance Commission
 - (b) The Attorney General
 - (c) The Comptroller and Auditor General
 - (d) The Chief Election Commissioner
148. Which one among the following countries is not touched during the World War II?
- (a) Myanmar
 - (b) Thailand
 - (c) china
 - (d) India
149. Which one among the following wars ended by the Treaty of Salbai ?
- (a) First Maratha War
 - (b) Second marathe War
 - (c) Third Maratha War
 - (d) Fourth My sore War
150. Navroze is a festival celebrated in India by the
- (a) Hindus
 - (b) Muslims
 - (c) Parsis
 - (d) Christians

