



SATISH SCIENCE ACADEMY  
DHANORI PUNE - 411015

General Ability  
COMPETITIVE EXAMS - NDA

**Time Allowed:** 2 hours and 30 minutes

**Maximum Marks :** 600

**General Instructions:**

- All questions are compulsory and carry equal marks.
- This test has 150 questions. If you find more than one correct answer choose the best one. You can choose ONLY ONE response for each question.
- For every wrong attempt, 1/3 marks will be deducted.

**PART-A**

- 1) Out of the four alternatives suggested, choose the one which best expresses the OPPOSITE meaning of the word **OBSCURE** [4]
  - a) Clear
  - b) Dark
  - c) Gloomy
  - d) Unpleasant
- 2) Find suitable OPPOSITE meaning of the word **GENTEEL** [4]
  - a) Prim
  - b) Uncivilized
  - c) Stuffy
  - d) Urbane
- 3) Find suitable OPPOSITE meaning of the word. **NEAT** [4]
  - a) Fragrant
  - b) Sloppy
  - c) Spruce
  - d) Orderly
- 4) Out of the four alternatives suggested, choose the one which best expresses the OPPOSITE meaning of the word **TENTATIVE** [4]
  - a) Plentiful
  - b) Insufficient
  - c) Definite
  - d) Active
- 5) Select the word which is most nearly opposite in meaning to the underlined word.  
Many metals are malleable in nature and property. [4]
  - a) Strong
  - b) Weak
  - c) Tender
  - d) Hard

**Question No. 6 to 15 are based on the given text. Read the text carefully and answer the questions:**

In the following passage, some of the words have been left out. Read the passage carefully and choose the correct answer to each question out of the four alternatives and fill in the blanks.

Saina Nehwal's bronze medal win (1) Saturday, at the London Olympics, may be seen as a lucky (2) after her Chinese opponent (3) hurt. But (4) Saina's father, Dr. Harvir Singh, "It's god's gift." "She was (5) on Friday after losing the semi - final. It was god's (6) that she won a medal. This is very satisfying for everyone. I was very (7) about Saina winning a bronze." Prime Minister Manmohan Singh (8) the Indian shuttler for winning the medal. "The country is proud of your (9)". Singh said in his congratulatory message. Andhra Pradesh governor ESL Narasimhan and Chief Minister N. Kiran Kumar Reddy too congratulated Saina. "After Gagan Narang, Saina is the second sportsperson from AP to win a (10) at the Olympics." the chief minister said.

- 6) Find the best suitable option out of on, in, at, onto to fill (1) in the above passage. [4]

- a) In
  - b) At
  - c) Onto
  - d) On
- 7) Find the best suitable option out of succeed, win of, winning, victory to fill (2) in the above passage. [4]
    - a) Winning
    - b) Win of
    - c) Victory
    - d) Succeed
  - 8) Find the best suitable option out of retired, crashed, injured, fated to fill (3) in the above passage. [4]
    - a) Injured
    - b) Retired
    - c) Fated
    - d) Crashed
  - 9) Find the best suitable option out of according to, from, instead of, on the way to fill (4) in the above passage. [4]
    - a) On the way
    - b) According to
    - c) Instead of
    - d) From
  - 10) Find the best suitable option out of joyous, appointed, disappointed, cheerful to fill (5) in the above passage. [4]
    - a) Appointed
    - b) Cheerful
    - c) Joyous
    - d) Disappointed
  - 11) Find the best suitable option out of prayer, nature, notion, wish to fill (6) in the above passage. [4]
    - a) Notion
    - b) Prayer
    - c) Wish
    - d) Nature
  - 12) Find the best suitable option out of pessimistic, optimistic, nostalgic, emotional to fill (7) in the above passage. [4]
    - a) Nostalgic
    - b) Emotional
    - c) Pessimistic
    - d) Optimistic
  - 13) Find the best suitable option out of prayed, congratulated, wishes, dictated to fill (8) in the above passage. [4]
    - a) Dictated
    - b) Wishes
    - c) Prayed
    - d) Congratulated
  - 14) Find the best suitable option out of getting of, order, achievement, position to fill (9) in the above passage. [4]
    - a) Getting of
    - b) Order
    - c) Position
    - d) Achievement
  - 15) Find the best suitable option out of post, match, entry, medal to fill (10) in the above passage. [4]
    - a) Medal
    - b) Post
    - c) Match
    - d) Entry
  - 16) Choose the correct alternative out of the four. Did the child \_\_\_\_\_ from the chair? [4]
    - a) Fallen
    - b) Falling
    - c) Fell
    - d) Fall

- 17) Many years ..... since I last ate mangoes. [4]  
 a) Have been passed      b) Passed  
 c) Had passed              d) Have passed
- 18) Choose the correct alternative out of the four. The archer missed the \_\_\_\_ by an inch. [4]  
 a) Aim                        b) Point  
 c) Blow                        d) Score
- 19) Choose the correct alternative out of the four. He \_\_\_\_\_ the low pay. [4]  
 a) Moan at                      b) Complain about  
 c) Grumbled at                d) Ran after
- 20) Choose the correct alternative out of the four. The members of the religious sect ostracized the \_\_\_\_ who had abandoned their faith. [4]  
 a) Recreant                      b) Coward  
 c) Litigant                        d) Suppliant
- 21) Environmental pollution has assumed ..... proportion of late. [4]  
 a) Critical                        b) Alarming  
 c) Depressing                  d) Enlarged
- 22) I cannot show any favour \_\_\_\_ you. [4]  
 a) In                                b) To  
 c) At                                d) For
- 23) Choose the correct alternative out of the four. Do not \_\_\_\_\_ your own personal views upon the reader. [4]  
 a) Express                        b) Interpose  
 c) Expose                         d) Impose
- 24) The prisoner showed no \_\_\_\_ for his crimes. [4]  
 a) Hatred                         b) Remorse  
 c) Anger                         d) Obstinacy
- 25) Choose the correct alternative out of the four. The sick units are detached \_\_\_\_ the main group of companies. [4]  
 a) Off                                b) With  
 c) From                              d) On
- 26) Find suitable meaning of the Idiom/Phrase given in bold. She tries very hard **to keep up** with her rich neighbours. [4]  
 a) To keep in touch              b) To be on par  
 c) To avoid                        d) To imitate
- 27) Find suitable meaning of the Idiom/Phrase given in bold. **to roll out the red carpet** [4]  
 a) To give a warning signal  
 b) To decorate the room  
 c) To give a grand welcome  
 d) To buy a gift
- 28) Find suitable meaning of the Idiom/Phrase given in bold. I could have continued my higher studies if I wanted but, that's **water under the bridge**. [4]  
 a) The time I went on a cruise  
 b) The time I met with an accident near the bridge  
 c) Something my family did not want  
 d) Something I cannot change
- 29) Find suitable meaning of the Idiom/Phrase given in bold. **He lays out** fifty percent of his income on bonds and shares. [4]  
 a) Allots                            b) Spends  
 c) Donates                        d) Distributes
- 30) The meaning of underlined in : Greasing the palm is a cognisable offence. [4]  
 a) Give bribe  
 b) Loosen grip over something  
 c) Become indecisive  
 d) Do something wrong
- 31) Rearrange the parts of the sentence in the correct order.  
 1. First Deserve and then Desire.  
 i. Earlier I was very ambitious and wanted to fulfil my desires by hook or by crook.  
 ii. One can be exposed at any time and put to shame.  
 iii. This saying proved to be a mantra for success in my life.  
 iv. But I realised that success through shortcuts is short - lived.  
 6. I followed this saying and today I am a successful businessman.  
 [4]  
 a) RPSQ                              b) SPQR  
 c) PRSQ                              d) QRPS
- 32) Rearrange the parts which are labelled as P, Q, R and S to produce the **correct sentence**. Choose the among the alternatives.  
 P : to what you can create  
 Q : control, shift your energy  
 R : instead of worrying about  
 S : what you cannot  
 The correct sequence should be [4]  
 a) SQRP                              b) RSQP  
 c) QRSP                              d) PRSQ
- 33) In the question given below, the passage consists of six sentences. The first and the sixth sentences are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order of the four sentences.  
 S1 : A gentleman, who lived alone, always had two plates placed on the table at dinner time.  
 S6 : In this way, the cat showed her gratitude to him.  
 P : One day just as he sat down to dine, the cat rushed into the room  
 Q : One plate was for himself and the other was for his cat  
 R : She dropped a mouse into her own plate and another into her master's plate  
 S : He used to give the cat a piece of meat from his own plate  
 The correct sequence should be [4]  
 a) RPQS                              b) QSPR  
 c) QRSP                              d) PSRQ
- 34) Rearrange the parts which are labelled as P, Q, R and S to produce the **correct sentence**. Choose the among the alternatives.  
 For dropping kilos  
 P : it is safe to cut your fat intake  
 Q : and maintaining weight loss  
 R : to 20% of your calories  
 S : even further  
 The correct sequence should be [4]  
 a) QPRS                              b) PRQS  
 c) SQPR                              d) SPRQ
- 35) Rearrange the parts of the sentence in the correct order.  
 1. Some animals like fishes lay eggs and leave them.



50) Which one of the following best expresses the meaning of the word **LOUSY** [4]

- a) Awesome                      b) Aura  
c) Awful                         d) Awry

### PART-B

51) Two forces of 5.0 N each are acting on a point mass. If the angle between the forces is  $60^\circ$ , then the net force acting on the point mass has magnitude close to [4]

- a) 6.7 N                         b) 5.0 N  
c) 4.3 N                         d) 8.6 N

52) A man travels along a straight road for the first half length with a velocity  $u$  and the second half length with a velocity  $v$ . Then, the mean velocity is given by [4]

- a) Zero                         b)  $\sqrt{uv}$   
c)  $\frac{2uv}{u+v}$                       d)  $\frac{u+v}{2}$

53) The work done on a body is zero, when an applied force  $F$  and the corresponding displacement  $S$  are [4]

- a) Perpendicular to each other.  
b) Parallel to each other.  
c) At an angle  $60^\circ$  to each other  
d) Different in magnitude

54) Moment of inertia of a disc about its own axis is  $I$ . Its moment of inertia about a tangential axis in its plane is [4]

- a)  $\frac{5}{2}I$                               b)  $3I$   
c)  $\frac{3}{2}I$                               d)  $2$

55) Suppose the force of gravitation between two bodies of equal masses is  $F$ . If each mass is doubled keeping the distance of separation between them unchanged, then the force would become [4]

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

56) Black hole is a [4]

- a) Huge black star which has zero acceleration due to gravity on its surface  
b) Star which has collapsed into itself and has large acceleration due to gravity on its surface  
c) Star which has moderate acceleration due to gravity on its surface  
d) Star which has collapsed into itself and has zero acceleration due to gravity on its surface

57) One thousand small water drops of equal size combine to form a big drop. The ratio of the final surface energy to the total initial surface energy is [4]

- a) 1 : 1000                      b) 10 : 1  
c) 1000 : 1                      d) 1 : 10

58) The densities of three liquids are  $D$ ,  $2D$  and  $3D$ . What will be the density of the resulting mixture, if equal volumes of the three liquids are mixed? [4]

- a)  $6D$                               b)  $3D$   
c)  $1.4D$                          d)  $2D$

59) When a piece of metal weighing 48.3 g at  $10.7^\circ\text{C}$  is immersed in a current of steam at  $100^\circ\text{C}$ , 0.765 g of steam is condensed on it. What is the specific heat of metal? [4]

- a) 9.5 cal/g $^\circ\text{C}$                       b) 0.95 cal/g $^\circ\text{C}$   
c) 0.095 cal/g $^\circ\text{C}$                       d) 95 cal/g $^\circ\text{C}$

60) A Kelvin thermometer and a Fahrenheit thermometer both give the same reading for a certain sample. What would

be the corresponding reading in a Celsius thermometer? [4]

- a) 273                              b) 574  
c) 301                              d) 232

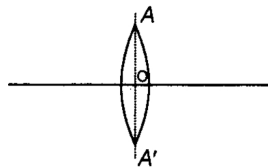
61) 1 L of air at 76 cm of Hg is compressed to a pressure of 120 cm of Hg under isothermal condition. The new volume is [4]

- a) 6.33 cm $^3$                       b) 633.3 cm $^3$   
c) 76 cm $^3$                          d) 19 cm $^3$

62) Thermal conductivity of aluminium, copper and stainless steel increases in the order [4]

- a) Copper < Stainless steel < Aluminium  
b) Copper < Aluminium < Stainless steel  
c) Aluminium < Copper < Stainless steel  
d) Stainless steel < Aluminium < Copper

63) An equiconvex lens is cut into two halves along AOA' as shown in figure. If  $f$  and  $f'$  are the focal length of complete and each of half lens, then choose the correct statement from the following?



[4]

- a)  $f' = \frac{3f}{2}$   
b)  $F' = 2f$   
c)  $F = f'$   
d)  $F = 2F'$

64) An object is placed at the centre of curvature of a concave mirror of focal length 16 cm. If the object is shifted by 8 cm towards the focus, then the nature of the image would be [4]

- a) Real and magnified  
b) Real and reduced  
c) Virtual and reduced  
d) Virtual and magnified

65) If a concave mirror of focal length 10 cm is immersed in water, its focal length will [4]

- a) Be increased                      b) Be reduced  
c) Change sign                      d) Remain unchanged

66) Which one of the following cannot be the unit of frequency of a sound wave? [4]

- a) Min $^{-1}$                          b) S $^{-1}$   
c) DB                                 d) Hz

67) The time period of oscillation of a simple pendulum having length  $L$  and mass of the bob  $m$  is given as  $T$ . If the length of the pendulum is increased to  $4L$  and the mass of the bob is increased to  $2m$ , then which one of the following is the new time period of oscillation? [4]

- a)  $T$                                  b)  $2T$   
c)  $\frac{T}{2}$                                  d)  $4T$

68) Why are the tyres of aircrafts made of conducting rubber?  
i. So that the charge accumulated on the aircraft in flight, by rubbing the air can easily be transferred to ground on landing.  
ii. So that the charge accumulated due to the operation of various electronic equipments in the aircraft in flight can easily be transferred to ground on landing.

Select the correct answer using the codes given below.

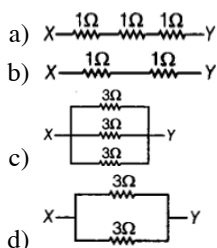
[4]

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

69) If the current is flowing through a  $10\Omega$  resistor, then in which one of the following cases maximum heat will be generated? [4]

- a) 3 A in 6 min                              b) 4 A in 3 min  
c) 2 A in 12 min                            d) 5 A in 12 min

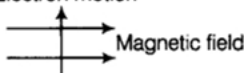
70) Which of the following arrangement of resistors offers minimum effective resistance between points X and Y? [4]



71) In a step - down transformer, the input voltage is 200 V and the output voltage is 5 V. The turn ratio of the transformer is [4]

- a) 40 : 1                                      b) 1 : 30  
c) 30 : 2                                      d) 20 : 1

Electron motion



72) The motion of an electron in presence of a magnetic field is depicted in the figure given above. The force acting on the electron will be directed [4]

- a) Opposite to the motion of the electron  
b) Into the page  
c) Out of the page  
d) Along the motion of the electron

73) During the nuclear fusion reaction, [4]

- a) Protons and neutrons combine to form a nucleus  
b) Two light nuclei combine to give a heavier nucleus  
c) A light nucleus bombarded by thermal neutrons breaks up  
d) A heavy nucleus breaks into two fragments by itself

74) The threshold frequency of potassium is  $3 \times 10^{14}$  Hz . The work function is [4]

- a)  $0.5 \times 10^{-19}$  J  
b)  $4 \times 10^{-19}$  J  
c)  $2 \times 10^{-19}$  J  
d)  $1.0 \times 10^{-19}$  J

75) Photoelectrons are emitted, when [4]

- a) A zinc plate is subjected to high pressure  
b) A zinc plate is irradiated with light  
c) A zinc plate is heated  
d) A zinc plate is hammered

76) Any change in matter that results in the disappearance of one or more substances and the appearance of one or more substances, each having its own set of intensive properties is known as [4]

- a) Intrinsic change                          b) Physical change  
c) Extrinsic change                          d) Chemical change

77) Which one of the following is a compound? [4]

- a) Plaster of Paris                              b) Water gas  
c) CNG    d) Glass

78) Which one of the following metals floats in cold water? [4]

- a) Magnesium                                      b) Calcium  
c) Copper    d) Potassium

79) Which one of the following is a correct relationship between mass and energy? [4]

- a)  $E = hc$     b)  $c = \sqrt{E/m}$   
c)  $m = EC^2$     d)  $E = \frac{m}{c^2}$

80) If the reaction of 1.0 mole  $\text{NH}_3$  (g) and 1.0 mole  $\text{O}_2$  (g)  $4\text{NH}_3(\text{g}) + 5\text{O}_2(\text{g}) \rightarrow 4\text{NO}(\text{g}) + 6\text{H}_2\text{O}(\text{l})$  is carried to completion, then [4]

- a) All the  $\text{O}_2(\text{g})$  is consumed  
b) 1.5 moles of  $\text{H}_2\text{O}(\text{l})$  is produced.  
c) 4.0 moles of  $\text{NO}(\text{g})$  is produced  
d) All the  $\text{NH}_3(\text{g})$  is consumed.

81) The rule which states that no two electrons can have same value of all the four quantum numbers is [4]

- a) De - Broglie principle  
b) Aufbau principle  
c) Pauli's exclusion principle  
d) Heisenberg's uncertainty principle

82) The atomic number of an element is 8. How many electrons will it gain to form a compound with sodium? [4]

- a) Three    b) Four  
c) One    d) Two

83) Which has least ionisation potential? [4]

- a) F    b) Ne  
c) O    d) N

84) Which contain both polar and non - polar bonds? [4]

- a)  $\text{CH}_4$     b)  $\text{H}_2\text{O}_2$   
c)  $\text{NH}_4\text{Cl}$     d) HCN

85) Which compound, when dissolved in water, conducts electricity and forms a basic solution? [4]

- a)  $\text{CH}_3\text{COOH}$     b) HCl  
c) NaOH    d)  $\text{CH}_3\text{OH}$

86) In electrolytic refining of copper, the electrolyte is a solution of [4]

- a) Acidified copper sulphate.  
b) Sodium sulphate.  
c) Acidified copper chloride.  
d) Potassium chloride.

87) Oxygen was discovered by [4]

- a) Scheele    b) Boyle  
c) Cavendish    d) Priestley

88) Which among the following statements is not correct with respect to all allotropes of carbon? [4]

- a) Diamond is the hardest substance known.  
b) Fullerene is one of the allotropes of carbon.  
c) Graphite is a good conductor of electricity.  
d) Next to diamond, graphite is the second hardest known substance.

89) Which of the following statements is correct?

- i. Soap can be used in acidic water.  
ii. Ionic part of a soap is -  $\text{COO}^- \cdot \text{Na}^+$

- iii. Soap dissolves in water faster than detergent.  
iv. Soap is a compound.

[4]

- a) Statement (iii) is correct.  
b) Statement (i) is correct.  
c) Statement (ii) is correct.  
d) Statement (iv) is correct.

90) Which one of the following chemicals is used in beauty parlours for hair - setting? [4]

- a) Phosphorus based                      b) Silicon based  
c) Sulphur based                              d) Iron based

91) The term biology was coined by: [4]

- a) Aristotle                                      b) Theophrastus  
c) Lamarck                                        d) Linnaeus

92) In a plant cell, which one of the following contains their own DNA? [4]

- a) Nucleus and endoplasmic reticulum  
b) Chloroplast and vacuoles  
c) Ribosome and Golgi apparatus  
d) Mitochondria and chloroplast

93) One of the vitamins is antiviral [4]

- a) C    b) D  
c) A    d) K

94) Which one of the following statements is correct? [4]

- a) Xylem consists of sieve plate, sieve tube and companion cells  
b) Flexibility in plants is due to sclerenchyma  
c) Xylem consists of tracheids, vessels, xylem parenchyma and xylem fibres  
d) Parenchyma have no intercellular spaces

95) Lymph is a tissue fluid present in intercellular spaces. It resembles to [4]

- a) Digestive juice                                b) Plasma  
c) Urine    d) Cytoplasmic fluid

96) In which part of plants does transpiration take place? [4]

- a) Stem    b) Leaves  
c) Roots    d) Both Stem and Leaves

97) The contraction of gall bladder is due to [4]

- a) Secretin    b) Cholecystokinin  
c) Enterogasterone                                d) Gastrin

98) Sympathetic nervous system increases [4]

- a) Heartbeat  
b) All of these  
c) Secretion of digestive juices  
d) Saliva secretion

99) Which one of the following is not a bacterium? [4]

- a) Escherichia coli  
b) Neisseria gonorrhoeae  
c) Wuchereria bancrofti  
d) Treponema pallidum

100) Golden rice is a genetically - modified crop plant, where the incorporated gene is meant for biosynthesis of [4]

- a) Vitamin - A                                      b) Vitamin - B  
c) Omega - 3 fatty acids                        d) Vitamin - C

101) Which of the following pairs is not correctly matched? [4]

- a) Lord Wellesley - Subsidiary Alliance

- b) Lord Minto - Indian Councils Act, 1909  
c) Lord Dalhousie - Doctrine of Lapse  
d) Lord Curzon - Vernacular Press Act, 1878

102) Which of the following treaties brought an end to the independent existence of Peshwa Bajji Rao II? [4]

- a) Treaty of Salbai  
b) Treaty of Bassein  
c) The Treaty of Purandhar  
d) Convention of Wadgaon

103) 'Do or Die' is associated with which of the movements in India's freedom struggle? [4]

- a) Dandi March  
b) Khilafat Movement  
c) Non - Cooperation Movement  
d) Quit India Movement

104) When was Mahatma Gandhi arrested during the 'Quit India Movement' of 1942? [4]

- a) 5<sup>th</sup> July 1942                                      b) 30<sup>th</sup> April 1942  
c) 7<sup>th</sup> August 1942                                d) 9<sup>th</sup> August 1942

105) The reputed musician duo, Tansen, and Baiju Bawra, flourished during the reign of - [4]

- a) Bahadur Shah Zafar                            b) Jahangir  
c) ShahJahan                                        d) Akbar

106) The Dilwara temple at Mount Abu in Rajasthan were built by the followers of [4]

- a) Sikhism    b) Hinduism  
c) Jainism     d) Buddhism

107) Which dynasty succeeded the Chalukyas in the Western India? [4]

- a) Pallavas    b) Cholas  
c) Rashtrakutas                                    d) Kakatlyas

108) The Hijira is counted from the year: [4]

- a) 622 AD    b) 997 AD  
c) 632 AD    d) 570 AD

109) The greatness of Sher Shah lies in his [4]

- a) Superior generalship  
b) Administrative reforms  
c) Religious tolerance  
d) Victories against Humayun

110) Consider the following statements about the early modern technology in India

- i. The Portuguese brought European movable metal types to Goa in 1550.  
ii. The first Indian script of which types were prepared was Tamil.  
iii. The English Company's first experiment with the printing press was at Calcutta.  
iv. The English Company imported printing press to India in 1674 - 75 at the request of Bhimji Parak.

Which of the statements given above are correct? [4]

- a) (i), (ii) and (iv)                                b) (i) and (ii)  
c) (ii) and (iii)                                    d) (iii) and (iv)

111) To end the III Anglo - Mysore War. Tipu Sultan signed the following Treaty with the British [4]

- a) Treaty of Mysore  
b) Treaty of Bidnur  
c) Treaty of Srirangapatnam  
d) Treaty of Mangalore

- 112) Of the modern European nations the first to come to India as traders was: [4]  
 a) The French                      b) The Dutch  
 c) The Portuguese                d) The English
- 113) What is the name of the era on which the National Calendar of India is based? [4]  
 a) Vikrama era                      b) Kaliera  
 c) Sakaera                          d) Rama vera
- 114) Which of the following statements about Saguna bhakti traditions is / are correct?  
 i. Saguna bhakti traditions focus on the worship of specific deities such as Vishnu or his avatars.  
 ii. In Saguna bhakti traditions, Gods and Goddesses are conceptualised in anthropomorphic forms.  
 Select the correct answer using the codes given below. [4]  
 a) Only 1                              b) Only 2  
 c) Neither 1 nor 2                d) Both 1 and 2
- 115) Which movement got the support both from Hindus and Muslims? [4]  
 a) Non Cooperation Movement  
 b) Anti - Partition Movement  
 c) Champaran Satyagraha  
 d) Quit India Movement
- 116) Which of the following was/were the feature(s) of Lenin's New Economic Policy (NEP) for the Soviet Union?  
 i. Private retail trading was strictly forbidden  
 ii. Private enterprise was strictly forbidden  
 iii. Peasants were not allowed to sell their surplus.  
 iv. To secure liquid capital concessions were allowed to foreign capitalists, but the state retained the option of purchasing products of such concerns  
 [4]  
 a) 1, 2 and 4                      b) 2 and 3  
 c) Only 4                              d) Only 1
- 117) 'Liberty, Equality and Fraternity' is the call associated with [4]  
 a) Chinese Revolution            b) American Revolution  
 c) French Revolution              d) Russian Revolution
- 118) Where is Lake Superior, the largest fresh - water lake in the world, located? [4]  
 a) USA                                b) Brazil  
 c) Canada                            d) Russia
- 119) Which of the following estates declared themselves to be National Assembly during the French Revolution? [4]  
 a) Second estate                    b) Third estate  
 c) Fourth estate                    d) First estate
- 120) In which one of the following ways did the First World War not impact Europe? [4]  
 a) Popular support decreased for conservative dictatorship which had come into being recently  
 b) From a continent of creditors it turned into a continent of debtors  
 c) National honour occupied centre stage in the public sphere  
 d) Soldiers came to be placed higher in social status than civilians
- 121) Agricultural Commodities are graded with: [4]  
 a) AGMARK                        b) Green Product  
 c) Eco - products                 d) ISI
- 122) At Sindri in Jharkhand, the fertilizer produced is [4]  
 a) Urea  
 b) Calcium Super Phosphate  
 c) Ammonium Sulphate  
 d) Ammonium Phosphate
- 123) Which one of the following town is nearest to the Tropic of Cancer? [4]  
 a) Ujjain                              b) Agartala  
 c) Gandhinagar                    d) Jabalpur
- 124) The average annual rainfall in India is about: [4]  
 a) 39 cm                              b) 180 cm  
 c) 100 cm                            d) 14 cm
- 125) In India agriculture of Jute is maximum on which Delta area? [4]  
 a) Ganga                              b) Brahmaputra  
 c) Godavri                            d) Mahanadi
- 126) 'Lion' in India is still preserved in: [4]  
 a) West Bengal forests  
 b) Kerala state  
 c) Gir Forests of Kathiawar  
 d) Rajasthan state
- 127) Bhubaneswar, the capital of Orissa is also famous for: [4]  
 a) Its oil refinery  
 b) Its famous Lingaraja temple  
 c) Its shipping industry  
 d) Its iron and steel industry
- 128) Which of the following international body is associated/collaborating in the National 'Populatin Education Programme' in the country ? [4]  
 a) UNFPA                              b) IMF  
 c) UNESCO                            d) WHO
- 129) What ambitious target India has fixed or the coal production by the end of 20th century AD ? [4]  
 a) 280 million tonnes            b) 320 million tonnes  
 c) 400 millions tonnes            d) 180 million tonnes
- 130) The easternmost peak of the Himalayas is [4]  
 a) Kanchenjunga                    b) Mount Everest  
 c) Annapura                         d) Namcha Barwa
- 131) Why does the west coast of India receive more rainfall from southwest monsoon than the east coast? [4]  
 a) The Western Ghats obstruct the winds causing rainfall  
 b) Unlike the east coast this coast is straight  
 c) The east coast is broader than the west coast  
 d) The Eastern Ghats extend parallel to wind direction
- 132) Which two of the following are connected by the North South corridor? [4]  
 a) Srinagar and Kanyakumari  
 b) Amritsar and Kolkata  
 c) Hyderabad and Bhopal  
 d) Mumbai and Chennai
- 133) The capital of Tanzania is [4]  
 a) Kampala                         b) Dar - es - Salaam  
 c) Lusaka                            d) Nairobi
- 134) **Statement I:** The decrease of air temperature with increasing altitudes in the atmosphere is called the vertical temperature gradient.

**Statement II:** In Troposphere, air temperature decreases with increasing altitude due to radiation from the Earth. [4]

- Statement I is false, but Statement II is true
- Both the statements are individually true and Statement II is the correct explanation of Statement I
- Statement I is true, but Statement II is false
- Both the statements are individually true, but Statement II is not the correct explanation of Statement I

135) Who is the Exofficio Chairman of the Planning Commission? [4]

- Finance Minister
- Minister for Planning & Development
- Minister for Rural & Community Development
- Prime Minister

136) Who has provided the Savings Bank facility to the largest number of account holders in India? [4]

- Allahabad Bank
- Post Office
- Punjab National Bank
- State Bank of India

137) This water is responsible for formation of wells, springs and geysers etc: [4]

- Snow water
- Sea water
- Underground sub - soil water
- River water

138) Match the following.

List I	List II
(a) Neptune	(i) Coldest Planet
(b) Mars	(ii) Red Planet
(c) Venus	(iii) Earth's twin
(d) Uranus	(iv) Green Planet

[4]

- (a) - (iii), (b) - (ii), (c) - (i), (d) - (iv)
- (a) - (ii), (b) - (iv), (c) - (i), (d) - (iii)
- (a) - (iv), (b) - (iii), (c) - (ii), (d) - (i)
- (a) - (iv), (b) - (ii), (c) - (iii), (d) - (i)

139) Unlike other planets, which of the following planets rotate in clockwise direction? [4]

- Jupiter
- Venus
- Saturn
- Mars

140) Which one of the following clouds is a rain - bearing cloud? [4]

- Stratus cloud
- Nimbus cloud
- Cirrus cloud
- Cumulus cloud

141) Operation Cactus is the name given to Indian military intervention in [4]

- Sri Lanka
- Maldives
- Bangladesh
- Bhutan

142) The President of India is elected by proportional representative system by a single transferable vote. This implies that [4]

- Elected MPs and MLAs of states have different number of votes
- All MPs and MLAs of states have one vote each
- MPs of the Lok Sabha have equal number of votes
- All MPs and MLAs of states have equal number of votes

143) Which one among the following is an indigenously built Weapon System Integrated helicopter handed over to the Indian Army in February, 2013 by Hindustan Aeronautics Limited? [4]

- Indra
- Shiva
- Varun
- Rudra

144) Consider the following statement(s) relating to planning in India.

- In the year 1938, the National Planning Committee was set up in India under the chairmanship of Jawaharlal Nehru.
- The Bombay Plan was prepared by the Indian industrialists.
- Acharya Kripalani prepared the Gandhian Plan.

Which of the statement(s) given above is/are correct? [4]

- I and ii
- Only i
- Only ii
- All of these

145) ASEAN Maritime Exercise 2023 begins today in Harbour Phase, the event is held at which military port? [4]

- Norfolk Naval Base
- Changi Naval Base
- Zapadnaya Litsa Naval Base
- Washington Navy Yard

146) Justice Suresh Kumar Kait has recently become the Chief Justice of which state's High Court? [4]

- Maharashtra
- Rajasthan
- Gujarat
- Madhya Pradesh

147) Sameer Khakhar has passed away, he was related to which field? [4]

- Journalism
- Medical
- Acting
- Singing

148) Who has been nominated by World Athletics for this year's Athlete of the Year? [4]

- Seema Punia
- Murali Srishankar
- Hima Das
- Neeraj Chopra

149) India's first submarine tourism will be started in which state? [4]

- Kerala
- Gujarat
- Maharashtra
- Odisha

150) Which US state has recognized Diwali as an official state holiday? [4]

- California
- Arizona
- Indiana
- Pennsylvania