

NDA MOCK TEST (GAT) - 4

No of Questions: 150

Time: 2 ½ Hours

PART – A

SYNONYMS

Directions : Each of item in this section consists of a sentence with an underline word/words followed by four words. Select the option that is **nearest in meaning** to the underline word/words and mark your response in your answer sheet accordingly.

- | | |
|---|--|
| <p>1. The spectators looked at the batsman in <u>amazement</u> when he hit sixer after sixer.
a) shock b) wonder
c) surprise d) suspicion</p> <p>2. The country's economy is beginning to <u>look up</u> now.
a) look clear b) go down
c) remain static d) improve</p> <p>3. He <u>disdained</u> to notice the insult.
a) was very proud b) refused
c) was unhappy d) was too reluctant</p> <p>4. I cannot believe in the <u>veracity</u> of his statement.
a) truth b) usefulness
c) sincerity d) faisity</p> <p>5. Although the boys in his class were naughty, he never resorted to <u>corporal</u> punishment.
a) harsh b) physical
c) unjust d) general</p> <p>6. This job is very <u>tedious</u>.</p> | <p>a) tiresome b) dull
c) interesting d) exciting</p> <p>7. He is employed in an <u>ordnance</u> factory.
a) orthodox
b) arms and ammunition
c) electrical and electronic
d) ordinary and common</p> <p>8. The spectators looked at the batsman in <u>amazement</u> when he hit sixer after sixer.
a) shock b) wonder
c) surprise d) suspicion</p> <p>9. The article was so well written that it <u>merited</u> careful study.
a) deserved b) encouraged
c) prompted d) supported</p> <p>10. The maidservant left the police station <u>contrite</u>
a) penitent b) sore
c) angry d) remorseless</p> |
|---|--|

ANTONYMS

Directions : Each item in this section consists of a sentence with an underlined word/words followed by four words. Select the option that is **opposite in the meaning** to the underline word/words and mark your response in answer sheet accordingly.

- | | |
|--|--|
| <p>11. This is a <u>trivial</u> matter.
a) important b) small
c) easy d) difficult</p> <p>12. Though he had lost the battle, he decided not to <u>yield</u> to the enemy.
a) submit to b) persuade
c) resist d) seek terms with</p> <p>13. Their careers followed a <u>parallel</u> path.
a) divergent b) difficult</p> | <p>c) similar d) dissimilar</p> <p>14. The outcome of his mission was more <u>rewarding</u> than he had expected.
a) lucrative b) disappointing
c) thrilling d) nail-biting</p> <p>15. The usual <u>adulation</u> of officers must end.
a) back-biting b) condemnation
c) flattery d) praise</p> <p>16. The booking clerk looked very <u>grumpy</u></p> |
|--|--|

- a) surly b) pleasant
c) efficient d) honest
17. I was deeply affected by his urbane behaviour
a) rural b) indifferent
c) rude d) unsympathetic
18. some of the needs of modern man are surely dispensable.
a) desirable b) acceptable

- c) relevant d) essential
19. He has given up his vicious habits
a) godly b) virtuous
c) sublime d) friendly
20. I have malice towards none.
a) sympathy b) goodwill
c) friendship d) attraction

SPOTTING ERRORS

Direction : each item in this section has a sentence has three underline parts labelled (a) , (b) and (c). Read each sentence to find out whether there is any error in any part and indicate your response in the Answer sheet against the corresponding letter. i.e. (a) or (b) or (c) If you find no error, your response should be indicate as (d)

21. **Scarcely did I reach the airport (a)/nervous and tense than the plane took off (b)/leaving me stranded in an alien place (c)/ No error (d)**
a) Scarcely did I reach the airport
b) nervous and tense than the plane took off
c) leaving me stranded in an alien place
d) No error
22. **The power to (a)/distinguish between differences (b)/is the basis of science and art (c)/No error (d)**
a) The power to
b) distinguish between differences
c) is the basis of science and art
d) No error
23. **I have(a)/seen her only once (b)/ but I m liking her a lot (c)/No error (d)**
a) I hav

- e
b) seen her only once
c) but I m liking her a lot
d) No error
24. **I told him (a)/that we enjoyed very much (b)/at the party (c)/ No error (d)**
a) I told him
b) that we enjoyed very much
c) at the party
d) No error
25. **John is working very hardly (a)/ as the examinations (b)/are fast approaching (c)/No error (d)**
a) John is working very hardly
b) as the examinations
c) are fast approaching
d) No error

COMPREHENSION

DIRECTIONS : In this section you have few short passage . After each passage you will find item based on the passage. First, read a passage and answer the item based on it. You are required to select answer based on the contents of the passage and opinion of the author only.

Read not to contradict and confuse nor to believe and take for granted nor to find talk and discourse but to weigh and consider. Some books are to be tasted others to be swallowed and some few to be chewed and digested. That is some books are to be read only in parts others to be read but not curiously and some few to be read wholly and with diligence and attention. Some books may

also be read by deputy and extracts made of them by others but that would be only in the less important arguments and the meaner sort of books else distilled books are like common distilled waters flashy things. Reading market a full man conference a ready man and writing an exact man.

26. **What should be the purpose of reading a book ?**

- a) To contradict
- b) To weighing and consider.
- c) To take it for granted.
- d) To understand the contents.

27. Why are some books to be tasted ?

- a) To be read with great care.
- b) To be read with great attention.
- c) To be read only in parts.
- d) To be read for fun.

28. How is man s character influenced by the art of writing ?

- a) It makes him a great writer.
- b) It makes him a ready man.
- c) It makes him a full man.
- d) It makes him an exact man.

29. What kind of books is to be read by the deputy ?

- a) Extraordinary books.
- b) Ordinary books.
- c) Interesting books.
- d) Meaner sort of books.

30. What is meant by chewed and digested ?

- a) Thoroughly read and understood.
- b) Partly read and understood.
- c) Understood without any effort.
- d) None of the above.

The beauty of the Japanese landscape is that it conveys philosophical messages through each feature. The pose of curving pathways rather than straight lines for instance. This feature springs from the belief that only evil travels in straight lines good forces tend to wander. Then odd numbers of plants or trees are used in these

gardens because these numbers are considered auspicious. Even the plants used are symbolic For example the Cyprus represents longevity and the bamboo symbolizes abundance ” says Sadhana Roy Choudhary. In Japan nature is said to be so closely intertwined with human life that parents actually plant a sapling in their garden when a child is born In the family letting the growth of the child coincide with the growth of the plant.

31. They prefer curving pathways because

- a) they are inauspicious.
- b) they can walk easily.
- c) they stumble over straight ones.
- d) good spirits walk on them.

32. Abundance means

- a) long life.
- b) happiness
- c) plenty.
- d) permanent.

33. The Japanese parents plant a sapling at the time of I birth of a child because

- a) it is auspicious to plant a sapling.
- b) it is closely associated with the growth of the child.
- c) it gives longevity to the child.
- d) it gives happiness to the child.

34. According to the passage the Japanese are

- a) superstitious.
- b) philosophical.
- c) lovers of nature.
- d) lovers of numerology.

35. The Japanese pathways tend to be

- a) symbolic.
- b) beautiful
- c) curved.
- d) straight

FILL IN THE BLANK

Direction : Each of the following sentences in this section has a blank space and four words or group of words given after the sentences. Select he word or group of words consider most appropriate for the blank space and indicate your response on the Answer sheet accordingly.

36. How did these things come _____ ?

- a) about
- b) into
- c) at
- d) down

37. The news was _____ good to be true

- a) very
- b) too
- c) so
- d) as

38. How much longer _____ this book ?

- a) you are needing
- b) will you be needing
- c) will you have needed
- d) have you needed

39. you hear the President’s speech ?

- a) Have
- b) Has

- c) Had d) Did
40. I _____ to the movie with some friends last night

- a) have gone b) went
- c) am gone d) am going

IDOM/PHRASE

DIRECTIONS : Given below are some idioms/phrase followed by four alternative meaning to each. Choose the response (a) , (b) ,(c),or (d) which is the most appropriate expression.

41. To have brush with :

- a) To start painting
- b) To have good and pleasing terms
- c) To be impressed
- d) To have a slight encounter

42. Will o' the wisp :

- a) Anything which eludes or deceives
- b) To act in a childish way
- c) To act in a foolish way
- d) To have desires unbacked by efforts

43. To turn the tables :

- a) To defeat
- b) To oppose
- c) To create chaos

- d) To change the sorry scheme
- e) To change completely the position of disadvantage

44. To give a false colouring :

- a) To misrepresent
- b) To submit the false report
- c) To be dishonest
- d) To conceal the facts

45. To show the white feather :

- a) To show signs to cowardice
- b) To seek peace
- c) To show arrogance
- d) To become polite

REORDERING STATEMENT

Direction : In this section each item consists of six sentences of passage. The first and sixth sentence are given in the beginning as S1 and S6. The middle four sentences in each have been jumbled up and labelled P, Q, R and S. you are required to find the proper sequence of the four sentences and mark your response accordingly the answer sheet.

46. S1: Belur is 35 km from Hassan.

S6: They depict young women musicians and dancers in various poses.

P: Seen from afar, the star-shaped temple, characteristically Hoysala, is not very impressive.

Q: It stands in a courtyard surrounded by a rectangular wall.

R: But closer it is dazzling and marvellous and the entire exterior is decorated with sculptures, the loveliest being the panels right and left of the main door.

S: Chennakesava Temple is dedicated to Vishnu. The proper sequence should be

- a) QRSP b) SRPQ
- c) SPQR d) SQPR

47. S1: When his business failed, he began to look for a job in an office. S

S6: Unable to bear misfortunes any further, he started toying with the idea of ending his life of burdens and strains.

P: To overcome depression he took to drinking and became addicted to it.

Q: He soon realised that nothing was more difficult than to find a job.

R: Without job he failed to meet the daily requirements of his family which made him highly depressed.

S: Quarrel ensued invariably between husband and wife when he returned home in a state of drunkenness. The proper sequence should be

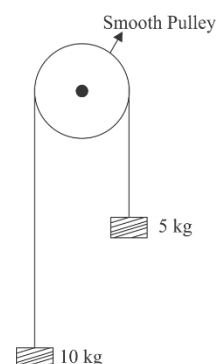
- a) PQRS b) SRQP
c) QSRP d) QRPS
- 48. S1:** Unlike many modern thinkers, Tagore had no blueprint for the world's salvation.
- S6:** As a poet, he will always delight, as a singer he will always enchant, as a teacher he will always enlighten.
- P:** His thought will therefore never be out of date.
- Q:** He merely emphasised certain basic truths which may ignore only at their peril.
- R:** He believed in no particular 'ism'.
- S:** He was what Gandhiji rightly termed the Great Sentinel. The proper sequence should be
- a) SRPQ b) PRSQ
c) RSPQ d) RQPS
- 49. S1:** Louis Pasteur had a very busy and interesting life.
- S6:** He was always very proud of being able to help his country in this way.
- P:** Among the people whom Pasteur was able to help were brewers, breeders of silk worms and cow keepers, all of whom were trying to

carry on important industries.

- Q:** He worked hard in his laboratory with test tubes and all kinds of experiments.
- R:** He was working to help people who were suffering in some special way from disease.
- S:** He not only made some exciting discoveries about germs but he was able to use his discoveries in very practical ways. The proper sequence should be
- a) SQRP b) PQRS
c) QRSP d) RSQP
- 50. S1:** Tom Walker and his wife were always at loggerheads.
- S6:** Tom silently thanked God for this relief.
- P:** She was never tired of reproaching him on this score.
- Q:** Tom was incurably lazy and talkative.
- R:** One day Mrs Walker caught a deadly cold and shortly afterwards, died.
- S:** This was a constant source of irritation to his wife. The proper sequence should be
- a) PRQS b) QSPR
c) SQRP d) PSQR

PART – B

- 1.** Let us assume that air density (0.0013 g/cm^3) remains constant as we go up in the atmosphere. In such a hypothetical case, what is the approximate height of atmosphere to have 1 atmospheric pressure?
- a) 4 km b) 8 km
c) 40 km d) 80 km.
- 2.** Specific gravity of silver is 11 and specific gravity of iron is 8. Which one among the following is the approximate relative density of silver with respect to iron?
- a) 1.4
b) 0.7
c) 3.0
d) 2.8 Directions
- 3.** In the system shown, masses are released from rest. What shall be the acceleration of the moving masses?



- a) g b) $2g/3$
c) $g/3$ d) $g/2$
- 4.** A car accelerates from rest with acceleration 1.2 m/s^2 . A bus moves with constant speed of 12 m/s in a parallel lane. How long does the car take from its start to meet the bus?
- a) 17 s b) 8 s
c) 20 s d) 12 s
- 5.** The weight of a body is 9.8 N at the place where $g = 9.8 \text{ ms}^{-2}$. Its mass is
- a) zero b) 9.8 kg

- c) 10 kg d) 1 kg
6. A jet engine works on the principle of conservation of
- a) linear momentum b) angular momentum
c) energy d) mass
7. A body weighs 5 kg on equator. At the poles it is likely to weigh
- a) 5 kg
b) less than 5 kg but not zero
c) 0 kg
d) more than 5 kg
8. Each of the next two items consists of two statements, one labelled as the 'Assertion (A)' and the other as 'Reason (R)'. You are to examine these two statements carefully and select the answers to these items using the codes given below:
- Assertion (A):** Two artificial satellites having different masses and revolving around the Earth in the same circular orbit have same speed.
- Reason (R):** The speed of a satellite is directly proportional to the radius of its orbit.
- a) Both A and R are individually true and R is the correct explanation of A
b) Both A and R are individually true and R is the NOT correct explanation of A
c) A is true but R is false
d) A is false but R is true
9. When water is heated from 0°C to 20°C, how does its volume change?
- a) It shall increase
b) It shall decrease
c) It shall first increase and then decrease
d) It shall first decrease and then increase
10. Thermometer A and B have ice points marked at 15° and 25° and steam points at 75° and 125° respectively. When thermometer A measures the temperature of a bath as 60°, the reading of B for the same bath is
- a) 60° b) 75°
c) 90° d) 100°
11. Why is sound heard with more intensity through CO₂ than through the air?
- a) Density of CO₂ is more than that of air
b) Density of CO₂ is less than that of air
c) Air is bad conductor of heat

- d) CO₂ is a compound, but air is a mixture of gases
12. In a sitar wire which one of the following types of vibration is produced?
- a) Progressive longitudinal
b) Stationary longitudinal
c) Progressive transverse
d) Stationary transverse
13. 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
14. Which of the following statements is/are true regarding a light wave travelling from air to glass?
1. Its frequency remains unchanged.
2. Its speed changes. 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
15. Which one among the following statements is correct?
- a) Convex mirrors are used by doctors to examine oral cavity
b) Concave mirrors are used as reflectors
c) Convex mirrors are used as reflectors
d) Convex mirrors should be used for shaving
16. A refracting telescope consists of
- a) one concave mirror and one convex lens
b) two convex lenses of equal focal length
c) two concave mirrors of different focal lengths
d) two convex lenses of unequal focal lengths
17. The effective resistance of two wires is 2 x. The resistance of one wire is two times that of the other wire and is three times the effective resistance. Which one of the following is correct in respect of value of x?
- a) x can take only one value.
b) x must only be greater than or equal to 1
c) x can take any positive real value
d) The information given above is inconsistent
18. Which one of the following is correct? A negatively charged glass rod has always
- a) less electrons than protons

- b) less electrons than neutrons
 - c) less protons than electrons
 - d) less neutrons than protons
19. The force experienced by a unit positive test charge placed at a point is called
- a) magnetic field at that point
 - b) gravitational field at that point
 - c) electrical field at that point
 - d) nuclear field at that point
20. Two pieces of metallic wire having equal lengths and equal volume placed in air have different resistances. The two wires must
- a) have different cross-sections
 - b) have different temperatures
 - c) be of different materials
 - d) be of same density
21. The main power supply in India is at 220 V, whereas that in the US is at 110 V. Which one among the following statements in this regard is correct?
- a) 110 V is safer but more expensive to maintain
 - b) 110 V is safer and cheaper to maintain
 - c) 110 V leads to lower power loss
 - d) 110 V works better at higher latitudes
22. The torque on a rectangular coil placed in a uniform magnetic field is large when the
- a) number of turns is large
 - b) number of turns is less
 - c) plane of the coil is perpendicular to the magnetic field
 - d) area of the coil is small
23. A current I flows through a potential difference V in an electrical circuit containing a resistance R . The product of V and I , i.e., VI may be understood as
- a) resistance R
 - b) heat generated by the circuit
 - c) thermal power radiated by the circuit
 - d) rate of change of resistance
24. Which one of the following is a good conductor of electricity?
- a) Shellac
 - b) Human body
 - c) Glass
 - d) Ebonite
25. Sun emits energy in the form of electromagnetic radiation. The following help in the generation of solar energy. Arrange them in the right sequence beginning from the starting of the cycle:

1. Hydrogen is converted to helium at very high temperatures and pressures.
2. The energy finds its way to sun's surface.
3. A vast quantity of energy is generated by nuclear fusion.

Select the correct answer using the code given below.

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

26. Which one of the following is the correct statement? The force binding the nucleons inside the nucleus is:
- a) charge dependent
 - b) strong and highly repulsive
 - c) a central force
 - d) charge independent
27. What is the number of water molecules present in a tiny drop of water (volume 0.0018 ml) at room temperature?
- a) 4.84×10^{17}
 - b) 4.184×10^{18}
 - c) 6.023×10^{19}
 - d) 6.023×10^{23}
28. Protons and neutrons are bound in a nucleus by the
- a) short range 'weak interaction'
 - b) short range 'strong interaction'
 - c) long range 'electromagnetic interaction'
 - d) long range 'gravitational interaction'
29. The following questions consist of two statements, one labelled as the Assertion (A) and the other as 'Reason (R), You are to examine these two statements carefully and select the answers to these items using the codes given below:
- Assertion (A):** Atomic weights of most of the elements are not whole numbers.
- Reason (R):** Atoms of most of the elements contain mixture of isotopes having different atomic weights.
- a) Both A and R are individually true and R is the correct explanation of A
 - b) Both A and R are individually true but R is NOT the correct explanation of A
 - c) A is true but R is false
 - d) A is false but R is true
30. A bee-sting leaves an acid which causes pain and irritation. The injected acid is

- a) acetic acid b) sulphuric acid
c) citric acid d) methanoic acid
- 31. When an alkali-metal reacts with water, which one of the following gases is produced?**
a) Hydrogen b) Oxygen
c) Hydrogen peroxide
d) Ozone
- 32. Which one of the following elements will replace hydrogen from acids to form salts?**
a) Sulphur b) Silicon (Si)
c) Zinc (Zn) d) Phosphorus
- 33. When a copper rod is dipped in aqueous silver nitrate solution, the colour of the solution changes to blue. This is because**
a) Cu is more easily reduced than Ag
b) Ag is more easily reduced than Cu
c) Nitrate ion acts as an oxidizing agent
d) Nitrate ion acts as a reducing agent
- 34. What is the percentage of lead in lead pencil?**
a) 0% b) 25%
c) 50% d) 100%
- 35. Which one of the following is not contained in Portland cement?**
a) $\text{Ca}_3\text{Al}_2\text{O}_6$ b) Ca_3SiO_5
c) Ca_2SiO_4 d) $\text{Ca}_3(\text{PO}_4)_2$
- 36. Which one of the following glasses is used in bullet proof screens?**
a) Soda glass b) Pyrex glass
c) Jena glass d) Reinforced glass
- 37. Iodized salt is a**
a) mixture of potassium iodide and common salt
b) mixture of molecular iodine and common salt
c) compound formed by combination of potassium iodide and common salt
d) compound formed by combination of molecular iodine and common salt
- 38. Consider the following: The concentrate in of hydrogen ions in an aqueous solution is expressed by its**
1. pH **2.** pOH
3. pKa **4.** pKw
Which of the statements given above is/are correct?
a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2, 3 and 4

- 39. Three elements Na, S and O combine to form a compound Na_2SO_3 . What is the valency of S in this compound?**
a) 2+ b) 4+
c) 6+ d) 8+
- 40. Consider the following statements: An external pressure p_0 is applied to the surface of a liquid in a container. Then,**
1. the pressure on all side-walls increases by p_0
2. the pressure on the bottom wall increases by p_0 .
3. the pressure at all points inside the liquid increases by p_0 .
Which of the statements given above is/are correct?
a) 1, 2 and 3 b) 1 and 2 only
c) 1 and 3 only d) 2 and 3 only
- 41. Consider the following statements:**
1. In algae, the reproductive organs are single-celled.
2. Fern plants lack true vascular system.
Which of the statements given above is/are correct?
a) Only 1 b) Only 2
c) Both 1 and 2 d) Neither 1 nor 2
- 42. Which one of the following diseases is caused by bacteria?**
a) Chicken Pox b) Poliomyelitis
c) Influenza d) Tuberculosis
- 43. When dried raisins are put in plain water, they swell up. If put again in brine solution, they shrivel up. This phenomenon indicates the property of**
a) diffusion b) perfusion
c) osmosis d) fusion
- 44. Cell membrane is selectively permeable because**
a) it is made up of selected organic molecules
b) it does not allow transport of some substances from region of higher concentration to the region of lower concentration
c) the movement of organic molecules occurs only at specific concentration
d) it allows the movement of certain molecules in and out of the cell while the movement of other molecules is prevented

45. Which one of the following is a hereditary disease?

- a) Cataract b) Haemophilia
- c) Pellagra d) Osteoporosis

46. In which one of the following animals, is skin a respiratory organ?

- a) Cockroach b) Frog
- c) Shark d) Whale

47. Among the given nutrients, milk is a poor source of

- a) Calcium b) Protein
- c) Carbohydrate d) Vitamin C

48. Which one of the following is not a mammal?

- a) Dolphin b) Shark
- c) Seal d) Whale

49. Cure to spinal injury is likely to emerge from

- a) gene therapy b) stem cell therapy
- c) xenograft d) transfusion

50. Sickle-cell anemia is a disease caused due to the abnormality in

- a) white blood cells
- b) red blood cells
- c) thrombocytes
- d) blood plasma composition

51. The complete digestion of carbohydrates, proteins and fats occurs in

- a) stomach b) liver
- c) small intestine d) large intestine

52. Which of the following rulers checked Harshavardhana's expedition in South India?

- a) Pulakesin I b) Pulakesin II
- c) Vikramaditya I d) Vikramaditya II

53. Consider the following statements

1. The Buddhists in Deccan excavated rock-cut Chaityas and the Vaishnavas, Shaivas and Jainas imitated these in later centuries.
2. The Vaishnavas, Shaivas and Jainas excavated temples at sites far distant from rock-cut Chaityas.

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

54. Consider the following statements:

1. A war of succession started among the four sons of the Emperor Shahjahan in 1657A.D.

2. There was no codified Law of Succession for the Mughal dynasty.

Which of the statements given above is/are correct?

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

55. Who issued firman granting Diwani of Bengal, Bihar and Orissa to the english?

- a) Ahmad Shah b) Bahadur Shah
- c) Farrukh Siyar d) Shah Alam II

56. Who was the first Indian native ruler to accept the system of Subsidiary Alliance?

- a) Scindia of Gwalior
- b) Nizam of Hyderabad
- c) Dalip Singh of Punjab
- d) Gaikwad of Baroda

57. Who among the following annuled the Partition of Bengal?

- a) Lord Chelmsford b) Lord Curzon
- c) Lord Minto d) Lord Hardinge

58. Mahatma Gandhi undertook 'fast unto death' against the Communal Award. He, however, discontinued the fast, because

- a) the Congress leaders successfully prevailed upon Mahatma Gandhi to accept the Award
- b) the British Government with drew the Communal Award
- c) of the conclusion of the Poona Pact
- d) the weaker classes openly opposed the Award

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59. Consider the following statements relating to Gandhian strategy of Satyagraha

- I. Under the Gandhian strategy, which may be described as Struggle-Truce-Struggle (S-T-S), phase of a vigorous extra-legal mass movement and confrontation with colonial authority alternate with phases, during

which direct confrontation is withdrawn.

- II. The entire political process of S-T-S was an upward spiraling one, which also assumed that the freedom struggle would pass through several stages, ending with the transfer of power by the colonial regime itself.

Which of the statements given above is/are correct?

- a) I only b) II only
c) Both I and II d) Neither I nor II

60. Consider the following statements about Gandhiji's thinking on environment.

1. His environmental thinking is rooted in his larger philosophical and moral thinking.
2. He preferred sustainable environmental practices to nourish the soil and the natural world.
3. He laid emphasis on the rigorous ethic of non-injury in our treatment of animals.

Which of the statements given above is/are correct?

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

61. Which one among the following is common to the Treaty of Yandaboo (1826) the Treaty of Salbai (1782) and the Treaty of Gandamak (1879)?

- a) With these treaties, various Indian powers formed alliances to defeat the British
b) These treaties enabled the British to control the South Asian powers
c) These treaties expedited the spread of Indian culture abroad
d) These treaties gave an essential boost to enhanced trade in South Asia.

62. Gandhiji's call for breaking Salt Laws was in response to the

- a) Non-Cooperation Movement
b) Civil Disobedience Movement
c) Khilafat Movement
d) Quit India Movement

63. Which one among the following statements about Civil Disobedience Movement is correct?

- a) It started with Gandhiji's march to Champaran

- b) Under Gandhi-Irwin agreement the Congress agreed to give up Civil Disobedience Movement
c) The British Government was quite soft towards the movement from the beginning
d) There were no violent incidents during the movement

64. Which one of the following political theories advocates the "Dictatorship of Proletariat"?

- a) Democratic socialism
b) Fabian socialism
c) Liberalism
d) Marxism

65. "No Taxation without Representation" was the popular slogan of

- a) Indian freedom struggle
b) American war of independence
c) Russian revolution
d) French revolution

66. Which one of the following is not correctly matched?

- a) Buran: Canada
b) Hurricane: Caribbean Islands
c) Tornado: Southeast USA
d) Typhoon: Philippines

67. The Victoria Falls in Africa is located on which river?

- a) Zaire b) Orange
c) Zambezi d) Niger

68. Which one of the following regions on the surface of Earth has Horse Latitudes?

- a) Equatorial low pressure belt
b) Sub-tropical high pressure belt
c) Sub-polar low pressure belt
d) Polar high pressure belt

69. Who among the following was first to measure the circumference of the Earth?

- a) Eratosthenes b) Aristotle
c) Hecataeus d) Herodotus

70. Consider the following statements

1. The difference between the moisture-holding capacity of air and its actual humidity is called saturation deficit.
2. The temperature to which air has to be cooled in order to reach saturation is called dew point.

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

71. Glaciated regions are associated with

- a) V-shaped valley b) U-shaped valley
- c) sand dunes d) stalactites

72. Consider the following statements.

- I. The tropical year is shorter than the sidereal year
- II. The solar day is longer than the sidereal day

Which of the statements given above is/are correct?

- a) I only b) II only
- c) Both I and II d) Neither I nor II

73. The latitude is the angular distance of a point of the Earth surface, North or South, of the equator as measured from the

- a) centre of the Earth
- b) equator
- c) Tropic of Cancer or Capricorn
- d) Poles

74. Sirocco is a name used to mean

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

75. The Earth's surface receives maximum energy at 12 noon but the maximum temperature never occurs at 12 noon. State which of the following reasons are correct.

- 1. Transformation of solar energy into heat requires some time.
- 2. The loss of energy through long-wave radiations from the Earth's surface exceeds the energy received from the Sun at 4:00 p.m.
- 3. Energy received by the Earth from solar radiations continues to exceed the energy lost by outgoing longwave radiations from the Earth's surface up to 4:00 p.m. Select the correct answer using the code given below:

Code:

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

76. Ferral's law is related to deflection of

- a) cold air-mass
- b) hot air-mass
- c) monsoon air-mass

- d) trade wind and ocean currents

77. **Statement I:** Pressure gradients determine the velocity of winds.

Statement II: When isobars (lines of equal atmospheric pressure) are closely spaced, the wind velocity would be gentle.

- a) Both the statements are individually true and Statement II is the correct explanation of Statement I.
- b) Both the statements are individually true but Statement II is not the correct explanation of Statement I.
- c) Statement I is true but Statement II is false.
- d) Statement I is false but Statement II is true.

78. As per the census of 2001, which one of the following is the correct sequence of states in descending order of their population?

- a) Andhra Pradesh -Karnataka-Tamil Nadu
- b) Andhra Pradesh-Tamil Nadu-Karnataka
- c) Karnataka-Tamil Nadu-Andhra Pradesh
- d) Tamil Nadu-Andhra Pradesh-Karnataka

79. Match List-I with List-II and select the correct answer using the codes given below the lists: List-I

(Mineral Ore) ListII(Location)

- A. Bauxite→1. Kolhapur
- B. Iron→2. Mayurbhanj
- C. Manganese→3. Nellore
- D. Mica →4. Shimoga

Codes: ABCD A B C D

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

80. Haridwar is well-known for which one of the following industries?

- a) Fertilizers b) Cement
- c) Heavy Electricals d) Silk Textiles

81. Indian Standard Time refers to the local time of which one of the following places in India?

- a) Allahabad b) Bhopal
- c) Delhi d) Lucknow

82. The Tropic of Cancer does not pass through

- a) Orissa b) Tripura
- c) Chhattisgarh d) Rajasthan

83. Which one among the following is not a reason for practising tank irrigation in Peninsular India?

- a) The undulating relief and hard rocks

- b) Little percolation of rain water due to impervious rock structure
 - c) Most of the rivers of Peninsular India are perennial
 - d) There are many streams which become torrential during rainy season
- 84. Match List-I with List-II and select the correct answer using the code given below the Lists: List-I**
- List-I**
I (Mountain pass) (State)
- A. Zoji La → 1. Himachal Pradesh
B. Lipulekh → 2. Sikkim
C. Shipki La → 3. Uttarakhand
D. Nathu La → 4. Jammu and Kashmir
- Code:**
- a) A B C D 2 1 3 4
 - b) A B C D 2 3 1 4
 - c) A B C D 4 1 3 2
 - d) A B C D 4 3 1 2
- 85. Assertion(A): The cotton industry in India suffered a major recession soon after the independence. Reason(R): Most of the cotton mills had gone to West Pakistan, India retaining the cotton growing areas**
- a) Both A and R are individually true and R is the correct explanation of A
 - b) Both A and R are individually true but R is NOT the correct explanation of A
 - c) A is true but R is false
 - d) A is false but R is true
- 86. What is the number of Judges (including Chief Justice) in the Supreme Court of India as provided in the Constitution of India?**
- a) 20 b) 24
 - c) 26 d) 28
- 87. In the Union Government, under whose charge is the Cabinet Secretariat?**
- a) The Minister of Parliamentary Affairs
 - b) The President of India
 - c) The Prime Minister of India
 - d) The Union Home Minister
- 88. Which of the following Constitutional Amendments have added Article 15 (5) in the Constitution of India providing for reservation in educational institutions in the private sector also?**
- a) 81st Amendment

- b) 86th Amendment
 - c) 91st Amendment
 - d) 93rd Amendment
- 89. The Legislative Council in a State in India can be created or abolished by the**
- a) Parliament on the recommendation of a Governor of the state.
 - b) Parliament alone
 - c) Parliament after the state assembly passes the resolution of that effect.
 - d) Governor of the state on the recommendation of the Council of Ministers.
- 90. 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
- 91. Whose duty is it to recommend to the President of India on the issue of the distribution and allocation of the net proceeds of taxes in the context of Centre State fiscal relations?**
- a) Planning commission
 - b) National Development Council
 - c) Union Ministry of Finance
 - d) Finance Commission
- 92. Socialism is opposed to**
- a) social security scheme
 - b) equal distribution of wealth
 - c) unrestricted competition
 - d) collective ownership and management
- 93. Which one of the following pairs is correctly matched? UN Organisation Headquarters**
- a) UNESCO: Geneva
 - b) IMF: Paris
 - c) ILO: Washington
 - d)
- 94. What is the number of the permanent members of the UN Security Council?**
- a) Five b) Six
 - c) Ten d) Fifteen
- 95. India is not a member of which one of the following?**
- a) Commonwealth of Independent States
 - b) South Asian Association for Regional Cooperation
 - c) South Asian Free Trade Agreement

- d) World Trade Organization
96. In which one among the following States is the percentage of Scheduled Tribes population to its total population highest?
- a) Chhattisgarh b) Madhya Pradesh
c) Mizoram d) Rajasthan
97. The Copenhagen Summit for Climate Change, 2009 saw
- a) an agreement among the participants over CO₂ emission
b) unanimity of views among the developed and BASIC bloc of countries
c) rise of African countries as a bloc
d) acceptance of the US as a leader to attain the objective of the Copenhagen Summit
98. Consider the following statements about General V.K. Singh
- I. He is the first trained commando to take over as the Chief of the Army Staff of Indian Army.
II. He belongs to the Rajputana Rifles regiment of Indian Army.

III. General Singh succeeded General Deepak Kappor

Which among the statements given above is/are correct?

- a) I, II and III b) I and III only
c) III only d) I and II only
99. Indian Army's counter-insurgency school is situated in
- a) Kanker b) Srinagar
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 List-II (Name of the Shipyard) (Location)
- A. Hindustan Shipyard →1. Kolkata Limited
B. Garden Reach →2. Vasco-da-Gama Shipbuilders & Engineers Limited
C. Goa Shipyard →3. Mumbai Limited
D. Mazagon Dock →4. Visakhapatnam Limited
- Code:
- a) A-4; B-2; C-1; D-3 b) A-3; B-1; C-2; D-4
c) A-4; B-1; C-2; D-3 d) A-3; B-2; C-1; D-4

ANSWER KEY

PART - A

1.b	11.a	21.b	31.d	41.d
2.b	12.b	22.b	32.c	42.a
3.b	13.a	23.c	33.b	43.d
4.a	14.b	24.b	34.c	44.a
5.b	15.a	25.a	35.c	45.a
6.a	16.b	26.b	36.a	46.d
7.b	17.c	27.c	37.b	47.d
8.b	18.d	28.d	38.b	48.a
9.a	19.b	29.d	39.d	49.c
10.a	20.c	30.a	40.b	50.b

PART – B

1.b	21.a	41.a	61.b	81.a
2.a	22.a	42.d	62.b	82.a
3.c	23.c	43.c	63.b	83.c
4.c	24.b	44.d	64.d	84.d
5.d	25.d	45.b	65.b	85.a
6.a	26.d	46.b	66.a	86.c
7.d	27.c	47.d	67.c	87.c
8.c	28.b	48.b	68.b	88.d
9.d	29.a	49.b	69.a	89.c
10.d	30.d	50.b	70.c	90.b
11.a	31.a	51.c	71.b	91.d
12.d	32.c	52.b	72.a	92.c
13.c	33.b	53.a	73.b	93.d
14.c	34.a	54.c	74.a	94.a
15.c	35.d	55.d	75.c	95.a
16.d	36.d	56.b	76.d	96.c
17.c	37.a	57.d	77.a	97.a
18.c	38.a	58.c	78.b	98.a
19.c	39.b	59.c	79.b	99.d
20.c	40.a	60.c	80.c	100.c