ALLEN CAREER INSTITUTE KOTA (RAJASTHAN)

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FORM NUMBER

DISTANCE LEARNING PROGRAMME

(ACADEMIC SESSION 2020-2021)

NTSE (STAGE-II) TEST SERIES

SCHOLASTIC APTITUDE TEST (SAT)

MOCK TEST # 3(B) DATE : 18-04-2021

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. Duration of Test is **120 Minutes** and Questions Paper Contains **100 Questions**. Total Marks are **100**.
2. Answers are to be given on a separate OMR sheet.
3. There are 100 questions in this test. All are compulsory. The question numbers 1 to 40 belong to Science, 41 to 60 pertain to Mathematics and 61 to 100 are on Social Science subjects. 120 minutes are alloted for Science, Mathematics and Social Science.
4. Please follow the instructions given on the OMR sheet for marking the answers.
5. Mark your answers for questions 1–100 on the OMR sheet by darkening the circles.
6. Every correct answer will be awarded one mark. **THERE IS NO NEGATIVE MARKING.**
7. If you do not know the answer to any question, do not waste time on it and pass on to the next one. Time permitting, you can come back to the questions, which you have left in the first instance and attempt them.
8. Since the time allotted for this question paper is very limited you should make the best use of it by not spending too much time on any one question.
9. Rough work can be done anywhere in the booklet but not on the OMR sheet/loose paper.
10. Please return the OMR sheet to the invigilator after the test.

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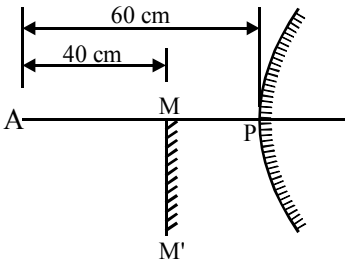
1. An object A is placed on the principal axis of a convex mirror at a distance of 60 cm in front of it. A plane mirror is inserted between the object and the convex mirror at a distance of 40 cm from the object with the reflecting surface of the plane mirror facing the object. If the images formed by the two mirrors coincide, the radius of curvature of the convex mirror is

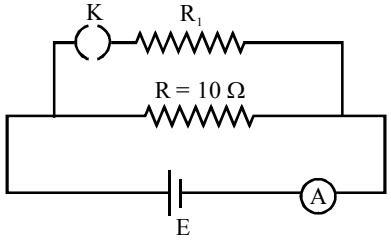


(1) 30 cm (2) 60 cm (3) 15 cm (4) 45 cm

2. A cyclist accelerates uniformly from rest and reaches to a location at 9 m/s along a straight path. If the cyclist covers the last 10 m of his ride in 2 sec, the acceleration of cyclist is

(1) 5 m/s^2 (2) 3 m/s^2 (3) 8 m/s^2 (4) 4 m/s^2

3. The internal resistance of the cell shown in fig. is negligible. On closing the key K, the ammeter reading changes from 0.25 A to $\frac{5}{12}$ A, then



(1) R_1 = 10 Ω

(2) the potential difference across R decreases.

(3) the power drawn from the cell increases.

(4) the current through R decreases by 40%.

4. A tuning fork is excited by striking it with a padded hammer. What would be the nature of the vibrations executed by the prongs as well as the stem of the fork respectively? (The reference direction is that of the propagation of the sound wave.)

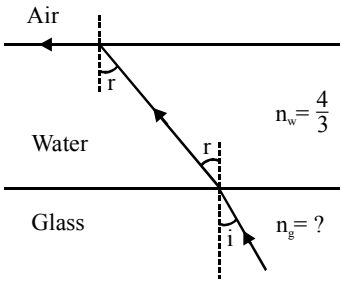
(1) Both vibrate longitudinally.

(2) Both vibrate transversely.

(3) The prongs vibrate longitudinally whereas the stem vibrates transversely.

(4) The prongs vibrate transversely whereas the stem vibrates longitudinally.

5. A ray of light is incident at the glass-water interface at an angle i. It emerges finally parallel to the surface of water. Then the value of n_g would be



(1) (4/3) sin i (2) 1/sin i

(3) 4/3 (4) 1

6. A 2 kg body falls from infinity to the surface of earth. What will be the kinetic energy of the body on reaching the surface of Earth? (Assume escape velocity to be 10^4 ms^{-1})

(1) 10^8 J (2) 10^{16} J (3) 10^{20} J (4) 10^{24} J

7. Two blocks of masses m_1 and m_2 are connected by a light spring on a smooth horizontal surface. The two masses are pulled apart and released, Then, the ratio of the magnitudes of acceleration of the masses will be

(1) $\frac{a_1}{a_2} = \frac{m_1}{m_2}$ (2) $\frac{a_1}{a_2} = \frac{m_2}{m_1}$

(3) $\frac{a_1}{a_2} = 1$ (4) None of these

8. A copper ring is held horizontally and a bar magnet is dropped through the ring with its length along the axis of the ring. The acceleration of the falling magnet is

(1) equal to that due to gravity.

(2) less than that due to gravity.

(3) more than that due to gravity.

(4) depends on the diameter of the ring and the length of the magnet.

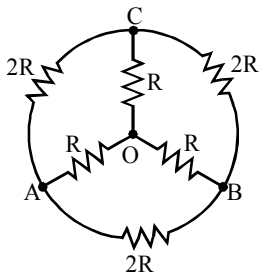
9. If the kinetic energy of a body is directly proportional to time 't', the speed of body is
(1) inversely proportional to t.
(2) directly proportional to $\sqrt{t}$.
(3) directly proportional to the work done on the body.
(4) None of these.

10. A stone thrown upwards with speed u attains maximum height h. Another stone thrown upwards from the same point with speed 2u attains maximum height H. What is the relation between h and H?
(1) 2h = H (2) 3h = H
(3) 4h = H (4) 5h = H

11. A beam of electrons passes undeflected through mutually perpendicular electric and magnetic fields. If the electric field is switched off, and the same magnetic field is maintained, the electrons move
(1) in a circular orbit.
(2) along a parabolic path.
(3) along a straight line.
(4) in an elliptical orbit.

12. A bag of sand of mass M is hanging from a rope. A bullet of mass $\frac{M}{m}$ is fired at it with a velocity v. The bullet gets embeded into the bag. What will be the velocity of bag after the bullet gets embeded into it?
(1) $\frac{Mmv}{(M+m)}$ (2) $\frac{mv}{(M+1)}$
(3) $\frac{v}{(m+1)}$ (4) $\frac{Mv}{m(M+m)}$

13. What is the equivalent resistance between the points A and B of the network shown below?



(1) R (2) $\frac{3}{4}$R (3) $\frac{4}{5}$R (4) $\frac{10}{3}$R

14. The force of attraction due to a hollow spherical shell of uniform density (ρ) on a point mass 'm' placed at the centre of the shell will be
(1) $\frac{4}{3}G\pi R\rho$ (2) $\frac{3g}{4\pi R\rho}$
(3) $\frac{G\rho}{R^2}$ (4) Zero

15. Which one of the following is a different pair?
(1) Li,Na (2)Be,Ba
(3) N,As (4)O,At

16. In which of the following properties hydrogen does not show similarity with alkali metals?
(1) Electropositive nature
(2) Reducing nature
(3) Electronic configuration
(4) Diatomic nature of molecule

17. A compound contains 38.8% C,16% H, and 45.2%N. What is its empirical formula?
(1) CH_3NH_2 (2) CH_2CN
(3) C_2H_5CN (4) $C_8H_{12}NO_2$

18. The number of moles of $BaCO_3$ which contain 1.5 mole of oxygen atoms is [Ba – 137]
(1) 0.5 (2)1
(3) 3 (4) 6.02×10^{23}

19. Which of the following are isotopes?
(1) Oxygen and Ozone
(2) Ice and Steam
(3) Nitric Oxide and Water
(4) Hydrogen and Deuterium

20. An element "X" belongs to group 2 and period 3 of the periodic table .The chemical formula of its nitrate,sulphate and phosphate respectively will be-
(1) $X(NO_3)_2$, XSO_4, $X_3(PO_4)_2$
(2) XNO_3, XSO_4, XPO_4
(3) $X_3(NO_3)_2$, $X_2(SO_4)_2$, $X_2(PO_4)_3$
(4) $X(NO_3)_3$, $X_2(SO_4)_3$, $X_2(PO_4)_3$

21. Which of these are true?

(1) gases have high density.

(2) gases can be compressed more than solids.

(3) gases have very specific shape .

(4) all of these.

22. Which of the following statements is correct?

(1) When a salt is dissolved in water, neutralization reaction takes place.

(2) KNO_3 when dissolved in water will give solution having pH<7.

(3) When $CuSO_4$ is dissolved in water it gives a solution having pH < 7.

(4) Aqueous solution of Na_2CO_3 has pH=7.

23. What mass of O_2 will contain the same number of molecules as 2.5 moles of Cl_2?

(1) 180 g (2)100 g

(3)71 g (4)80 g

24. On which of the following substance will you pour hydrochloric acid if you wish to prepare carbon di-oxide gas in laboratory?

(1) Zinc particles

(2) Copper sulphate particles

(3) Pieces of marble

(4) Ammonium Chloride

25. What is the amount of water produced by complete combustion of 16 g of methane ?

(1) 16 g (2) 18 g (3) 32 g (4) 36 g

26. Magnesium metal is heated to redness in the presence of Nitrogen and on cooling water is added.The gas evolved is-

(1)N_2 (2)H_2 (3)NH_3 (4)O_2

27. (A) A mixture of iron dust and sulphur can be separated by a magnet.

(B) On heating ,a black powder is obtained which does not respond to magnet.

Which of the following is the correct explanation for observations given.

(1) Iron loses its magnetic properties on heating.

(2) Iron vaporizes due to strong heating.

(3) Iron combines with sulphur and loses its magnetic properties.

(4) Sulphur vaporizes on heating which affects the properties of mixture.

28. Given below are the characteristics of different types of vegetative reproduction in higher plants. State which among them is/are false.

(i) In Gladiolus, vegetative propagation takes place by forming corms.

(ii) Stem cuttings are used for propagation in cactus.

(iii) Micropropagation is not a method of vegetative propagation

(iv) Vegetative propagation by layering is done in apple and mango.

(1) (i), (iii) and (iv) (2) (iii) and (iv)

(3) (ii) and (iv) (4) (ii), (iii) and (iv)

29. Internode elongation in corn results from the growth of

(1) Intercalary meristem

(2) Lateral meristem

(3) Apical meristem

(4) All of the above

30. Yeast is used in wine and beer industries because it respires

(1) Aerobically producing oxygen

(2) Aerobically producing alcohol

(3) Anaerobically producing alcohol

(4) Anaerobically producing lactic acid

31. Which of the these has a double and closed type of circulatory system ?

(1) Cockroach, Fish

(2) Fish, Frog

(3) Earthworm, Human

(4) Birds, Human

32. If a cross is made between AaTT and aatt where A stands for red dominant and T for tall dominant, what will be the percentage of red tall plants :

(1) 25 % (2) 50 %

(3) 75 % (4) 100 %

33. Select the correct option that represents examples of the following types of animals.

(i) Cold blooded animal

(ii) Warm blooded animal

(iii) Animal possessing dry and cornified skin

(iv) Monoecious animal

	(i)	(ii)	(iii)	(iv)
(1)	Frog	Pigeon	Wall lizard	Earthworm
(2)	Pigeon	Frog	Crocodile	Hydra
(3)	Rabbit	Fish	Frog	Earthworm
(4)	Fish	Frog	Wall lizard	Starfish

34. How is the plasma membrane of a cell organized?

(1) One layer of phospholipids, through which proteins freely move

(2) One layer of phospholipids, which are laid out end-to-end, with a hydrophobic tail touching a hydrophilic head

(3) Two layers of phospholipids, each of which has its hydrophilic side turned inward

(4) Two layers of phospholipids, with their polar hydrophilic heads facing away from each other

35. Which of these is NOT part of the endomembrane system of the cell?

(1) Mitochondria

(2) Endoplasmic reticulum

(3) Lysosomes

(4) Golgi complex

36. Pathogens of mumps, small pox, herpes and influenza :

(1) Have definite position in Whittaker's system of classification

(2) Contain only RNA as nucleic acid

(3) Were found to be a free RNA

(4) Could be crystallised

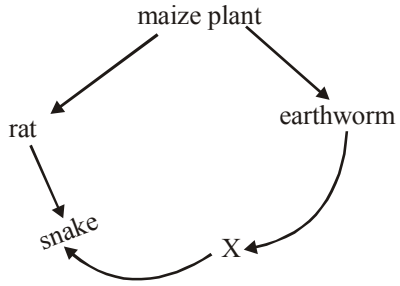
37. Match the column I with column II and choose the correct option.

Column I	**Column II**
A. Funaria	p. Liverwort
B. Azolla	q. Water silk
C. Riccia	r. Aquatic fern
D. Spirogyra	s. Moss

(1) A-s, B-r, C-p, D-q (2) A-p, B-q, C-r, D-s

(3) A-s, B-r, C-q, D-p (4) A-q, B-r, C-s, D-p

38. Study the food web given below.



Which of the following organisms is likely to be X?

(1) Grasshopper (2) Chick

(3) Cow (4) Tiger

39. Ptyalin cannot work in stomach, because it becomes

(1) Inactive due to HCl

(2) Inactive due to Renin

(3) Inactive due to Pepsin

(4) None of these

40. Heart of frog is 3-chambered (2 auricles and 1 ventricle) and mixed type of blood flows in the body, whereas in case of fish the heart is 2-chambered with 1 auricle and 1 ventricle. The type of blood the flows through the heart of fish is :

(1) mixed blood

(2) auricle has venous blood and ventricle has arterial blood

(3) venous blood

(4) arterial blood

41. Two distinct polynomials f(x) and g(x) are defined as follows:

$f(x) = x^2 + ax + 2$; $g(x) = x^2 + 2x + a$.

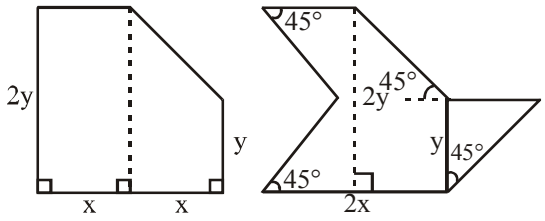
If the equations f(x) = 0 and g(x) = 0 have a common root then the sum of roots of the equation f(x) + g(x)= 0 is-

(1) $-\frac{1}{2}$ (2)0 (3) $\frac{1}{2}$ (4) 1

42. Let P be an interior point of a triangle ABC. Let Q and R be the reflection of P in AB and AC, respectively. If Q, A, R are collinear then $\angle A$ equals

(1) 30° (2) 60° (3) 90° (4) 120°

43. In the figure given below, if the areas of the two regions are equal then which of the following is true.



(1) x = y (2) x = 2y

(3) 2x = y (4) None of these

44. Let x, y, z be positive reals. Which of the following implies x = y = z?

(I) $x^3 + y^3 + z^3 = 3xyz$

(II) $x^3 + y^2z + yz^2 = 3xyz$

(III) $x^3 + y^2z + z^2x = 3xyz$

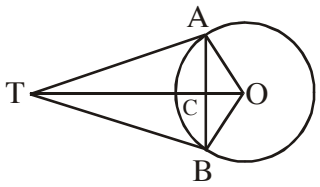
(IV) $(x + y + z)^3 = 27\ xyz$

(1) I, IV only (2) I, II, IV only

(3) I, II and III only (4) All of them

45. TA, TB are tangents to a circle with centre O, chord AB intersects TO at C.

Given $\frac{1}{OA^2}+\frac{1}{TA^2}=\frac{1}{36}$, then the value of AB is



(1) 10 (2) 12 (3) 14 (4) 8

46. The angle of depression from the top of a tower of a point A on the ground is 30°. On moving a distance of 20 m from the point A towards the foot of the tower to a point B, the angle of elevation of the top of the tower from the point B is 60°. Find the height of the tower and its distance from the point A.

(1) 15.54, 25.5 (2) 12.25, 20

(3) 18.5, 33.4 (4) 17.3, 30

47. The median of all 4-digit number that are divisible by 7 is

(1) 5497 (2) 5498.5

(3) 5499.5 (4) 5490

48. Sum of the roots of the equation

$4^x - 3(2^{x+3}) + 128 = 0$

(1) 0 (2) 5 (3) 7 (4) 8

49. The coefficients of x^7 in the polynomial expansion of $(1 + 2x - x^2)^4$ is

(1) -8 (2) 12 (3) 6 (4) -12

50. The number of solid cones with integer radius and height each having its volume numerically equal to its total surface area is

(1) 0 (2) 1

(3) 2 (4) infinite

51. If the line segment joining (2, 3) and (–1, 2) is divided internally in the ratio 3 : 4 by the graph of the equation x + 2y = k, the value of k is

(1) $\frac{5}{7}$ (2) $\frac{31}{7}$ (3) $\frac{36}{7}$ (4) $\frac{41}{7}$

52. P is a point on the graph of y = 5x + 3. The coordinates of a point Q are (3, –2). If M is the mid point of PQ, then M must lie on the line represented by

(1) y = 5x + 1 (2) $y = \frac{5}{2}x-\frac{7}{2}$

(3) y = 5x – 7 (4) $y = \frac{5}{2}x+\frac{1}{2}$

53. A set has exactly five consecutive positive integers starting with 1. What is the percentage decrease in the average of the numbers when the greatest number is removed from the set?

(1) 6.66 (2) 16.66 (3) 9 (4) 5

54. Let $P(x) = P(0) + P(1)x + P(2)x^2$ be a polynomial such that P(–1) = 1, then P(3) is :

(1) 1 (2) 2 (3) 3 (4) 5

55. Let $p(x) = x^2 - 5x + a$ and $q(x) = x^2 - 3x + b$, where a and b are positive integers, Suppose HCF (p(x), q(x)) = x – 1 and k(x) = LCM (p(x), q(x)). If the coefficient of the highest degree term of k(x) is 1, the sum of the roots of (x – 1) + k(x) is -

(1) 4 (2) 5 (3) 6 (4) 7

56. In a triangle ABC with $\angle A = 90°$, P is a point on BC such that PA : PB = 3 : 4. If AB = $\sqrt{7}$ and AC = $\sqrt{5}$ then BP : PC is -

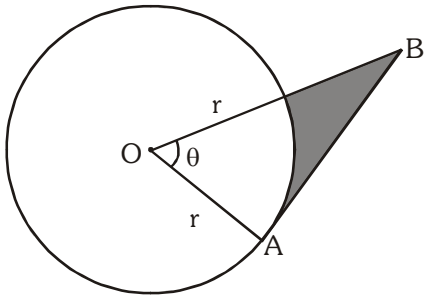
(1) 2 : 1 (2) 4 : 3 (3) 4 : 5 (4) 8 : 7

57. The number of all 3-digit number abc (in base 10) for which

$(a \times b \times c) + (a \times b) + (b \times c) + (c \times a) + a + b + c = 29$ is

(1) 6 (2) 10 (3) 14 (4) 18

58. Find the perimeter of the shaded region.



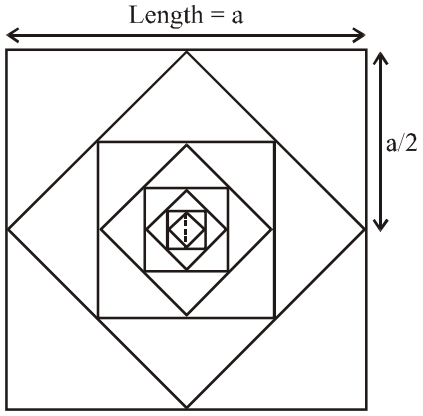
(1) $r(\sec\theta - \tan\theta + \frac{\pi\theta}{180} - 1)$

(2) $r(\tan\theta - \sec\theta - \frac{\pi\theta}{180} - 1)$

(3) $r(\tan\theta + \sec\theta + \frac{\pi\theta}{180} - 1)$

(4) $r(-\tan\theta - \sec\theta - \frac{\pi\theta}{180} - 1)$

59. Let S_1 be the sum of areas of the square whose sides are parallel to coordinate axes. Let S_2 be the sum of areas of the slanted squares as shown in the figure. Then S_1/S_2 is



(1) 2 (2) $\sqrt{2}$ (3) 1 (4) $\frac{1}{\sqrt{2}}$

60. If $a^2 + b^2 + 2c^2 - 4a - 2c - 2bc + 5 = 0$ then possible value of a + b - c

(1) 1 (2) 2 (3) -1 (4) -2

61. In the question given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option:

Assertion (A): In February 1922, Mahatma Gandhi decided to withdraw the Non-Cooperation Movement.

Reason (R): It was done due to Gandhi-Irwin Pact.

(1) Both A and R are true and R is the correct explanation of A.

(2) Both A and R are true but R is not the correct explanation of A.

(3) A is correct but R is wrong.

(4) A is wrong but R is correct.

62. In the question given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option:

Assertion (A) : From the very beginning, the French Revolutionaries introduced various measures and practices like the idea of a new Tri-colour French Flag.

Reason (R) : This was done to create a sense of collective identity amongst the French People.

(1) Both A and R are true and R is the correct explanation of A.

(2) Both A and R are true but R is not the correct explanation of A.

(3) A is correct but R is wrong.

(4) A is wrong but R is correct.

63. Which of the following is not true regarding Cement Industry?

(1) The first cement plant was set up in Chennai in 1904

(2) It requires bulky and heavy materials like limestone, etc.

(3) Efforts are being made to generate adequate domestic demand and supply in order to destroy this industry

(4) The industry has plants in Gujarat

64. After French revolution in France to qualify as an elector and then as a member of the Assembly, a man had to belong to the:

A. Highest bracket of taxpayers

B. Category of active citizen

C. Nobility or clergy

D. Jacobins Club

(1) Both A & B (2) Both A & C

(3) Both C & D (4) All A, B, C & D

65. Which one of the following is not true regarding the National Jute Policy of 2005 ?

(1) Creating awareness about the use of biodegradable materials

(2) Ensuring good prices to the jute farmers

(3) Increasing productivity

(4) Improving quality of Jute

66. **Assertion (A):** Hunger is not just an expression of poverty, it shows poverty.

Reason (R): Hunger is a consequence of diets persistently inadequate in terms of quantity and quality.

(1) Both A and R are true, and R explains A.

(2) Both A and R are true, but R does not explain A.

(3) A is true and R is false.

(4) A is false and R is true.

67. Find the incorrect match

(1) Mettur – Kaveri

(2) Hirakud – Mahanadi

(3) Rana Pratap Sagar – Chambal

(4) Salal – Yamuna

68. Roof top rain water harvesting is the most common practice in :

(1) Shillong (2) Meghalaya

(3) Both (1) and (2) (4) None of these

69. Match the following:

Column-I		Column-II	
(A)	Milpa	(I)	Mexico and Central America
(B)	Conuco	(II)	Venzuela
(C)	Roca	(III)	Brazil
(D)	Masole	(IV)	Central Africa

(1) A-III, B-I, C-II, D-IV

(2) A-II, B-I, C-III, D-IV

(3) A-III, B-II, C-I, D-IV

(4) A-I, B-II, C-III, D-IV

70. Which among the following is incorrect?

A. Abrasive minerals like silica, limestone, aluminium oxide and various phosphate minerals do the filling cavities.

B. Fluoride which is used to reduce cavities, comes from a mineral fluorite.

C. Most toothpaste are made white with titanium oxide, which comes from minerals called rutile, ilmenite and anatase.

D. The sparkle in some toothpastes comes from mica.

(1) A and D (2) ABCD

(3) C and D (4) Only A

71. Coal mining in Jowai and Cherrapunjee is done by family member in the form of a long narrow tunnel, known as :

(1) Rat hole mining (2) Quarrying

(3) Dumping (4) All of these

72. **Assertion :** Mica has low power loss factor, insulating properties and resistance to high voltage

Reason : This is because it has excellent di-electric strength

(1) Assertion is correct , Reason is incorrect

(2) Assertion is incorrect , Reason is correct

(3) Both Assertion and Reason are correct and Reason given is the correct explanation of Assertion

(4) Both Assertion and Reason are correct, but the reason given is not the correct explanation of Assertion

73. Aluminium smelting plants in the country are located in :

(1) Odisha (2) West Bengal

(3) Uttar Pradesh (4) All of these

74. ___ is the longest and traverses 2,369 km between Varanasi and Kanyakumari via Jabalpur, Nagpur, Hyderabad, Bangalore and Madurai.

(1) National Highway-7

(2) National Highway-8

(3) National Highway-15

(4) National Highway-12

75. Some States were created not on the basis of language but to recognise differences based on culture, ethnicity or geography. These include States like

(1) Nagaland (2) Uttarakhand

(3) Jharkhand (4) All of these

76. Which among the following is not a major regional party in West Bengal?

(1) Janta Dal Secular

(2) Forward Block

(3) Trinamool Congress

(4) Revolutionary Socialist Party

77. **Statement I :** Industrial zones, called Special Economic Zones (SEZs), are to have world class facilities: electricity, water, roads, transport, storage, recreational and educational facilities.

Statement II : Companies who set up production units in the SEZs do not have to pay taxes for an initial period of seven years

(1) Statement I is true and II is False

(2) Statement I is False and II is True

(3) Both are true

(4) Both are False

78. **Statement I :** National Income is calculated in dollars for all countries

Statement II : So that, it can be compared. It is also done in a way so that every dollar would buy the same amount of goods and services in any country.

(1) Statement I is true and II is False

(2) Statement I is False and II is True

(3) Both are true

(4) Both are False

79. Consider the following statements:

A. Gas pipeline from Hazira in Gujarat connects Jagdishpur in Bihar

B. It crosses via Vijaipur in Madhya Pradesh.

C. It has branches to Kota in Rajasthan, Shahajahanpur, Babrala and other places in Uttar Pradesh

Which among the above statements is/are true?

(1) A, B and C (2) Only A

(3) Only B and C (4) Only C

80. Who can remove the Vice-President from his office?

(1) President

(2) Prime Minister

(3) Parliament

(4) Legislative assemblies of the state

81. Which among the following is false?

(1) The fall of the Jacobin government allowed the wealthier middle classes to seize power

(2) A new constitution was introduced which denied the vote to non-propertied sections of society

(3) The Directors often clashed with the legislative councils

(4) The Economic instability of the Directory paved the way for the rise of a military dictator, Napoleon Bonaparte.

82. The Imperial Russian army came to be known as the _____.

(1) Russian steam roller (2) Aurora

(3) Red Shirts (4) Tsarist Gunners

83. Arrange the following in correct Chronological order:

(a) President Hindenburg offered the Chancellorship, the highest position in the cabinet of ministers, to Hitler.

(b) Special surveillance and security forces were created to control and order society in ways that the Nazis wanted

(c) The famous Enabling Act was passed.

(d) The Fire Decree indefinitely suspended civic rights like freedom of speech, press and assembly that had been guaranteed by the Weimar constitution

(1) a,b,c,d (2) b,a,c,d

(3) c,a,b,d (4) a,d,c,b

84. Der Giftpilz is :

(1) The Poison Mushroom

(2) Nuremberg Sturmer

(3) The Poison Bread

(4) None of these

85. Match the following :

Column-I		Column-II	
(A)	Dhars	i.	The high meadows
(B)	Bhabar	ii.	A dry forested area below the foothills of Garhwal and Kumaun
(C)	Bugyal	iii.	Vast meadows in the high mountains
(D)	The Raikas	iv.	their settlement is called a dhandi.

(1) A-i, B-ii, C-iv, D-iii

(2) A-ii, B-i, C-iv, D-iii

(3) A-i, B-ii, C-iii, D-iv

(4) A-ii, B-iv, C-iii, D-i

86. Find out the incorrect statement :

(1) Britain had a 'trade surplus' with India.

(2) Britain used this surplus to balance its trade deficits with other countries

(3) Britain played a crucial role in the late-nineteenth-century world economy

(4) None of these

87. Arrange the following in correct chronological order

(a) Unification of Italy

(b) Unification of Germany

(c) Greek struggle for independence begin

(d) Napolean invades Italy

(1) d, c, a, b (2) d, b, a, c

(3) a, d, b, c (4) a, b, d, c

88. Find out the incorrect statement from the following —

(a) During the 1830s, Giuseppe Mazzini had sought to put together a coherent programme for a unitary Italian Republic.

(b) He had also formed a secret society called Carbonari for the dissemination of his goals

(c) The failure of revolutionary uprisings both in 1831 and 1848 meant that the mantle now fell on Sardinia-Piedmont

(d) In the eyes of the peasants of this region, a unified Italy offered them the possibility of economic development and political dominance.

(1) a and b (2) b and c

(3) b and a (4) b and d

89. **Statement I :** In the Gudem Hills of Tamil Nadu a militant guerrilla movement spread 18th century.

Statement II : When the government began forcing peasants to contribute begar for palace building, the hill people revolted.

(1) Statement I is true and II is False

(2) Statement I is False and II is True

(3) Both are true

(4) Both are False

90. Match the Columns :

Column-I		Column-II	
(A)	Jan, 1921	(i)	Distressed UP peasants organised by Baba Ramchandra
(B)	1918-19	(ii)	Non-Cooperation and Khilafat movement launched
(C)	May, 1924	(iii)	Alluri Sitarama Raju arrested ending a two-year armed tribal struggle.
(D)	Dec, 1931	(iv)	Second Round Table Conference

(1) A-iii, B-ii, C-i, D-iv (2) A-ii, B-i, C-iii, D-iv

(3) A-iii, B-i, C-ii, D-iv (4) A-ii, B-iii, C-i, D-iv

91. He was the founder of the Mexican Communist Party and prominent cominterm leader in India, China and Europe. He was in central Asia at the time of civil war in the 1920s. Who is 'He' in the given lines?
(1) J.L. Nehru
(2) M.K. Gandhi
(3) M.N. Roy
(4) Alexander Benniger

92. Rousseau gave the people of France the concept of democracy through his book called:
(1) The Social Contract
(2) The Parliament
(3) The Two Treaties of Government
(4) The Spirit of the Laws

93. Provisional Government in Russia was led by:
(1) Lenin (2) Stalin
(3) Bolsheviks (4) Kerenskii

94. Which among the following is not true :
(1) President is the head of the state and is the highest formal authority in the country.
(2) Prime Minister is the head of the government and takes most of the decisions in the Cabinet meetings.
(3) Parliament consists of two Houses, Lok Sabha and Rajya Sabha.
(4) The President must have the support of a majority of Lok Sabha members.

95. Match the following :

Column-I		Column-II	
(A)	The Congress party	i.	Land to the Tiller
(B)	Janata Party	ii.	Save Democracy
(C)	The Left Front	iii.	Garibi Hatao (Remove poverty)
(D)	Telugu Desam Party	iv.	Protect the Self-Respect of Telugus

(1) A-iii, B-i, C-ii, D-iv (2) A-ii, B-i, C-iii, D-iv
(3) A-iii, B-ii, C-i, D-iv (4) A-ii, B-iii, C-i, D-iv

96. My friend hails from a state which does not share land boundary with Bhutan. Identify the state.
(1) Assam (2) Mizoram
(3) Arunachal Pradesh (4) West Bengal

97. Arrange the following in the order of increasing height.
A. Annapurna - Nepal
B. Makalu - Nepal
C. Namcha Barwa - India
(1) C,B,A (2) B,C,A
(3) A,B,C (4) C,A,B

98. **Assertion :** The Godavari is also known as the 'Dakshin Ganga'.
Reason : It is the largest river of India.
(1) Assertion is correct , Reason is incorrect
(2) Assertion is incorrect , Reason is correct
(3) Both Assertion and Reason are correct and Reason given is the correct explanation of Assertion
(4) Both Assertion and Reason are correct, but the reason given is not the correct explanation of Assertion

99. **Statement-I :** The western cyclonic disturbances are weather phenomena of the winter months brought in by the westerly flow from the Mediterranean region. They usually influence the weather of the north and north-western regions of India.
Statement-II : Tropical cyclones occur during the monsoon as well as in October November, and are also part of the westerly flow. These distrurbances affect the coastal regions of the country.
(1) Statement-I is true and Statement-II is False
(2) Statement-I is False and Statement-II is True
(3) Both are true
(4) Both are False

100. **Statement I -** Rainfall is low in east of Sahyadris.
Statement II - Eastern slopes of Sahyadris lies on the windward side of advancing monsoon.
(1) Statement I and Statement II, both are True and Statement II is the correct explanation of Statement I
(2) Statement I and Statement II, both are True and Statement II is not the correct explanation of Statement I
(3) Statement I is true and Statement II is false
(4) Statement I is false and Statement II is true