NEET Sarthi KOTA

PRE-NURTURE DIVISION

SESSION: 2021-2022
NTSE
SCHOLASTIC APTITUDE TEST (SAT)
MOCK TEST-02

Medium: English

IMPORTANT INSTRUCTIONS

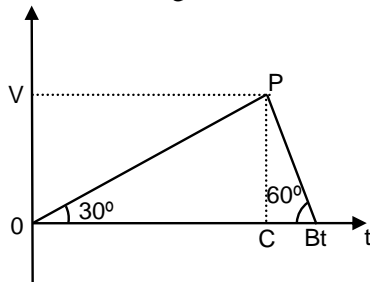Do not open this test Booklet until you are asked to do so

1. Duration of test is 120 minutes and question paper contains 100 questions. Total marks are 100.
2. Answer 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 belong to Mathematics, 61 to 100 belong to Social Science.
4. Please follow instructions given on the OMR sheet for marking the answer.
5. Mark your answer for question 1-100 on the OMR sheet by darkening the circles
6. If you do not know the answer to any question, do not waste time on it and pass on to the next one. If time permits, you can come back to the questions, which you have left in the instance and attempt them.
7. Since the time allotted for this question paper is very limited, you should make the best of it by not spending too much time on any one question.
8. Rough work can be done anywhere in the booklet but not on the OMR sheet/ loose paper.
9. Every correct answer will be awarded one mark. There is no negative marking
10. Please return the Test-Booklet and OMR sheet to the invigilator after the test.

PHYSICS

Q.1 A stone is dropped into a well in which the levl of water is H metre below the top of the well. If v is velocity of sound in air, the time after which the splash is heard will be given by
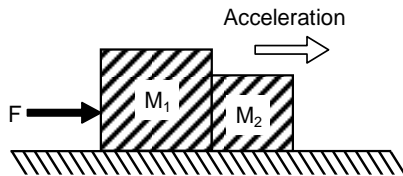
(1) $\dfrac{2H}{V}$

(2) $\sqrt{\dfrac{2H}{g}} + \dfrac{H}{V}$

(3) $\sqrt{\dfrac{H}{2g}} + \dfrac{2H}{V}$

(4) $\sqrt{\dfrac{2H}{V}} + \dfrac{H}{g}$

Q.2 The velocity (v) – time (t) graph of a body is shown in the figure. The ratio of the average acceleration during the intervals OC and CB is
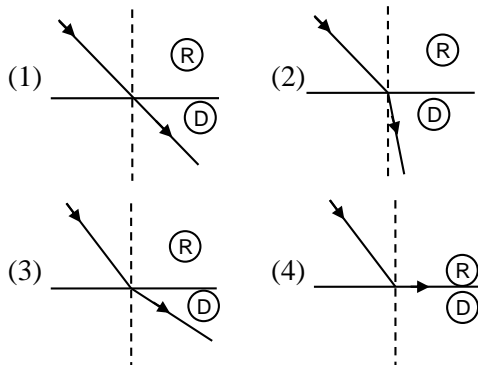

(1) 3   (2) 2   (3) 1/2   (4) 1/3

Q.3 A single horizontal force F is applied to a block of mass M_1 which is in contact with another block of mass M_2. If the surfaces are frictionless, the force between the blocks is

(1) $\dfrac{M_1 F}{M_2}$

(2) $\dfrac{M_1 M_2 g}{M_1 + M_2}$

(3) $\dfrac{M_2 F}{M_1 + M_2}$

(4) none these

Q.4 Which of the following shows the bending of light from rarer (R) into denser (D) medium ?
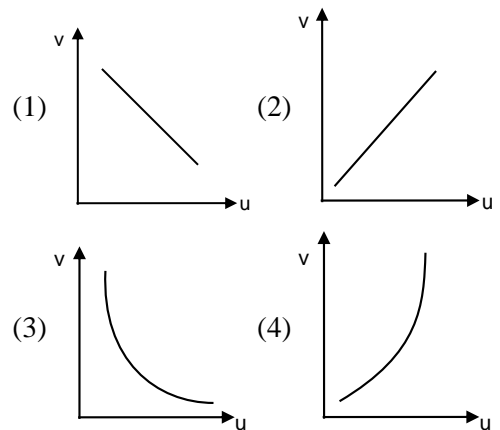

Q.5 It is common notion that the earth's magnetism is due to the

(1) presence of a huge permanent magnet in the interior of the earth

(2) presence of a electric currents circulating in the interior of the earth

(3) influence of the sun's magnetic field

(4) influence of a nuclear explosion

Q.6 A rectangular conducting cube (resistivity ρ) has dimensions $\ell \times b \times h$. When current is passed through the length side, the resistance offered by the cube is

(1) $\dfrac{\rho \ell}{bh}$ (2) $\dfrac{\rho b}{h\ell}$ (3) $\dfrac{\rho h}{\ell b}$ (4) $\rho \dfrac{\ell b}{h^2}$

Q.7 In case of a concave mirror, when we move the object from infinity to focus of the mirror (i.e.u decreases from ∞ to f), the image moves from focus to ∞. So, the correct graph is shown by

Q.8 A concave mirror of focal length f (in air) is immersed in water ($\mu = 4/3$). The focal length of the mirror in water will be

(1) $\dfrac{f}{3}$ (2) $\dfrac{f}{2}$ (3) $\dfrac{3f}{4}$ (4) f

Q.9 A plane mirror produces a magnification of

(1) 1   (2) –1

(2) 0   (3) between O and ∞

Q.10 A stationary ball weighing 0.25 kg acquires a speed of 10 m/s when hit by a hockey stick. The impulse imparted to the ball is

(1) 2.5 Ns   (2) 2 Ns   (3) 1.5 Ns   (4) 0.5 Ns

Q.11 The energy available due to the difference in the temperature of water at the surface of the ocean and at deeper levels is called
(1) tidal energy
(2) wind energy
(3) solar energy
(4) none of these

Q.12 India's uranium supply comes mainly from the Jaduguda mines in
(1) Bihar
(2) Madhya Pradesh
(3) Maharashtra
(4) none of these

Q.13 Which of the following cannot be used for measuring time in a spaceship orbiting around the earth ?
(1) quartz watch
(2) atomic clock
(3) electric clock
(4) pendulum clock

CHEMISTRY

Q.14 Match Column - I with column - II and select the correct answer using the codes given below the columns.

Column - I		Column - II	
(A)	Caustic soda	(p)	Manufacture of antacid
(B)	Sulphuric acid	(q)	Preservation of food
(C)	Calcium hydroxide	(r)	Manufacturing of soap
(D)	Acetic acid	(s)	Automobile batteries

(1) A - (r); B - (s); C - (p); D - (q)
(2) A - (q); B - (s); C - (p); D - (r)
(3) A - (r); B - (p); C - (s); D - (q)
(4) A - (s); B - (r); C - (p); D - (q)

Q.15 The pH of three solution A, B, C is 6, 4, 8 respectively which of the following is the correct option ?
(1) A > B >C decreasing acidic strength
(2) C > B > A increasing acidic strength
(3) B >A > C is decreasing acidic strength
(4) C > B > A decreasing acidic strength

Q.16 A metal 'M' of moderate reactivity is present as its sulphide 'X'. On heating in air, 'X' converts into its oxide 'Y' and a gas evolves. On heating 'Y' and 'X' together, the metal 'M' is produced. 'X' and 'Y' respectively are
(1) 'X' cuprous sulphide,'Y' cuprous oxide
(2) 'x' cupric sulphide, 'Y' cupric oxide
(3) 'X' sodium sulphide, 'Y' sodium oxide
(4) 'X' calcium sulphide, 'Y' calcium oxide

Q.17 Match List I (Position of the metals in the Activity Series) with the List II (Related Reduction Process) and Select the correct option using the codes given below.

List - I (Position of the Metal in the Activity Series)		List - II (Related Reduction Process)	
(A)	The bottom of the series	(I)	Electrolysis
(B)	The top of the series	(II)	Reduction by heat alone
(C)	The lower regions of the series	(III)	Found in native state
(D)	The middle of the series	(IV)	Reduction using carbon or some other reducing agent

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

Q.18 Which of the following have isoelectronic structures?
(i) CH_3^+
(ii) H_3O^+
(iii) CH_3^-
(iv) NH_3
(1) (i), (ii), (iii)
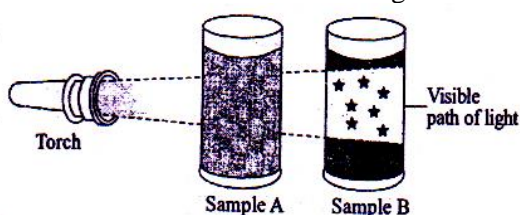(2) (i) and (iii)
(3) (i) and (iv)
(4) (ii), (iii) and (iv)

Q.19 The correct order of increasing intermolecular forces of attraction in the following substance is
(1) water < sugar < carbon dioxide < acetone
(2) carbon dioxide <acetone < water < sugar
(3) sugar < water < acetone < carbon dioxide
(4) Carbon dioxide < water < acetone < sugar

Q.20 What happens when a fixed amount of oxygen gas is taken in a cylinder and compressed at constant temperature ?
(a) Number of collisions of oxygen molecules per unit area of the wall of the cylinder increase.
(b) Oxygen (O_2) gets converted into ozone (O_3).
(c) Kinetic energy of the molecules of oxygen gas increases.
(1) (a) and (c)   (2) (b) and (c)
(3) (c) only   (4) (a) only

Q.21 When light is passed through samples A and B placed in a line in a dark room, the effects observed are as shown in the figure.

Which one of the following pairs is the correct description of both the samples ?
(1) A = Gel and B = Gel
(2) A = Solution and B = Solution
(3) A = Gel and B = Suspension
(4) A = Solution and B = Gel

Q.22 **Assertion :** In a triad, the three elements present have same gaps of atomic masses.
Reason : Elements in a triad have similar properties.
(1) Both A and R are individually true and R is the correct explanation of A
(2) Both A and R are individually true but R is not the correct explanation of A.
(3) A is true but R is false

(4) A is false but R is true

Q.23 A part of the modern periodic table is presented below in which the alphabets represent the symbol of elements.

Group/Period	1	12	14	15	16	17
2				M	Q	
3	A	J			R	
4	E		L			T
5	G					X

Consult the above part of the periodic table to predict which of the following is a covalent compound -
(1) RQ_2 (2) AT   (3) JQ   (4) JX_2

Q.24 A compound 'X' reacts with a compound 'Y', to produce a colourless and odourless gas. The gas turns lime water milky. When 'X' reacts with methanol in the presence of concentrated H_2SO_4, a sweet smelling substance is produced. The molecular formula of the compound 'X' is -
(1) C_2H_4O (2) $C_2H_4O_2$
(3) C_2H_6O (4) $C_2H_6O_2$

Q.25 The molecular formula of carboxylic acid that differs from the rest is
(1) $C_{13}H_{26}O_2$ (2) $C_2H_4O_2$
(3) $C_9H_{18}O_2$ (4) $C_7H_{12}O_2$

Q.26 1.80 g of glucose is dissolved in 36.00 g of water in a beaker. The total number of oxygen atoms in the solution is
(1) 12.405×10^{23} (2) 12.405×10^{22}
(3) 6.022×10^{23} (4) 6.022×10^{22}

BIOLOGY

Q.27 Match the following.

	Column - I		Column - II
a.	RBC	(i)	Dialysis
b.	Hypertension	(ii)	Oxygen transport
c.	Blood pressure measurement	(iii)	Sphygmomanometer
d.	Artificial kidney	(iv)	Enzymes
e.	Bio-catalysts	(v)	Constriction of arterioles

(1) a(i), b(ii), c(iii), d(iv), e(v)
(2) a(v), b(iv), c(iii), d(ii), e(i)
(3) a(ii), b(v), c(iii), d(i), e(iv)
(4) a(ii), b(v), c(i), d(iv), e(ii)

Q.28 Cytokinins and ethylene are antagonistic in which of the following functions ?
(1) Senescence   (2) Apical dominance
(3) Cell growth   (4) Ripening of fruits

Q.29 Optimum 'temperature for spermatogenesis in scrotum is
(1) 2° C above the body temperature
(2) 2.5° C below the body temperature
(3) 6° C above the body temperature
(4) 6° C below the body temperature

Q.30 Aleuroplasts store
(1) Protein   (2) Starch
(3) Oil   (4) Pigments

Q.31 The finger like projections called villi help in
(1) Increasing the surface area for absorption
(2) Decreasing the surface area for absorption
(3) Increasing the surface area for egestion
(4) Increase the efficiency of enzyme action

Q.32 Semilunar valves guard the opening of
(1) Pulmonary trunk which carries blood from right ventricle to lungs for oxygenation.
(2) Aorta which carries blood from left ventricle to rest of the body for distribution.
(3) Atrium into ventricles of respective sides to prevent blood flow in reverse direction.
(4) All of the above

Q.33 Trichomes are
(1) Cutinised hair over epidermis
(2) Root hairs
(3) Present on root epidermis
(4) Thorns present on stem

Q.34 Match the words in column I with those which are most appropriate in column II.

Column I		Column II	
(A)	Hydra	(1)	Binary fission
(B)	Amoeba	(2)	Spore
(C)	Mucor	(3)	Budding
(D)	Planaria	(4)	Regeneration

(1) A = 4, B = 1, C = 3, D = 2
(2) A = 3, B = 1, C = 2, D = 4
(3) A = 2, B = 3, C = 4, D = 1
(4) A = 1, B = 4, C = 3, D = 2

Q.35 In which of the following process CO_2 is released ?
(1) Glycolysis
(2) Photosynthesis
(3) Alcohol fermentation
(4) Lactic acid fermentation

Q.36 Which one belongs to 'Retrovirus group ?
(1) Dengue virus   (2) Hepatitis virus
(3) Influenza virus   (4) HIV

Q.37 The parental genotypes are X. The probability of having genotype in the F_1 generation is
(1) 25%   (2) 50%   (3) 75%   (4) 0%

Q.38 The algae which is used in the manufacture of potassium is
(1) Gelidium   (2) Porphyra
(3) Laminaria   (4) Chlamydomonas

Q.39 Which of the following is NOT an ancient water harvesting structure ?
(1) Kattas   (2) Sargam
(3) Kulhs   (4) Surangam

Q.40 Select the mismatch.

(1)   – It is exclusively marine.

(2)   – It has flame cells for excretion

(3)   – It can change its colour.

(4)   – has closed circulatory system

MATHEMATICS

Q.41 The number of solid spheres, each of diameter 6 cm that could be moulded to form a solid metal cylinder of height 45 cm and diameter 4 cm, is :
(1) 3   (2) 4   (3) 5   (4) 6

Q.42 PQ is a chord of a circle. The tangent XR at X on the circle cuts PQ produced at R. If XR = 12 cm, PQ = x cm, QR = x − 2 cm, then x in cm is :

(1) 6   (2) 7   (3) 10   (4) 14

Q.43

In the figure, z =
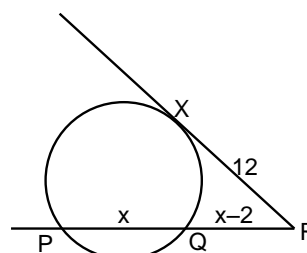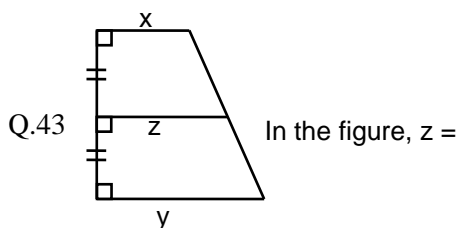
(1) $\dfrac{2xy}{x+y}$

(2) $\sqrt{xy}$

(3) $\sqrt{x^2+y^2}$

(4) $\dfrac{x+y}{2}$

Q.44 If the centroid of the triangle formed by the points (a, b), (b, c) and (c, a) is at the origin, then $a^3 + b^3 + c^3 =$
(1) abc
(2) a + b + c
(3) 3abc
(4) 0

Q.45 Which one of the following identities (wherever defined) is not correct ?

(1) $\dfrac{\sin^4 x - \cos^4 x}{\sin^2 x - \cos^2 x} = 1$

(2) $\dfrac{\cot x}{1+\tan x} = \dfrac{\cot x - 1}{2 - \sec^2 x}$

(3) $\csc^2 x + \sec^2 x = \csc^2 x \cdot \sec^2 x$

(4) $(1+\cot x - \csc x)(1+\tan x + \sec x) = 1$

Q.46 If a boy walks from his house at 4 km/hr, he reaches school 10 min early. If he walks at 3 km/hr, he reaches 10 min late. What is the distance from his house to school ?
(1) 6 km   (2) 4.5 km (3) 5 km   (4) 4 km

Q.47 If 40 persons consume 240 kg of rice in 15 days, in how many days will 30 persons consume 48 kg of rice ?
(1) 2 days (2) 3 days (3) 4 days (4) 5 days

Q.48 A sum of money placed at C.I doubles itself in 5 years. It will amount to eight times itself at the same rate of interest in :
(1) 7 years   (2) 10 years
(3) 15 years   (4) 20 years

Q.49 The difference between the discounts of 40% on Rs. 500 and two successive discounts of 36% and 4% on the same price is :
(1) Rs. 2   (2) Rs. 7.20
(3) Rs. 1.93   (4) Rs. 7

Q.50 In a 60 liter mixture of milk and water, the ratio of milk to water is 2 : 1. How many liters of water is to be added to this, to make this ratio 1 : 2 in the new mixture ?
(1) 56   (2) 50   (3) 70   (4) 60

Q.51 If 37% of a number is 990.86, what will be approximately 19% of that number ?
(1) 600   (2) 500   (3) 700   (4) 550

Q.52 The sum of n terms of two A. Ps. are in ratio $\dfrac{7n+1}{4n+27}$. Find the ratio of their 11th terms.

(1) $\dfrac{4}{3}$ (2) $\dfrac{2}{3}$ (3) $\dfrac{1}{3}$ (4) $\dfrac{4}{7}$

Q.53 The number of roots of the equation $x - \dfrac{2}{(x-1)} = 1 - \dfrac{2}{(x-1)}$ is :

(1) 0   (2) 1   (3) 2   (4) infinite

Q.54 Four years ago father's age was 6 times that of his son. Twelve years from now, father's age will be twice that of the son. What is the ratio of father and son's present ages ?
(1) 6 : 1   (2) 7 : 1   (3) 8 : 2   (4) 7 : 2

Q.55 If α, β are zeros of quadratic polynomial $kx^2 + 4x + 4$, find the value of k such that $(\alpha + \beta)^2 - 2\alpha\beta = 24$.

(1) -1 (2) $\dfrac{2}{3}$

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

Q.56 $2^{73} - 2^{72} - 2^{71}$ is the same as :
(1) 2^{69} (2) 2^{70} (3) 2^{71} (4) 2^{72}

Q.57 If the eight digit number 2575d568 is divisible by 54 and 87, the value of the digit 'd' is :
(1) 4   (2) 7   (3) 0   (4) 8

Q.58 If $\dfrac{110\sqrt{25}}{\sqrt{25}+x} = 50$, then the value of x is :

(1) 36   (2) $\dfrac{1}{\sqrt{36}}$ (3) $\sqrt{36}$ (4) $\dfrac{1}{36}$

Q.59 In a simultaneous throw of two dice, what is the probability of getting a doublet ?

(1) $\frac{1}{6}$ (2) $\frac{1}{4}$ (3) $\frac{3}{2}$ (4) $\frac{2}{3}$

Q.60 In a class of 100 students, the mean marks obtained in a certain subject is 30 and in another class of 50 students , the mean marks obtained in the same subject is 60. The mean marks obtained by the students of two classes taken together is :

(1) 40   (2) 48   (3) 48   (4) 50

SOCIAL SCIENCE

Q.61 What is 'Zero hour'?
(1) When the proposals of the opposition are considered
(2) When the matters of utmost importance are raised
(3) When a money bill is introduced in the Lok sabha
(4) Interval between the morning and the evening sessions

Q.62 Match List I with List II and select the correct answer using the codes given below the lists :

Column-I		Column-II	
	Basis Of Industries		**Types of Industries**
(1)	Agro based industries	a.	Paper, Furniture and Pharmaceutical
(2)	Mineral based industries	b.	Fish oil manufacturing and sea food processing
(3)	Marine based industries	c.	Vegetable oil, dairy and leather industry
(4)	Forest based industries	d.	Railway Coaches and building material industries

Codes :
(1) 1-d, 2-c, 3-b, 4-a   (2) 1-b, 2-a, 3-c, 4-d
(3) 1-c, 2-b, 3-a, 4-d   (4) 1-c, 2-d, 3-b, 4-a

Q.63 Explain the term "Jobber".
(1) Employed by industrialists to get new recruits
(2) Employed by farmers to get new recruits
(3) Employed by traders to get new recruits
(4) None of the above

Q.64 The periodic development of a warm ocean current along the coast of Peru as a temporary replacement of the cold Peruvian current is known as
(1) Jet stream   (2) Mango showers
(3) EI Nino   (4) Kal baisakhi

Q.65 Match the following:

Column-A		Column-B	
(1)	Quarry	(i)	Extracting valuable minerals from the earth for commercial reasons
(2)	Mining	(ii)	Deposits of weathered rock containing minerals in the river bed
(3)	Alloy	(iii)	Open pit mines
(4)	Placer deposits	(iv)	A mixture of two or more than two metals

(1) 1-(i), 2-(iii), 3-(iv), 4-(ii)
(2) 1-(iii), 2-(ii), 3-(i), 4-(iv)
(3) 1-(iv), 2-(iii), 3-(ii), 4-(i)
(4) 1-(i), 2-(ii), 3-(iii), 4-(iv)

Q.66 Which one of the following is not true regarding the 'Balkan Problem?'
(1) The Balkan states were very jealous of each other
(2) Each state wanted to gain more territory at the expense of others
(3) The Balkans were also the scene of big power rivalry
(4) The Balkans were not under the control of Ottoman Empire

Q.67 Which one of the following is true regarding the Treaty of Constantinople of 1832 ?
(1) It recognised Turkey as an independent nation
(2) It recognised Germany as an independent nation
(3) It recognised France as an independent nation
(4) It recognised Greece as an independent nation

Q.68 Which one of the following is not true regarding the impact of the First World War on India?
(1) Defense expenditure resulted in increased taxes.
(2) Forced recruitment of soldiers was introduced in the villages
(3) Income tax was introduced and customs duties increased
(4) The hardships ended with the war as the British introduced the Rowlatt Act

Q.69 The first three successful Satyagraha movements by Gandhiji in India were
(1) Against the Rowlatt Act, Civil Disobedience Movement and Quit India Movement
(2) Non–Cooperation Movement, Civil Disobedience and Khilafat Movement
(3) Peasants Movements in Champaran in Bihar, Kheda district in Gujarat and in Ahmedabad by cotton mill workers
(4) Khilafat Movement, Non-Cooperation and Quit India Movement

Q.70 In August 2002, Musharraf issued a 'Legal Framework Order' that amended the Constitution of Pakistan. According to this Order, the President could
(1) Appoint the National Assemblies
(2) Dismiss the National and Provincial Assemblies
(3) Amend the constitution on his own
(4) Declare elections

Q.71 Match these guiding values with their meanings.

(a)	Sovereign	(i)	Government will not favour any particular religion
(b)	Republic	(ii)	People will have supreme right to make decisions without outside interference
(c)	Fraternity	(iii)	Head of the state is an elected person
(d)	Secular	(iv)	There should be a feeling of brotherhood among all the people

(1) a-(iii), b-(i), c-(ii), d-(iv)
(2) a-(ii), b-(iii), c-(iv), d-(i)
(3) a-(i), b-(iv), c-(iii), d-(ii)
(4) a-(iv), b-(iii), c-(i), d-(ii)

Q.72 Minerals formed from solidification of molten matter in the crack, crevices, faults or joints are found in which types of rocks?
(1) Stratified rocks
(2) Igneous and metamorphic rocks
(3) Sedimentary rocks
(4) None of the above

Q.73 The four states which are situated along the Himalayas?
(1) Jammu and Kashmir, Himachal Pradesh, Uttarakhad, Arunachal Pradesh
(2) Gujarat, Maharashtra, Haryana, Rajasthan
(3) Gujarat, Chhatisgarh, Bihar, Jharkhand
(4) Bihar, West Bengal, Orissa, Uttar Praesh

Q.74 Which among the following is included in the policy framework of NPP 2000?
(1) Imparting free and compulsory school education above 14 years age
(2) Reducing Infant Mortality Rate
(3) Achieveing universal immunisation of children against all vaccine preventable diseases
(4) All of the above

Q.75 Match column I with column II. Choose the correct option given below

Column-I			Column-II	
(A)	A sportsman and educationist. Captain of the first national Hockey team Founder President of Adivasi Maha Sabha.	(p)	G. Durgabai Deshmukh	
(B)	Founder Chairperson of Central Social Welfare Board	(q)	Abdul Kalam Azad	
(C)	Born in Saudi Arabia, Congress leader, active in the national movement. Opposed Muslim separatist politics	(r)	H. C. Mookherjee	
(D)	Member of All India Christian Council and Bengal Legislative Assembly. Leter become the Governor of West Bengal	(s)	Jaipal Singh	

	A	B	C	D
(1)	p	r	s	q
(2)	s	p	q	r
(3)	q	p	r	s
(4)	q	p	s	r

Q.76 Which of the following novels was not written by Charles Dickens?
(1) Pickwick Papers
(2) Oliver Twist
(3) Hard Times
(4) Treasure Island

Q.77 Who was the author of the novel Anandmatha?
(1) Rabindranath Tagore
(2) Bhuded Mukhopadhyaya
(3) Bankim Chandra Chattopadhyaya
(4) Chandu Menon

Q.78 Arrange the events in France in Chronological order
(1) The National Assembly completed the draft of the constitution
(2) The Assembly passed a decree abolishing the feudal system of obligations and taxes
(3) Peasants forced to transport their grains to the sities and sell it at prices fixed by the government
(4) The National assembly voted to declare war against Prussia and Austria
(1) 2,1,4,3   (2) 2,3,4,1
(3) 1,2,3,4   (4) 4,3,2,1

Q.79 Identify the correct statement in reference to Belgian modal of power sharing
(A) A separate Government for Brussels, equal representation for both the linguistic groups
(B) State Governments are not made subordinate to central government
(C) Equal number of Dutch and French speaking ministers in the Central Government
(1) Only A   (2) B,C
(3) A,B,C   (4) A,C

Q.80 'Sexual division of labour' signifies that
A. Gender division emphasises upon division on the basis of nature of work
B. Division between men and women
C. Caste is the basis of gender division
D. Work decides the division between men and women.
(1) A, C and D   (2) A, B and D
(3) A and C   (4) D and A

Q.81 Consider the following statements on the meaning of communal politics. Communal politics is based on the belief that:
A. One's religion is superior to that of others.
B. People belonging to different religions can live together happily as equal citizens.
C. Followers of a particular religion constitute one community.
D. State power cannot be used to establish the domination of one religious group over others.
Which of the statements is/are correct?
(1) A, B, C & D   (2) A, B & D
(3) A & C only   (4) B & D only

Q.82 Match List - I with List - II correctly and choose the correct code from the following

List - I	List - II
(a) Kaveri	(i) Nasik
(b) Godavari	(ii) Betul
(c) Tapi	(iii) Brahmagiri
(d) Krishna	(iv) Mahabaleshwar

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

Q.83 River Damodar is called 'Sorrow of Bengal' because it
(1) Gets flooded after causing havoc
(2) Causes maximum soil erosion
(3) Forms numbers of dangerous waterfalls
(4) Is not a perennial river

Q.84 Which of the following is true with regard to characteristics of the Himalayan rivers?
I. Many of them have their sources in Inner Himalaya.
II. They have a perennial flow.
III. They have a great capacity for erosion.
IV. They do not form gorges.
(1) I and II   (2) I, II and III
(3) III and IV   (4) II and IV

Q.85 Which one of the following bio- reserves of India are not included in the world network of bio-reserves?
(1) Manas   (2) Nilgiri
(3) Gulf of Mannar   (4) Nanda Devi

Q.86 Which is the most dominant vegetation type of India?
(1) Tropical Deciduous Forest (Monsoon Forest)
(2) Tropical December Forest
(3) Tropical Desert Forest
(4) Top Dry Forest

Q.87 Financial and technical assistance is provided to many botanical gardens by the government since
(1) 2000   (2) 1992   (3) 2005   (4) 1990

Q.88 Given below are two statments, one labeled as Assertion (A) and the other labeled as Reason (R)

Assertion (A): Mangroves are much specialised forest ecosystems of tropical and sub tropical regions bordering certain sea coasts.

Reason (R): They stabilise the shoreline and act as bulwark against encroachments by sea.

In the context of the two statments, which one of the following is correct?
(1) Both A and R are true and R is correct explanation of A.
(2) Both A and R are true but R is not a correct explanation of A.
(3) A is true but R is false.
(4) A is false but R is true.

Q.89 In many parts of England, the farmers began to grow turnip as
(1) Turnip improved the soil and made it fertile
(2) Turnip was a good fodder crop and relished by the cattle
(3) This crop had the capacity to increase nitrogen conten fo the soil
(4) Turnip became the staple food for the people.

Q.90 What makes your toothpaste white?
(1) Titanium oxide   (2) White powder
(3) Talcum powder   (4) All of the above

Q.91 Match List – I with List – II correctly and choose the correct code from the following

	List I		List II
(a)	Napleon defeated at Waterloo	(i)	1929
(b)	Formation of the Hindustan Socialist Republican Army	(ii)	1919
(c)	Formation of Comintern	(iii)	1928
(d)	Lahore Congress	(iv)	1815

(1) a(iii), b(ii), c(iv), d(i)
(2) a(iv), b(iii), c(ii), d(i)
(3) a(i), b(iv), c(ii), d(iii)
(4) a(ii), b(iv), c(i), d(iii)

Q.92 The railway line which was to be constructed between Multan and Sukkur was
(1) North Valley Railway
(2) Indus Valley Railway
(3) Southern State Railway
(4) West Valley Railway

Q.93 Young Italy, a secret society was formed by
(1) Metternich   (2) Giuseppe Mazzini
(3) Bismarck   (4) Hitler

Q.94 Pay attention on the following points.
(A) The Non-cooperation-Khilafat Movement began in January 1921
(B) In February 1922, Mahatma Gandhi decided to withdraw the Non-Cooperation Movement
Choose the correct answer from the codes given below
(1) Only (A)
(2) Only (B)
(3) Both (A) and (B)
(4) None of the above

Q.95 Which one of the following incidents happened first ?
(1) Convocation of Estates General
(2) Overthrow of the Jacobin Republic
(3) Debates over socialism in Russia
(4) Proclamation of the Weimar Republic

Q.96 Who acts as the Supreme Commander of defence forces of India ?
(1) The Chief of Air staff
(2) The Chief of Army staff
(3) The President of India
(4) The Chief of Navy

Q.97 Which one of the following is the institution, functioning for International law, Security, Social equity and World peace ?
(1) International Monetary Fund
(2) United National Organisation
(3) World Bank
(4) None of the above

Q.98 Hemogeneous Society means
(1) Similar kind of cultural heritage
(2) Exist caste based differences
(3) Absence of community feeling
(4) Different kinds of living style of people

Q.99 The challenge of deepening of democracy involves
(1) Strengthening the education system
(2) Strengthening of the institutions and practices of democracy.
(3) Strengthening of the agriculture system
(4) None of the above

Q.100 What is meant by "right"
(1) Ones demand to go everything without sharing with others
(2) Claims of a person over other fellow beings, society and the government
(3) Not possessing any freedoms
(4) None of the above

Answer Key

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