NTSE STAGE II

U	U	E:	13	_	1	J
		C	۸Т			

1.	Suppose a mutant of a photosynthetic alga hability to perform (1) glycolysis (3) aerobic respiration	as dysfunctional initochondria. It would affect its (2) anaerobic respiration (4) photosynthesis	
2.	Cow has a special stomach as compared to (1) absorb food in better manner (2) digest cellulose present in the food. (3) assimilate food in a better way (4) absorb large amount of water.	o that of a lion in order to	
3.	When touched, the leaflets of Touch-me-not the point of contact to the leaflets away. The (1) change in turgor pressure (3) growth hormone retardation	ot plant are closed. Closing of leaflets starts from e leaflets are closed due to (2) specialized proteins (4) capillary; action	
4.	Pancreas is composed of (1) Only exocrine cells. (3) Both endocrine and exocrine cells.	(2) Only endocrine cells.(4) Nephrons	
5.	The human embryo gets nutrition from the called (1) Zygote (3) Oviduct	mother blood with the help of a special organ (2) Ovary (4) Placenta	
6.	Hormones produced in one part of the orga (1) muscles (3) cartilage	nism reach the distantly located target via (2) bone (4) blood	
7.	Which of the following are characteristic feat (1) Actively dividing cells with dense cytopl (2) Actively dividing cells with dense cytopl (3) Actively dividing cells with little cytoplas (4) Actively dividing cells with thin cytoplas	asm, thick cell wall and prominent nuclei. asm, thin cell wall and no vacuoles. m, thin cell wall and prominent nuclei.	
8.	Which one of the following animals is different pouches? (1) Whale (3) Star fish	ent from others in not having the paired gill (2) Water snake (4) Sea horse	
9.	In the symbiotic relationship between a bacterium and a root of legume the (1) bacteria provide N ₂ and the plant roots provide carbon. (2) roots provide NH ₄ and bacteria provide carbon. (3) bacteria provide NH ₄ and the roots provide carbon. (4) bacteria provide N ₂ and the roots provide NH ₄ .		
10.	Which of the following is a result of biologic (1) Top level predators may be most harme (2) Increase in carbon dioxide. (3) The green-house effect will be most sig (4) Energy is lost at each tropic level of a form	ed by toxic chemicals in environment. nificant at the poles.	

- 11. Which one of the following signifies *ex situ* conservation?
 - (1) National parks and Biosphere reveres.
 - (2) Wild animals in their natural habitats.
 - (3) Inhabitants of natural ecosystems.
 - (4) Conservation methods practiced in Zoo and Botanical garden.
- 12. What is the main reason for increase in temperature in a glass house?
 - (1) Sunlight is completely absorbed by plants in the glass house.
 - (2) Radiation fails to escape from the glass house completely.
 - (3) Plants do not utilize sunlight in a glass house.'
 - (4) Plants produce heat inside the glass house.
- 13. Match the items in column I with those in column II, and select the correct choice.

Column I	Column II
(A) Small pox	(I) Bacteria
(B) Cholera	(II) Virus
(C) Malaria	(III) Deficiency of minerals
(D) Anaemia	(IV) Female mosquito
(1) A–IV, B–II, C–III, D–I (3) A–IV, B–III, C–II, D–I	(2) A–II, B–I, C–IV, D–III (4) A–III, B–IV, C–I, D–II

- 14. In the experiment conducted by Mendel, RRyy (round, green) and rrYY (wrinkled, yellow) seeds of pea plant were used. In the F₂ generation 240 progeny were produced, out of which 15 progeny had specific characteristics. What were the characteristics?
 - (1) Round and green

(2) Round and yellow

(3) Wrinkle and yellow

- (4) Wrinkle and green
- 15. Total number of neutrons in five moles of water molecule is
 - $(1) 3.011 \times 10^{24}$

 $(2) 2.409 \times 10^{25}$

 $(3) 3.111 \times 10^{25}$

- $(4) 2.711 \times 10^{25}$
- 16. The metal used to recover copper from an aqueous solution of copper sulphate is
 - (1) Na

(2) Ag

(3) Hg

- (4) Fe
- 17. Four substances were thoroughly mixed with water separately to obtain mixtures A, B, C and D. Some of their properties are given below:
 - (I) Path of a beam of light passing through it was visible in A, B and D but invisible in C.
 - (II) On leaving undisturbed, the particles of the substance settle down in A but not in B, C and D.
 - (III) The solute particles are visible to naked eye in a but invisible in B, C and
 - D. Which of the following is correct about A, B, C and D?
 - (1) A, B and D are colloids, C is a solution.
 - (2) A is a suspension, B and D are colloids, C is a solution.
 - (3) A is a colloid. B, C and D are solutions.
 - (4) A is a suspension. B, C and D are colloids.
- 18. Assertion (A): Aluminium foil cannot be used n -particle scattering experiment.

Reason (R): Aluminium is highly malleable metal.

- (1) Both A and R are correct. R is the correct reason for A.
- (2) Both A and R are correct but R is not the correct reason for A.
- (3) A is correct and R is incorrect.
- (4) A is incorrect and R is correct.

19. Magnesium ribbon is rubbed with sand paper before making it to burn. The reason of rubbing the ribbon is to (1) remove moisture condensed over the surface of ribbon. (2) generate heat due to exothermic reaction. (3) remove magnesium oxide formed over the surface of magnesium. (4) mix silicon from and paper (silicon dioxide with magnesium for lowering ignition temperature of the ribbon. 20. The reaction that differs from the rest of the reactions given is (1) formation of calcium oxide from limestone. (2) formation of aluminium from aluminium oxide. (3) formation of sodium carbonate fro sodium hydrogen carbonate. (4) formation of mercury from mercuric oxide. An element X reacts with dilute H₂SO₄ as well as with NaOH to produce salt and H₂(q). 21. Hence, It may be concluded that: (I) X is an electropositive element. (II) oxide of X is basic in nature. (III) oxide of X is acidic in nature. (IV) X is an electronegative element. (1) I, II, IIII (2) IV, I, III (3) III, IV, I (4) II, III, IV 22. An element X has electronic configuration 2, 8, 1 and another element Y has electronic configuration 2, 8, 7. They form a compound Z. The property that is not exhibited by Z is (1) It has high melting point (2) It is a good conductor of electricity in its pure solid state. (3) It breaks into pieces when beaten with hammer. (4) It is soluble in water the compound containing both ionic and covalent bond is 23. (1) AIBr₃ (2) CaO (4) NH₄Cl (3) MgCl₂ 24. The element that cannot be used as a reducing agent is (1) carbon (2) aluminium (3) sulphur (4) sodium Somebody wanted to calculate the number of moles of oxygen atoms comprising of 9.033 25. \times 10²³ number of its atoms. The person further thought to calculate its mass and to find the number of moles of hydrogen atoms required to combine completely with this amount of oxvgen to form water. The number of moles of oxygen atoms, their mass (in grams) and the number of moles of hydrogen atoms are (2) 15, 18 and 3 respectively (1) 1.5, 3 and 24 respectively (C) 0.15, 27. 3 respectively. (4) 1.5, 24 and 3 respectively The molecular formula of carboxylic acid that differs from the rest is 26. (1) C₁₃H₂₆O₂ (2) C₂H₄O₂ (3) C₉H₁₈O₂ $(4)C_7H_{12}O_2$ 27. Foam of soap always appears white as (1) it contains large hydrogen chains. (2) it absorbs red portion of the visible light. (3) it reflects light of all wavelengths. (4) it has one hydrophobic end, which is insoluble in water.

- In a neon gas discharge tube, every second 4.8×10^{18} Ne⁺ ions move towards the 28. right through a cross-section of the tube, while 'n' electrons move to the left in the same time. If the current in the tube is 1.12 amperes towards the right, 'n' is equal to (given $e = 1.6 \times 10^{-19}$ coulomb)

 (1) 1.8×10^{18} (2) 2.2×10^{18}

(3) 2.4×10^{19}

- $(4) 2.8 \times 10^{19}$
- 29. Four situations are given below
 - (I) An infinitely long wire carrying current
 - (II) A rectangular loop carrying current
 - (III) A solenoid of finite length carrying

current. (IV) A circular loop carrying current.

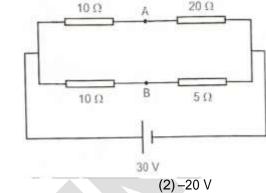
In which of the above cases will the magnetic field produced be like that of a bar magnet?

(1) I

(2) I and III

(3) Only III

- (4) Only IV
- 30. In the circuit diagram shown below, VA and VB are the potentials at points A and B respectively. Then, VA - VB is



- (1) 10 V
- (3) 0 V

- (4) 10 V
- 31. Assertion (A): Motion of a charged particle under the action of a magnetic field alone is always with constant speed.

Reason (R): The magnetic force does not have any component either along or opposite to the direction of motion of the charged particle.

- (1) Both Assertion and Reason are true and the reason is the correct explanation of the assertion.
- (2) Both Assertion and Reason are true, but the reason is not the correct explanation of the
- (3) Assertion is a true statement, but Reason is false.
- (4) Both Assertion and Reason are false statements.
- 32. When a charged particle passes through an electric field, which among the following properties change?
 - (I) mass

(II) charge

(III) velocity

(IV) momentum

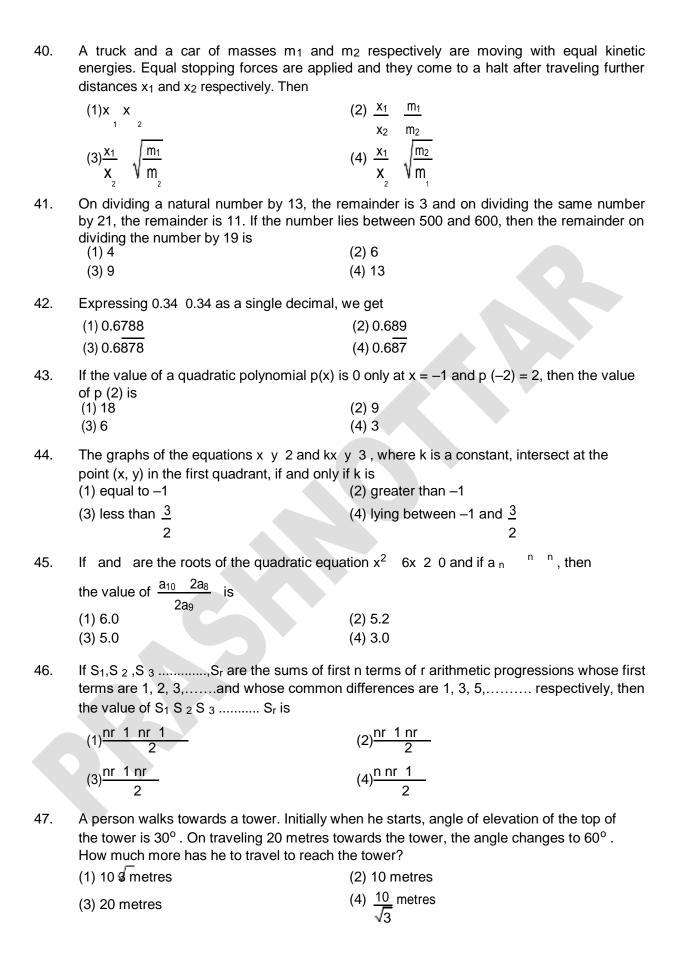
(1) II & III

(2) only III

(3) III & IV

(4) I, III & IV

33.	refraction, the light travelled parallel to the	al glass prism at an angle i to the normal. After base of prism and emerged in air at an angle c ncident and the emergent rays is 60°, then the is (2) 1.5 (4) 1.66	
34.	You want to kill the fish first by throwing a	You spot a fish swimming below the lake surface. A spear and next, by pointing a high-power laser orch, respectively, from the options given below? ISSA (2) SPEAR: I ; LASER: II (4) SPEAR: III ; LASER: III	
35.	denser medium and partially refracted in	dium is partially reflected from the surface of a to the denser medium. If the reflected and the her and the ratio of the refractive indices of of refraction will be (2) 30° (4) 41.5°	
36.	to an Optometrist who prescribed him a distance of his vision to infinity, i.e. it co	uated in the range of 50 cm to 300 cm. He went lens of certain power to increase the maximum rrected the near – sightedness. However, upon vered that the near point of his vision has shifted alue of d? (2) 100 cm (4) 500 cm	
37.	A ball of mass m is thrown from a height h ball will its speed on hitting the ground be r (1) horizontally (2) vertically downwards (3) at an angle of 45° from the vertical in the (4) speed does not depend on the direction	ne downward direction	
38.	A beaker is filled with two non – mixing liquids. The lower liquid has density twice that of the upper one. A cylinder of height h floats with one – fourth of its height submerged in the lower liquid and half of its height submerged in the upper liquid. Another beaker is filled with the denser of the two liquids alone. If the same cylinder is kept in the second beaker, the height of the submerged position would be.		
	(1) h	$(2)\frac{3h}{4}$	
	(3) $\frac{h}{2}$	$(2)\frac{3h}{4}$ $(4)\frac{h}{4}$	
39.			



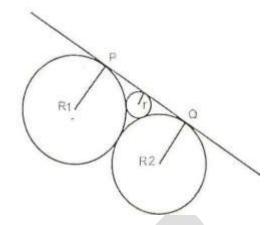
48.	If $cosecx sin x$ a and $sec x cos x$ b, then	
	$\frac{2}{(1)}$ a^2 b_3 ab^2_3 a^2 b^2 a^2	(2) ab^2 $_3$ a^2b^2 $_3$ 1 (4) b^2 a^2 1
49.		corner of a rectangular field of dimensions 35m x 23 m, then the additional grassy area in which
	(1) 280.0 m ² (3) 302.5 m ²	(2) 300.0 m ² (4) 312.5 m ²
50.		a triangular field of sides 35 m, 53 m and 66 m a circular field whose area is double the area of
	the triangular field, then the radius of the cir	rcular field is: (Take 22)
	(1) 14 3 m	(2) 3 14 m
	(3) 28 $\overline{3}$ m	$(4) 7 \overline{3} m$
51.		parts in such a way that each part can be folded ace areas is 1 : 2, then the ratio of their volumes
	(1)1:8	(2) 1: 6
	(3) 1: 10	(4)2:3
52.	rectangular bar of length 9 metres having a and a biggest cube is cut off from the bar, t (1) 61 kg	(2) 5 <u>2</u> kg
	3	3
	(3) $4\frac{2}{3}$ kg	(4) 3 <u>1</u> kg 3
53.		h other externally at O. A line passing through hen,
54.	If in a triangle ABC, D is the mid point of sid BAD and ABC are respectively equal to	de BC, ADB 45° and ACD 30°, then
	(1) 15°,105°	(2) 30 ° ,105°
	(3) 30 ° ,100°	(4) 60°,100°

55. Three circles with radii R₁. R₂ and r touch each other externally as shown in the adjoining figure. If PQ is their common tangent and R_1 R_2 , then which of the following relations is correct?



(2)
$$R_1$$
 R_2 2r (3) $\frac{1}{\kappa}$ $\frac{1}{\kappa}$ $\frac{1}{\kappa}$

$$(4) \frac{1}{R_1} \quad \frac{1}{R_2} \quad \frac{1}{r}$$



- 56. ABC is a triangle in which AB = 4 cm, BC = 5 cm, and AC = 6 cm. A circle is drawn to touch side BC at P, side AB extended at Q and side AC extended at R. Then, AQ equals.
 - (1) 7.0 cm

(2) 7.5 cm

(3) 6.5 cm

- (4) 15.0 cm
- The centre of the circle passing through the points (6, -6), (3, -7) and (3, 3) is 57.
 - (1)(3,2)

(2)(-3, -2)

(3) (3, -2)

- (4)(-3, 2)
- 58. 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

 $(3)\frac{36}{7}$

- 59. The mean of three positive numbers is 10 more than the smallest of the numbers and 15 less than the largest of the three. If the median of the three numbers is 5, then the mean of squares of the numbers is
 - (1) $108\frac{2}{3}$

 $(3) 208 \frac{1}{}$

(4) 216 <u>2</u>

- $650 \frac{3}{216} 2$
- 60. Three dice are thrown simultaneously. The probability of getting a total of at least 5 of the numbers appearing on their tops is

61. Match the following

Α	Livre	I.	A tax levied by the Church
В	Manor	II.	An estate of Lord's lands and
			his mansions
С	Tithe	III.	Tax to be paid directly to the
			State
D	Taille	IV	Unit of currency
(1)A-III,B-II,C-IV,	D – I	(2)A-II.B-IV.C-I	.D–III

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

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

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

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

62. Assertion (A): After the 1905 revolution in Russia, Duma or the first elected consultative Parliament came into existence.

Reason (R): The power of Tsar was curbed by it

- (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 true and R is false
- (4) A is false and R is true
- 63. Arrange in correct chronological

order I. Dawes Plan

- II. Crashing of the Wall Street Exchange
- III. Birth of Weimar Republic
- IV. Creation of Gestapo (Secret State Police)

(1) I, II, III, IV

(2) III, II, I, IV

(3) IV, II, III, I

(4) III, I, II, IV

64. **Assertion (A)**: Cricket as a game has a long and strong rural connection.

Reason (R): The time limit of a match and vagueness about the size of Cricket ground is a result of the rhythms of village life.

- (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 true and R is false
- (4) A is false and R is true
- Assertion (A): In the 17th and 18 Century merchants from the towns in Europe 65. started financing peasants and artisans in the country side for production for them.

Reason (R): In the urban centres powerful crafts and trade guilds with monopoly rights restricted the entry of new people into the trade.

- (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 true and R is false
- (4) A is false and R is true
- Assertion (A): Colonial Forest Act changed the lives of villagers across the country 66.

Reason (R): Now the villagers could comfortably make use of the forest resources for everyday needs.

- (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 true and R is false
- (4) A is false and R is true

- 67. Arrange the following events of nineteenth century Europe in ascending order.
 - II. Beginning of Greek struggle for independence III. Unification of Italy

IV. Vienna Peace Settlement

(1) III, I, II, IV (3) I, III, IV, II (2) IV, II, III, I (4) IV, II, I, III

(,,..,.,

- 68. Arrange the following events in descending order with regard to Nationalist Movement in Indo China
 - I. Creation of Indo China union
 - II. Formation of Communist Party in

Vietnam III. Paris Peace Treaty

IV. Declaration of independence by Ho Chi Minh

(1) III, IV, II, I

(2) III, IV, I, II

(3) I, II, III, IV

(4) I, II, IV, III

- 69. Find out the correct statements with regard to Rowlatt Act.
 - III. The act allowed detention of Political prisoners without trial for three years
 - IV. Protests against the Act led to Jallianwalla Bagh massacre in April 1920.
 - (1) Only II and III are correct

(2) Only I and III are correct

(3) Only III and IV are correct

- (4) Only I and II are correct
- 70. Assertion (A): Population growth from the late eighteenth century increased the demand for food grains in Britain.

Reason (R): 'Corn Laws' introduced by the government helped in reducing the food prices.

- (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 true and R is false
- (4) A is false and R is true
- 71. Match the following

A	Galley	I. Old name of Tokyo	l.
В	Edo	 Contained six sheet of text and wood cu 	TI.
		illustrations	
С	Vellum	III. Metal Frame in which types are laid and	III.
		the text composed	
D	Diamond Sutra	IV A parchment made from skin of animals	ΙV
(1)A-	-III,B–I,C–II,D–IV	(2) A -I,B-III,C-II,D-IV	(2) A
(3)A-	-I,B-III,C-IV,D-II	(4) A-III,B-I,C-IV,D-II	(4) A

72. Given below are statements regarding the course of development of Socialism in Europe. Arrange them in chronological sequence.

I. Socialists took over the government in Russia through the October Revolution.

- II. Socialists and trade unionists formed a labour party in Britain and Socialist party in France
- III. The Russian Social Democratic Worker's Party was founded by Socialists who respected Marx's ideas.
- IV. Socialists could not succeed in forming a government in Europe and governments continued to be run by conservatives, liberals and radicals.
- V. Second International was formed to coordinate the efforts of socialists throughout Europe.

(1) V, III, II, IV, I

(2) I, II, III, IV, V

(3) V, II, III, I, IV

(4) IV, V, III, I, II

- 73. Hitler's ideology related to the geopolitical concept of Lebensraum, or living space implied
 - (1) there was no equality between people but only a racial hierarchy
 - (2) only those species survived on earth that could adapt themselves to changing climatic conditions
 - (3) new territories had to be acquired for settlement to increase the area of the mother country
 - (4) an exclusive racial community of pure Germans to be created by physically eliminating all those who were seen as undesirable.
- 74. During the mid-eighteenth century

Assertion(A): Indian spinners and weavers left without work and important centers of textile declined.

Reason(R): large number of people began boycotting British cloth and started adopting khadi

- (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 true and R is false
- (4) A is false and R is true
- 75. **Assertion(A):** Mahatma Gandhi called off the Civil Disobedience Movement and entered into a pact with Irwin in 1931.

Reason(R): Industrial workers in Sholapur attacked structure that symbolized British rule

- (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 true and R is false
- (4) A is false and R is true
- 76. **Assertion(A):** The latitudinal extent influences the duration of day and night, as one moves from south to north of India..

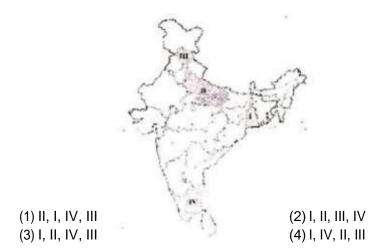
Reason(R): From Gujarat to Arunachal Pradesh there is a time lag of two hours

- (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 true and R is false
- (4) A is false and R is true
- 77. **Assertion(A):** Kharif crops are grown with the onset of monsoon in different parts of India and harvested in September-October.

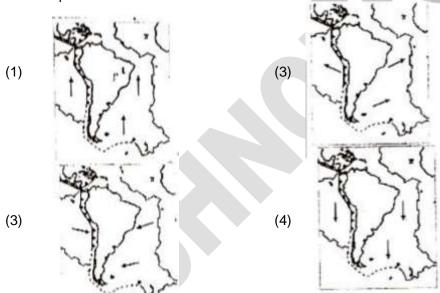
Reason(R): Availability of precipitation due to western temperate cyclones helps in growing of these crops

- (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 true and R is false
- (4) A is false and R is true

78. Arrange the shaded states shown on the map of India in descending order of population density and select the right code



79. Which one of the following figure is showing the correct direction of movement of the South America plate?



80. Based on the data(elevation and latitude) provided below which of the following tourist centers is most probably indicated?

Elevation: 3500 meters

Latitude: 34° N (A) Shillong

(B) Mussoorie

(C) Kodaikanal

- (D) Leh
- 81. Keeping in mind the location of the following sanctuaries/national parks of India, arrange them from south to north:

I. Periyar, II. Dachigam, III. Sarsika IV. Kanha

(1) I, IV, II, III

(2) III, I, IV, II

(3) IV, I, III, II

(4) I, IV, III, II

82. Match List – I(Revolution) with List – II(Area) and select the correct answer using the codes given below:

	List – I		List – II	
(Revolution)		(Area)		
Α.	Blue	I.	Dairy development	
B.	Green	II.	Fisheries development	
C.	White	III.	Food production	
D.	Yellow	IV.	Silk production	
(1) A	Λ-II, B-III, C-IV, D-I (2) A-	III, B-İV, C-II, D-I	
(3) A	A-IV B-II C-I D-III	4) A-	II B-III C-I D-IV	

83. **Assertion(A):** The availability of water resources varies over space and time in India.

Reason(R): Water availability is governed by variations in seasonal and annual precipitation although water scarcity is aggravated by over-exploitation and unequal access to water among different social groups.

- (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 true and R is false
- (4) A is false and R is true
- 84. Match List I (Type of resources) with List II (Basis of classification) and select the codes given below:

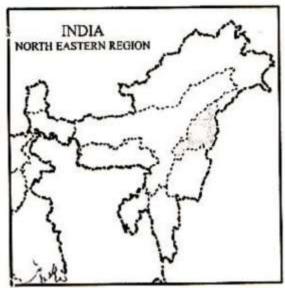
List – I		List – II
(Type of resources)		(Basis of classification)
Biotic and abiotic	1.	Status of development
Renewable and non-renewable	IJ.	Origin
Individual, community, national and	III.	Ownership
international		
Potential developed, stock and	TV.	Exhaustibility
reserves		
-II, B-I, C-III, D-IV	(2) A	-II, B-I, C-III, D-IV
-II, B-IV, C-III, D-I	(4)	A-IV, B-II, C-III, D-I
	(Type of resources) Biotic and abiotic Renewable and non-renewable Individual, community, national and international Potential developed, stock and reserves	(Type of resources) Biotic and abiotic I. Renewable and non-renewable II. Individual, community, national and III. international Potential developed, stock and IV. reserves -II, B-I, C-III, D-IV (2) A

- 85. Which one of the following is the correct order of rivers from north to south?
 - (1) Ravi, Chenab, Jhelum, Indus
- (2) Indus, Jhelum, Chenab, Ravi
- (3) Jhelum, Indus, Ravi, Chenab
- (4) Chenab, Ravi, Indust, Jhelum
- 86. Match List I (National highways of India) with List II (Description) and select the codes given below:

List – I	List – II	
(National highways of India)	(Description)	
A. National Highway Number – 1	Covers most of Rajasthan	
B. National Highway Number – 15	II. Known as Sher Shah Suri Marg	
C. National Highway Number – 7	III. Connects Delhi and Mumbai	
D. National Highway Number – 8	IV. Is the longest national highway	
(1) A-IV, B-III, C-I, D-II (2)	A-I, B-II, C-IV, D-III	
(3) A-II, B-I, C-IV, D-III (4)	A-I, B-III, C-II, D-IV	

- 87. Which of the following statement is NOT true to the context of Mawsynram?
 - (1) It is considered as the wettest place on earth
 - (2) It possesses cave with stalagmites and stalacities
 - (3) It is located very close to Cherrapunji
 - (4) It is located very close to the Myanmar border

88. Which one of the following facts about the shaded state shown below is incorrect?



- (1) Terrace cultivation is widespread in the hill areas
- (2) The state is a major producer of uranium
- (3) Population density is well below the national average
- (4) More than 80 percent of the area has forest as the land cover
- 89. The tropic of cancer passes through which of the following plateau?
 - (1) Only Malwa

(2) Only Chotanagpur

(3) Only Meghalaya

- (4) Both Malwa and Chotanagpur
- 90. **Assertion(A):** The Coriolis force is responsible for deflecting winds towards the right in the northern hemisphere and towards the left in the southern hemisphere.

Reason(R): The pressure and wind system of any area depend on the latitude and altitude of the palce.

- (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 true and R is false
- (4) A is false and R is true
- 91. Which of the following arguments against prescribing educational qualification for elected representatives are true?
 - I. Educational qualification will deprive illiterate citizens of the right to contest elections.
 - II. Relevant qualification for being elected representatives is not education but ability to address people's problems
 - III. Educated elected representatives keep distance from the common people
 - IV. It is easier for the educated elected representatives to use power for personal gains
 - V. It should be left to the voters to decide how much importance is to be given to educational qualification of a candidate.
 - (1) I, II and IV only

(2) I, III and V only

(3) I, IV and V only

(4) I, II and V only

92. Which of the following terms were inserted in the preamble to the Indian Constitution by the 42nd Amendment Act, 1976?

I. Integrity

II. Secular

III. Socialist

IV. Unity

(1) I, III and IV

(2) II and III

(3) I, II and III

(4) I, II and IV

- 93. Which of the following international institutions has a more democratic way of decision-making on matters of global importance?
 - (1) General Assembly of the United Nations (2) International Monetary Fund
 - (3) Security Council of the United Nations (4) World Bank
- 94. Which of the following factors have contributed to changes in the caste system?

I. Economic development

II. Language

III. Education

IV. Elections

V. Region

(1) I, III and IV (3) II, III and IV (2) II, IV and V (4) I, III and V

95. Match List – I with List – II and select the answer using the codes given below:

	List – I		List – II	
Α.	Supervises the overall functioning of all	<u>П.</u>	The Supreme Court	
	the political institutions in the country			
В.	Distributes and redistributes work to the	H.	The President	
	ministers			
C.	Minister may have different views but	III.	The Prime Minister	
	have to own up every decision			
D.	Determines the constitutionality of any	IV.	The Cabinet	
	contentious action			
(1) A	A-IV, B-III, C-II, D-I	2) A-II,	B-III, C-IV, D-I	_
(3) A	A-II. B-IV. C-III. D-I	4) A-III.	B-IV, C-I, D-II	

96. Calculate the female literacy rate from the given data

Gender	Total persons	Literate persons
Males	1200	1050
Females	580	340
Total	1780	1390
(1) 32.5		(2) 19.1
(3) 58.6		(4) 28.3

- 97. Which of these activities contributes to India's national income?
 - II. A teacher teaching his children at home
 - III. A doctor prescribing medicines in a clinic IV. Cooking in a restaurant

(1) I and II

(2) II and III

(3) III and IV

(4) I and IV

98. In an imaginary economy the monetary value of contributions of primary sector, public sector, secondary sector and service sector are Rs 100, Rs 25, Rs 28 and Rs 77 respectively. The gross domestic product of the economy is

(1) Rs 100

(2) Rs 205

(3) Rs 153

(4) Rs 230

99. Four families in a village, which has only a ration shop, have access to food grains as shown in the table. Identify the families that lack food security

Family	Food requirement in kg	Food grain price / kg	Money available to each family for buying food grains	Possessing Ration card
Α.	50	10	600	Yes
В	30	10	330	No
С	20	10	180	Yes
D	40	10	400	Yes

(1) A and B

(2) B and C

(3) C and D

- (4) D and A
- 100. Robinson Crusoe goes to sea with a net for fishing. Classify the factors of production and choose the appropriate option given below.

Item		Classification		
A.	Knowledge of fishing	1.	Physical Capital	
B.	Net	11.	Labour	
C.	Sea	111.	Human Capital	
D.	Swimming	IV.	Land : ·	

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

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

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

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