

NTSE

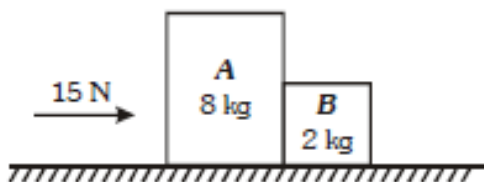
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1. A body starts from rest and travels a distance S with uniform acceleration, then moves uniformly a distance $2S$ and finally comes to rest after moving further $5S$ under uniform retardation. The ratio of the average velocity to maximum velocity is:
- (a) $\frac{2}{5}$ (b) $\frac{3}{5}$ (c) $\frac{4}{7}$ (d) $\frac{5}{7}$
2. Two blocks A and B of masses 8 kg and 2 kg respectively, lie on a horizontal frictionless surface as shown in the figure. They are pushed by a horizontally applied force of 15 N. The force exerted by B on A is



- (a) 1.5 N (b) 3.0 N (c) 4.5 N (d) 6.0 N
3. A stone weighing 250 g is tied to a string of length 25 cm and whirled in a horizontal plane over the top of a frictionless table with a uniform speed. Find the maximum speed with which the stone can be whirled if the string can bear at most a load of 14.4 kgf. (Take $g = 10 \text{ ms}^{-2}$)
- (a) 10 ms^{-1} (b) 11 ms^{-1} (c) 12 ms^{-1} (d) 13 ms^{-1}
4. A missile of mass M moving with velocity v in free space explodes into two parts. After the explosion one of the parts of mass m is left stationary. The other part proceeds with velocity
- (a) $\frac{Mv}{m}$ (b) $\frac{Mv}{(M-m)}$ (c) $\frac{(M-m)v}{M}$ (d) $\frac{mv}{M-m}$
5. An oil-tanker explodes in the sea. At that instant an aircraft and a submarine were present vertically above and below the oil-tanker respectively at equal distance from it. Find the ratio of the time taken by sound waves to reach them. (Speed of sound in air = 340 m/s. Speed of sound in sea water = 1520 m/s.)
- (a) 5.40 (b) 4.47 (c) 5.57 (d) 6.40

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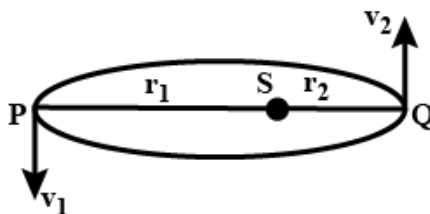
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6. The figure shown below is an elliptical orbit along which a planet revolves round the sun. Let the velocity of planet at P and Q positions be V_1 and V_2 respectively. Then, the possible relationship between magnitudes of V_1 and V_2 is



- (a) $V_1 < V_2$ (b) $V_1 = V_2$ (c) $V_1 > V_2$ (d) Cannot be determined
7. Wires A and B are made from the same material. Wire A has length 12 m and weighs 50 g, while wire B is 18 m long and weighs 40 g. Then the ratio (R_A / R_B) of their resistances will be
(a) 16/45 (b) 4/5 (c) 8/15 (d) 4/9
8. An electric bulb is marked 18 watt, 240 volt. If it is used across 240 V power line for one hour daily, calculate the number of days to consume 1 unit electric energy.
(a) 54.5 days (b) 55.5 days (c) 56.5 days (d) 57.5 days
9. A charged particle of charge q moving with velocity v enters along the axis of a current carrying solenoid. The magnetic force on the particle is
(a) Zero (b) qvB (c) Finite but not qvB (d) Infinite
10. Two different loops are concentric and lie in the same plane. The current in the outer loop is clockwise and increasing with time. The induced current in the inner loop then, is
(a) clockwise
(b) zero
(c) counter clockwise
(d) in a direction that depends on the ratio of the loop radii
11. Thin strips of iron and zinc are riveted together to form a bimetallic strip that bends when heated. The iron is on the inside of the bend because
(a) it has a higher coefficient of linear expansion
(b) it has a lower coefficient of linear expansion
(c) it has a higher specific heat
(d) it has a lower specific heat
12. The power and type of the lens by which a person can see clearly the distant objects, if a person cannot see objects clearly beyond 40 cm, are
(a) -2.5 D and concave lens (b) $+2.5$ D and convex lens
(c) -1.5 D and concave lens (d) $+1.5$ D and convex lens

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I still wonder how one man has such a deep understanding of an examination. It becomes the truth what ever N/A Sir says about NTSE.

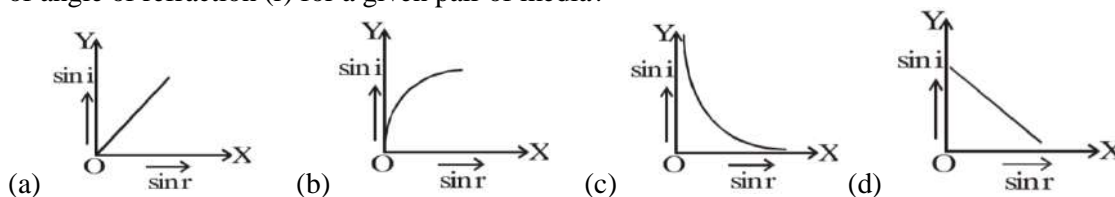
M. Pareek

An
NTSE Scholar
IIT-JEE (Adv.) AIR-3

Mukesh Pareek



13. Which of the following correctly represents graphical relation between sine of angle of incidence (i) and sine of angle of refraction (r) for a given pair of media?



14. Atmospheric pressures recorded in different cities are as follows –

Cities	P in N/m^2
Shimla	1.01×10^5
Bangalore	1.2×10^5
Delhi	1.02×10^5
Mumbai	1.21×10^5

Consider the above data and mark the place at which liquid will boil first.

- (a) Shimla (b) Bengaluru (c) Delhi (d) Mumbai

15. The compound that is not a Lewis acid.

- (a) BF_3 (b) AlCl_3 (c) BeCl_2 (d) NH_3

16. Ionic bonds are usually formed by combination of elements –

- (a) High ionization potential and low electron affinity.
 (b) Low ionization potential and high electron affinity.
 (c) High ionization potential and high electron affinity.
 (d) Low ionization potential and low electron affinity.

17. The element that cannot be used as oxidizing agent –

- (a) F (b) O (c) Li (d) S

18. A metal "x" loses two electrons and a non metal "y" gains an electron. This compound will –

- (a) Conduct electricity in solid state & will be soluble in water.
 (b) Do not conduct electricity in solid state & will be soluble in organic solvent.
 (c) Conduct electricity in solid state & will be soluble in organic solvent.
 (d) Do not conduct electricity in solid state & will be soluble in water.

19. The element 'Z' = 24 is placed in the modern periodic table –

- (a) Group – 3, Period – 3
 (b) Group – 4, Period – 5
 (c) Group – 17, Period – 4
 (d) Group – 6, Period – 4

20. The number of atoms in 0.1 mol of a triatomic gas is –

- (a) 1.800×10^{22} (b) 6.02×10^{22} (c) 1.806×10^{23} (d) 3.600×10^{23}

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21. 3.28 g of a sample of pure copper when heated in presence of oxygen for some time forms black copper oxide (CuO) which weighs 3.92 g. What approximate percent of copper remains unoxidised.
(a) 4.6% (b) 5.6% (c) 6.6% (d) 7.6%
22. When we loop a fine wire around a block of Ice with a heavy weight attached to it. The wire pass through the Ice even then it remains solid. This is due to
(a) Regelation (b) Effect Temperature (c) Effect of Impurity (d) None of these
23. The rate of diffusion of hydrogen gas is –
(a) 1.4 times to He gas (b) Same as He gas (c) 5 times to He gas (d) 2 times to He gas
24. H_2S reacts with halogens, the halogens :
(a) Form sulphur halides (b) Are oxidized (c) Are reduced (d) None of these
25. Which pair of atomic numbers represents s-block elements?
(a) 7, 15 (b) 6, 12 (c) 9, 17 (d) 4, 12
26. At 283K, a saturated solution of solid X can be prepared by dissolving 21.0 g of it in 100g of water. The maximum amount of X which can be dissolved in 100g of water at 313K is 62.0g. An attempt is made to dissolve 50.0g of X in 100g of water at 313K.
(A) All the 50.0g of X will dissolve at 313K.
(B) At 313K 29.0g of X will remain undissolved.
(C) Solubility of X decreases with increase of temperature
(D) On cooling the solution of X from 313K to 283K more than 29.0g of X will crystallize out.
Which of the above statements are correct?
(a) A and B (b) A and D (c) B and C (d) A, C and D
27. Consider the following statements regarding the living cell:
(A) The Golgi apparatus links carbohydrates with proteins to form glycoproteins.
(B) In plants, the Golgi complex synthesizes pectin.
(C) The lysosomes store the hydrolyzing enzymes.
(a) Only (A) and (B) (b) Only (B) (c) Only (C) (d) (A), (B) and (C)
28. Which among the following statements are true for unisexual flower?
(A) They possess both stamen and pistil.
(B) They possess either stamen or pistil.
(C) They exhibit cross-pollination.
(D) Unisexual flowers possessing only stamens cannot produce fruits.
(a) (A) and (D)
(b) (B), (C) and (D)
(c) (C) and (D)
(d) (A), (C) and (D)

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29. Match the column-I and column-II and select the correct option.

Column I (Cell)	Column II (Function)
(A) Parenchyma	(p) Water transport
(B) Sclerenchyma	(q) Provide buoyancy to aquatic plants
(C) Tracheids	(r) Storage, division
(D) Aerenchyma	(s) Mechanical strength

- (a) (A) – (r); B – (s); C – (p); D – (q) (b) (A) – (s); B – (r); C – (p); D – (q)
 (c) (A) – (s); B – (r); C – (q); D – (p) (d) (A) – (s); B – (q); C – (r); D – (p)

30. Match column-I with column-II and select the correct answer using the codes given below:

Column I	Column II
(A) Duodenum	(p) Opening of wind pipe
(B) Epiglottis	(q) Small wind sac
(C) Caecum	(r) A cartilaginous flap
(D) Glottis	(s) 'V' shaped structure emerging from the stomach

- (a) (A) – s; (B) – r; (C) – q; (D) – p (b) (A) – p; (B) – q; (C) – r; (D) – s
 (c) (A) – s; (B) – q; (C) – r; (D) – p (d) (A) – s; (B) – r; (C) – p; (D) – q

31. On the basis of following features identify correct option.

- I. It is the type of fishery practised in small water bodies where fish is first reared and then harvested.
 II. It depends upon topography, water resource, particle size and nutrients.
 III. It is integrated with agriculture in paddy cum fish culture.

- (a) Fin fishery (b) Shell fishery (c) Capture fishery (d) Culture fishery

32. It is said, the Tajmahal may be destroyed due to:

- (a) Flood in Yamuna river.
 (b) Decomposition of marble as a result of high temperature.
 (c) Air pollutants released from oil refinery of Mathura.
 (d) All of the above.

33. Consider the following statements:

- (A) In the animals of phylum Porifera, called sponges, the reproduction is only asexual by budding.
 (B) Many forms of Coelenterata possess a hard exoskeleton of lime to form corals.
 (C) In the animals of phylum Echinodermata, body surface is covered all over by calcareous spines.
 Which of the above statement(s) is/are not correct?

- (a) Only (A) (b) Only (B) (c) (A) and (B) (d) (A), (B) and (C)

34. Why should we not test for glucose instead of starch in the green leaves?

- (a) The glucose formed during photosynthesis gets polymerized into starch. So stable product one can test is starch.
 (b) The glucose formed during photosynthesis gets polymerized into fructose. So starch gives positive test.
 (c) Both (a) and (b)
 (d) None of these

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35. **Assertion:** The honey bee queen copulates only once in her life time.
Reason: The honey bee queen can lay fertilized as well as unfertilized eggs.
(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.

36. Match column-I with column-II and select the correct answer using the codes given below:

Column I	Column II
(A) Jaundice	(p) Infectious diseases
(B) Encephalitis	(q) Malaria
(C) Immune system	(r) Water borne disease
(D) Liver	(s) Penicillin
(E) Immunization	(t) Mosquito bite
	(u) HIV

- (a) (A) – r; (B) – t; (C) – u; (D) – q; (E) – p
(b) (A) – t; (B) – u; (C) – r; (D) – q; (E) – p
(c) (A) – p; (B) – q; (C) – t; (D) – u; (E) – r
(d) (A) – r; (B) – t; (C) – p; (D) – u; (E) – q

37. Identify a, b, c and d in the table given below:

	TR	Tr	tR	tr
TR	Tall Red	a	Tall Red	Tall Red
Tr	Tall Red	b	Tall Red	Tall White
tR	c	Tall Red	d	Dwarf Red
tr	Tall Red	Tall White	Dwarf Red	Dwarf White

- (a) a-Tall Red, b-Tall Red, c-Dwarf Red, d-Dwarf White
(b) a-Tall Red, b-Tall White, c-Tall Red, d-Dwarf Red
(c) a-Dwarf Red, b-Dwarf White, c-Tall Red, d-Tall White
(d) None of these

38. Consider the following statements regarding manure:
(A) Manure contains large quantities of organic matter and small quantities of nutrients.
(B) It increases the water holding capacity of sandy soil.
(C) It helps in draining out excess of water from clayey soil.
(D) Its excessive use pollutes environment because it is made of animal excretory waste.
(a) (A) and (C)
(b) (A) and (B)
(c) (B) and (C)
(d) (C) and (D)

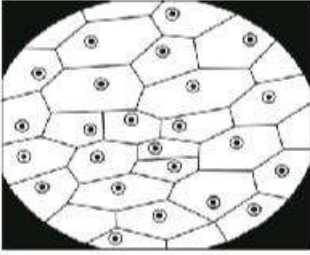
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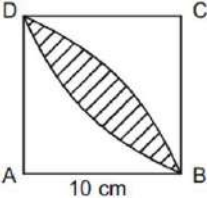
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39. A teacher focused the slide below under a compound microscope. Which student identified it correctly?

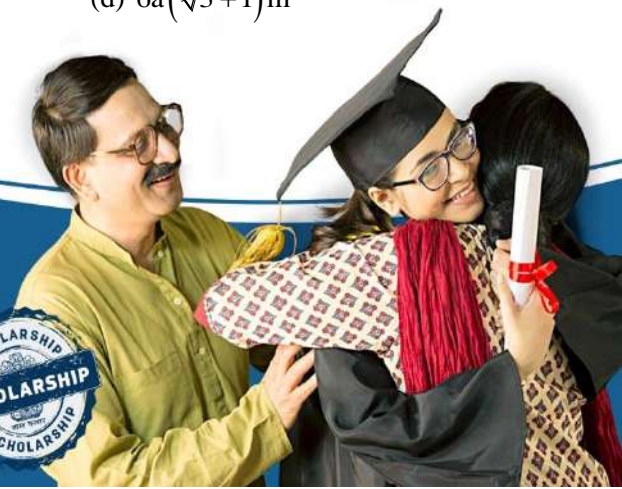


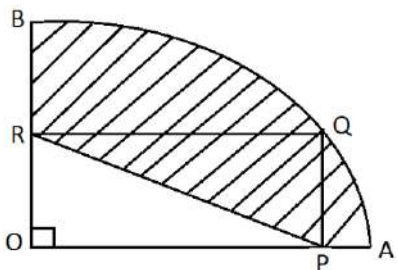
- (a) Sheela identified it as cheek cells. (b) Madhu identified it as squamous epithelium
(c) Balaji identified it as parenchyma. (d) Shanti identified it as onion peel.
40. Which of the following statements about transmission of nerve impulse is correct?
(A) Nerve impulse travels from dendritic end towards axonal end.
(B) At the dendritic end, electrical impulses bring about the release of some chemicals which generate an electrical impulse at the axonal end of another neuron.
(C) The chemicals released from the axonal end of one neuron cross the synapse and generate a similar electrical impulse in a dendrite of another neuron.
(D) A neuron transmits electrical impulses not only to another neuron but also to muscle and gland cells.
Which of the above statements are correct?
(a) (A) and (C) (b) (B) and (D) (c) (A), (C) and (D) (d) (B), (C) and (D)
41. If $xyz + xy + yz + xz + x + y + z = 384$ and x, y, z are positive integers then $x + y + z$ is
(a) 23 (b) 18 (c) 20 (d) 35
42. In a circle of 10 cm radius, two chords $AB = AC = 12$ cm, then the length of the chord BC is
(a) 12 cm (b) 9.6 cm (c) 19.2 cm (d) 7.2 cm
43. Find the area of shaded region, where side of square $ABCD$ is 10 cm and two arcs drawn from two opposite vertices of the square.
- 
- (a) $\frac{200}{7}$ cm² (b) $\frac{400}{7}$ cm² (c) $\frac{600}{7}$ cm² (d) $\frac{100}{7}$ cm²
44. Two persons are 'a metres apart and the height of one is double that of the other. If from the middle point of the line joining their feet, an observer finds the angular elevations of their tops to be complementary, then find the height of the shortest person.
(a) $\frac{a}{2\sqrt{2}}$ m (b) $4a$ m (c) $\frac{2a}{3}$ m (d) $6a(\sqrt{3} + 1)$ m

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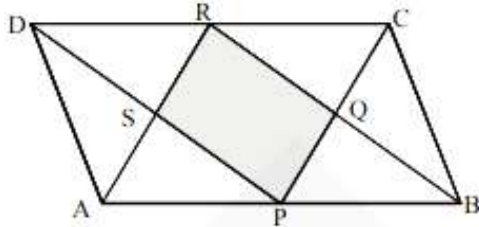


45. The sum of two numbers is 407. The sum and the difference of their LCM and HCF is 925 and 851 respectively. Then the difference of the two numbers is.
 (a) multiple of 2 (b) multiple of 5 (c) multiple of 3 (d) multiple of 7
46. If a, b, c be the 4th, 7th and 10th term of an A.P. respectively then the sum of the roots of the equation $ax^2 - 2bx + c = 0$ is
 (a) $-\frac{b}{a}$ (b) $-\frac{2b}{a}$ (c) $\frac{c+a}{a}$ (d) Cannot be determined
47. If the radius of a right circular cylinder, open at both the ends, is decreased by 25% and the height of the cylinder is increased by 25% then the surface area of the cylinder, thus formed
 (a) Remains unaltered (b) Is increased by 25%
 (c) Is decreased by 25% (d) Is decreased by 6.25%
48. In this figure AOB is a quarter circle of radius 10 and PQRO is a rectangle of perimeter 26. The perimeter of the shaded region is

 (a) $13 + 5\pi$ (b) $17 + 5\pi$ (c) $7 + 10\pi$ (d) $7 + 5\pi$
49. Let ABC be a triangle with $\angle B = 90^\circ$. Let AD be the bisector of $\angle A$ with D on BC. Suppose $AC = 6$ cm and the area of the triangle ADC is 10 cm^2 . Then the length of BD in cm is equal to
 (a) $\frac{3}{5}$ (b) $\frac{3}{10}$ (c) $\frac{5}{3}$ (d) $\frac{10}{3}$
50. The graphs of the equations $x - y = 2$ and $kx + y = 3$, where k is the constant, intersect at the point (x, y) in the first quadrant, if and only if k is
 (a) Equal to -1 (b) Greater than -1 (c) Less than $3/2$ (d) Lying between 1 and $3/2$
51. $\triangle ABC$ has vertices $A(-4, 1)$, $B(2, -1)$ and $C(1, k)$. Then number of possible values for k such that the triangle is isosceles is
 (a) 1 (b) 3 (c) 5 (d) 4

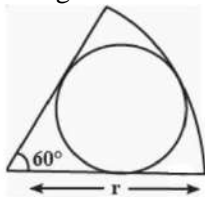
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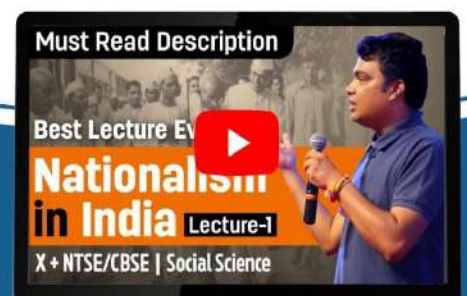
52. In the adjoining figure ABCD, P and R are the mid-points of the sides AB and CD. ABCD is a parallelogram. What is the ratio of the shaded to the unshaded region?



- (a) $1/2$ (b) $1/3$ (c) $1/4$ (d) None of these
53. A closed vessel is filled with water fully and is placed with its vertex down. The water is flow out at a constant speed. After 21 minutes, it was found that the height of the water column is half of the original height. How much more time in minutes does it require to empty the vessel?
- (a) 21 (b) 14 (c) 7 (d) 3
54. Two workers A and B are engaged to do a piece of work. Working alone, A takes 8 hours more to complete the work than if both worked together. On the other hand, working alone, B would need $4\frac{1}{2}$ hours more to complete the work than if both worked together. How much time would they take to complete the job working together?
- (a) 4 Hours (b) 5 Hours (c) 6 Hours (d) 7 Hours
55. A circle is drawn in a sector of a larger circle of radius r , as shown in the adjacent figure. The smaller circle is tangent to the two bounding radii and the arc of the sector. The radius of the small circle is -



- (a) $\frac{r}{2}$ (b) $\frac{r}{3}$ (c) $\frac{2\sqrt{3}r}{5}$ (d) $\frac{r}{\sqrt{2}}$
56. A regular octagon is formed by cutting congruent isosceles right – angled triangles from the corners of a square. If the square has side – length 1, the side – length of the octagon is –
- (a) $\frac{\sqrt{2}-1}{2}$ (b) $\sqrt{2}-1$ (c) $\frac{\sqrt{5}-1}{4}$ (d) $\frac{\sqrt{5}-1}{3}$



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57. If $y = \sin^2 \theta + \operatorname{cosec}^2 \theta$, $\theta \neq 0$ then:
 (a) $y = 0$ (b) $y \leq 2$ (c) $y \geq -2$ (d) $y > 2$

58. If $(1 - p)$ is a root of quadratic equation $x^2 + px + (1 - p) = 0$, then its roots are:
 (a) 0, 1 (b) -1, 1 (c) 0, -1 (d) -1, 2

59. If mean of following distribution is 6. Find the value of P.

x_i	2	4	6	10	$P + 5$
F_i	3	2	3	1	2

(a) 6 (b) 7 (c) 8 (d) 9

60. Let AB be a line segment of length 2. Construct a semicircle S with AB as diameter. Let C be the midpoint of the arc AB. Construct another semicircle T external to the triangle ABC with chord AC as diameter. The area of the region inside the semicircle T but outside S is

(a) $\frac{\pi}{2}$ (b) $\frac{1}{2}$ (c) $\frac{\pi}{\sqrt{2}}$ (d) $\frac{1}{\sqrt{2}}$

61. On the morning of 18 January 1871, an assembly of princes of German states, representatives of the army, etc. gathered to:
 (a) Wage a war on the Balkan region
 (b) Proclaim Kaiser William I the emperor of the German Empire
 (c) Form zollverein
 (d) To demark boundaries in Africa

62. During the middle of the nineteenth century, northern Italy was ruled by:
 (a) Ottoman Empire
 (b) The prince of Sardinia-Piedmont
 (c) The Pope
 (d) Austrian Habsburg Empire

63. Match the Following:

	List – I		List – II
A.	Rays of the rising sun	1.	Readiness to fight
B.	Sword	2.	Heroism
C.	Olive branch around the sword	3.	Beginning of a new era
D.	Crown of oak leaves	4.	Willingness to make peace

(a) A – 3, B – 4, C – 1, D – 2
 (b) A – 4, B – 2, C – 3, D – 1
 (c) A – 3, B – 1, C – 4, D – 2
 (d) A – 4, B – 1, C – 2, D – 3

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64. The Scholars Revolt of 1868 was
 (a) Against French control and the spread of Christianity
 (b) Against extremely high taxes
 (c) Against partiality against the Vietnamese in schools and colleges
 (d) Against the French culture
65. Which of the following statements are true about Vietnam in 1930s?
 I. The prices of rubber were rising
 II. The prices of rice were falling
 III. Ha Tinh was one of the poorest provinces
 IV. Competing nationalist groups came together to form the Vietnamese Communist Party
 (a) I, II, IV (b) II, IV (c) I, III, IV (d) I, II, III, IV
66. Mahatma Gandhi sent a letter to Irwin on:
 (a) 27 January 1930 (b) 31 January 1931 (c) 27 January 1931 (d) 31 January 1930
67. The IMF and the World Bank were made to meet the financial needs of:
 (a) Poor countries (b) The industrial countries
 (c) Developing countries (d) North America
68. Which of the following statements are true about Victorian Britain?
 I. There was shortage of labour
 II. The bourgeoisie preferred handmade items
 III. Night Refuges were set up by private individuals
 IV. People migrated to villages in search of work as there was very less work in cities
 (a) I, II (b) II, IV (c) I, II, III (d) II, III
69. The control of Bombay passed into the hands of the British as a result of:
 (a) The marriage of Britain's King Charles II to the Portuguese princess
 (b) A treaty between the Portuguese and the British
 (c) The victory of Britain over Portugal
 (d) The decision of France to leave India
70. Match the following:
- | List – I | | List – II | |
|----------|-------------|-----------|--------------------------------------|
| A. | Taile | 1. | The Spirit of Laws |
| B. | Tithe | 2. | A unit of currency |
| C. | Livre | 3. | A tax levied by the church |
| D. | Montesquieu | 4. | Tax to be paid directly to the state |
- (a) A – 3, B – 4, C – 1, D – 2 (b) A – 4, B – 3, C – 2, D – 1
 (c) A – 3, B – 1, C – 4, D – 2 (d) A – 4, B – 1, C – 2, D – 3

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71. What was there on the right bank of the river Neva?
I. Workers' quarters
II. Official buildings
III. The Winter Palace
IV. Factories
(a) I, IV (b) I, II (c) I, II, IV (d) II, III
72. Which statement is false about Nazi Germany?
(a) Gypsies were considered inferior
(b) Blacks were considered inferior
(c) Russians were considered sub-humans
(d) Germans who were outside Germany were not allowed to enter the country
73. Oil for cooking or lighting lamp was extracted from
(a) Siadi (b) Semur (c) Mahua (d) Bamboo
74. Deodar tree was usually found in:
(a) Reserved forests (b) Protected forests (c) Unclassed forests (d) None of these
75. Mark the correct option:
Statement 1: The British paid in advance to grow opium
Statement 2: The farmers of Bihar did not agree to grow opium
(a) Statement 1 is true but 2 is false
(b) Statement 2 is true but 1 is false
(c) Both the statements are true and statement 2 is the correct explanation of statement 1
(d) Both are true but statement 2 is not the correct explanation of statement 1
76. Which of the following statements are correct?
I. 43 % of area of India is occupied by plains
II. 30 % of area of India is occupied by plateaus
III. 27 % of area of India is occupied by mountains
(a) Only I (b) Only II (c) II and III (d) I and III
77. In Western Rajasthan, the practice of rainwater harvesting is declining due to:
(a) Reducing focus on agriculture
(b) Increase in annual rainfall
(c) Availability of water from Rajasthan Canal
(d) Development of agriculture techniques which need less water

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78. Ragi is rich in:
I. Iron
II. Potassium
III. Vitamin A
IV. Calcium
- (a) I, II (b) I, IV (c) I, II, III (d) I, II, III, IV
79. These are kharif crops
I. Cotton
II. Wheat
III. Rice
IV. Mustard
- (a) I, IV (b) II, IV (c) I, II (d) I, III
80. These are the characteristics of mica:
I. It is made of series of plates
II. It has excellent di-electric strength
III. It has high power loss factor
IV. It has resistance to high voltage
- (a) I, II (b) I, II, III (c) I, II, IV (d) I, II, III, IV
81. This is often called the Ruhr of India:
(a) Northern plains (b) The Konkan Belt
(c) Chota Nagpur Plateau (d) The Himalayas
82. OIL is:
(a) A private company (b) A public sector company
(c) A joint sector company (d) A cooperative company
83. This place has woolen textiles industry
(a) Bengaluru (b) Wardha (c) Chennai (d) Surat
84. What is the average road density in India as per March 2011?
(a) 142.68 km (b) 153.68 km (c) 517.77 km (d) 346.78 km
85. Indira Point submerged in water in:
(a) 2011 (b) 2008 (c) 2004 (d) 1999

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M. Pareek

An
NTSE Scholar
IIT-JEE (Adv.) AIR-3

Mukesh Pareek

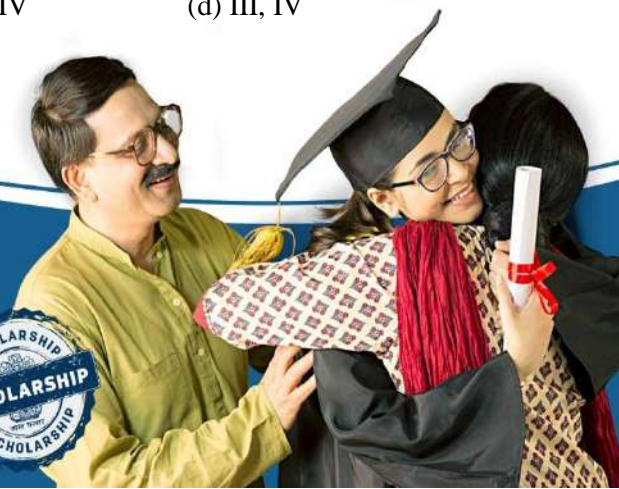


86. The average height of the Himadri is:
(a) 4500 m (b) 6000 m (c) 6500 m (d) 5000 m
87. According to the Indus Water Treaty, India can use:
(a) 35% of the water of the Indus
(b) 30% of the water of the Indus
(c) 20% of the water of the Indus
(d) 50% of the water of the Indus
88. Tahiti is located at:
(a) 18°S/149°W (b) 12°30'S/131°E (c) 14°S/149°W (d) 15°30'S/128°E
89. You visit a forest where you see scorpions, lemur and sloth. Which type of forest are you visiting?
(a) Mangrove forests (b) Montane forests
(c) Tropical deciduous forests (d) Tropical evergreen forests
90. The population density in India in 2001 was
(a) 334 persons per sq. km (b) 324 persons per sq. km
(c) 376 persons per sq. km (d) 386 persons per sq. km
91. Which of the following statements are wrong?
I. Nepal experienced an extraordinarily popular movement in April 2008
II. Nepal is said to be one of the third wave countries to win democracy
III. Birendra was killed because he did not accept the transition from absolute monarchy to constitutional monarchy
IV. New King Gyanendra was ready to accept constitutional monarchy
(a) I, II (b) I, III (c) I, II, III (d) I, II, IV
92. Choose the correct statement:
(a) In 2001, the Scheduled Castes were 16.2 percent of the total population
(b) In 2001 the Scheduled Tribes were about 8.2 percent of the total population
(c) The Census does not yet count the Other Backward Classes
(d) The strict policies in the constitution have eradicated casteism from India
93. Which of the following sentences are incorrect?
I. In the USA, all the people participate in choosing the candidates for elections
II. Parties reflect fundamental political divisions in a society
III. The rise of political parties is directly linked to the emergence of representative democracies
IV. In India, common people and party members choose the candidates for contesting elections
(a) I, II, III (b) I, IV (c) I, II, IV (d) III, IV

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94. Match the following:

	List – I		List – II
A.	Somnath Lahiri	1.	Founder of Bhartiya Jansangh
B.	Shyama Prasad Mukherjee	2.	Founder of Swatantra Party
C.	Kanhaiyalal Maniklal Munshi	3.	Defense Minister
D.	Baldev Singh	4.	Member of West Bengal Legislative Assembly

(a) A – 4, B – 1, C – 2, D – 3

(b) A – 2, B – 3, C – 4, D – 1

(c) A – 3, B – 4, C – 1, D – 2

(d) A – 4, B – 3, C – 1, D – 2

95. Whose government was hostile against Albanians in Kosovo?

(a) Robonovic

(b) Milanovisr

(c) Milosevic

(d) Chekhovic

96. Which of the following statements are correct?

I. Markets are fair when producers are few

II. Consumer movements became organized in 1960s

III. The compensation to be paid to a consumer depends on the quantum of damage caused to the consumer

IV. Under COPRA, a three-tier judicial machinery at the district, state and national levels was set up for redressal of consumer disputes

(a) II, III

(b) I, III

(c) I, IV

(d) II, IV

97. Which statement is false about globalization?

(a) Importing goods is a good idea in order to expand choice available to people

(b) Containers reduce the handling cost of goods

(c) Foreign trade restricts the options for the producers

(d) All of the above

98. Which of the following statements are correct?

I. The value of final goods is counted in the GDP

II. The value of final services is counted in the GDP

III. The value imports are also counted in the GDP

IV. The primary sector is the most important in terms of production

(a) I, II

(b) II, III

(c) I, II, III

(d) I, II, IV

99. RPDS was introduced in:

(a) 2000

(b) 1989

(c) 1991

(d) 1992

100. Which of the following are the requirements for the production of goods and services?

I. Land

II. Labour

III. Fixed capital

IV. Enterprise

(a) I, II, III

(b) I, II, III, IV

(c) I, II, IV

(d) II, III

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

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