

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	1	<p>Net force on a particle equals</p> <p>A1 : rate of change of velocity of the particle</p> <p>A2 rate of change of momentum of the particle – (Correct Alternative)</p> <p>A3 : acceleration of the particle</p> <p>A4 : rate of change of displacement</p>	1.0	0.25
Objective Question				
2	2	<p>The maximum height attained by an object thrown vertically up with velocity is</p> <p>A1 : $\sqrt{\frac{V^2}{2g}}$ – (Correct Alternative)</p> <p>A2 : $\sqrt{\frac{V^2}{g}}$</p> <p>A3 : $\sqrt{\frac{2V^2}{g}}$</p> <p>A4 : $\sqrt{\frac{V^2}{3g}}$</p>	1.0	0.25
Objective Question				
3	3	<p>Given a pair of equal and opposite forces with a common line of action acting on a body, identify the wrong statement</p>	1.0	0.25

		<p>A1 : The net force on the body due to the pair of forces is zero</p> <p>A2 : Net moment due to the pair of forces about every point is zero</p> <p>A3 Net moment due to the pair of forces about some points may be : non-zero. – (Correct Alternative)</p> <p>A4 : The pair of forces cannot cause translation of the body</p>		
Objective Question				
4	4	<p>The SI units of moment of inertia of a rigid body are</p> <p>A1 : $\text{kgm}^2\text{s}^{-2}$</p> <p>A2 kgm^2 – (Correct Alternative)</p> <p>A3 : kg s^{-2}</p> <p>A4 : kgms^{-2}</p>	1. 0	0.2 5
Objective Question				
5	5	<p>The buoyancy force on an object submerged in a fluid arises because of</p> <p>A1 : surface tension</p> <p>A2 gravitational force – (Correct Alternative)</p> <p>A3 : the viscous nature of the fluid</p> <p>A4 : centripetal acceleration</p>	1. 0	0.2 5
Objective Question				

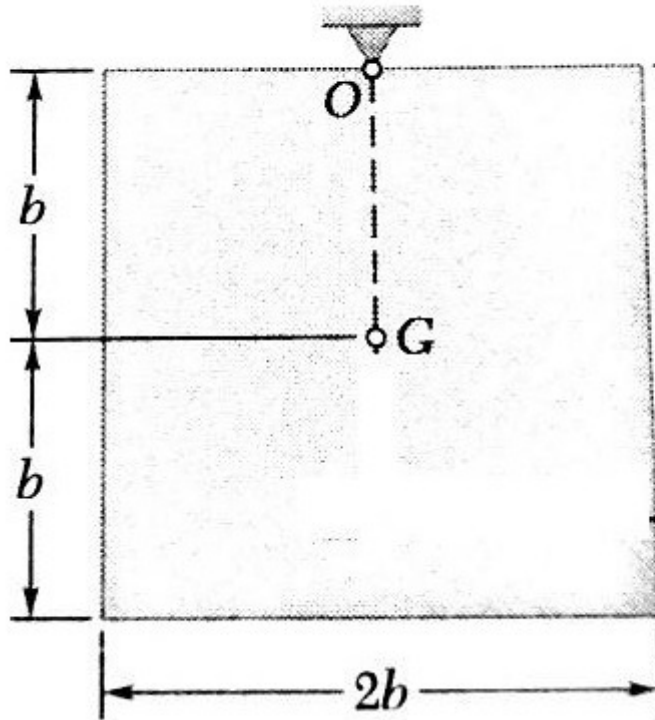
6	6	<p>In the flow field of an ideal fluid</p> <p>A1 : normal stress components are zero everywhere</p> <p>A2 shear stress components are zero everywhere – (Correct Alternative)</p> <p>A3 : velocity field is always uniform</p> <p>A4 : pressure field is always uniform</p>	1. 0	0.2 5
Objective Question				
7	7	<p>In an incompressible flow field, Bernoulli's equation relates</p> <p>A1 pressure and velocity of two points – (Correct Alternative)</p> <p>A2 : pressure and temperature of two points</p> <p>A3 : velocity and temperature of two points</p> <p>A4 : acceleration and velocity of two points</p>	1. 0	0.2 5
Objective Question				
8	8	<p>A cricket ball swings because of</p> <p>A1 : dust in the air</p> <p>A2 seam on the ball and boundary layer separation – (Correct Alternative)</p> <p>A3 : humidity in the air</p> <p>A4 : warm air</p>	1. 0	0.2 5

Objective Question				
9	9	<p>The Pelton wheel is a device to convert</p> <p>A1 mechanical energy of a fluid into useful work – (Correct Alternative)</p> <p>A2 internal energy of a fluid into useful work</p> <p>A3 nuclear energy of a fluid into useful work</p> <p>A4 chemical energy of a fluid into useful work</p>	1.0	0.25
Objective Question				
10	10	<p>If two systems are both in thermal equilibrium with a third system then they are in thermal equilibrium with each other. This is the statement of</p> <p>A1 the first law of thermodynamics – (Correct Alternative)</p> <p>A2 the second law of thermodynamics</p> <p>A3 the third law of thermodynamics</p> <p>A4 None of the above</p>	1.0	0.25
Objective Question				
11	11	<p>How many independent material constants does a linearly elastic orthotropic material have?</p> <p>A1 2</p> <p>A2 5</p> <p>A3 9 – (Correct Alternative)</p>	1.0	0.25

		A4 36 :		
Objective Question				
12	12	Consider the force field given by $F = -yzi - zxj - xyk$. Also, consider the points A(1,1,1,1), B(2,2,2) and C (3,3,3). Work done by this force F along the path A to B to C to A is A1 Zero – (Correct Alternative) : A2 8 : A3 27 : A4 26 :	1.0	0.25
Objective Question				
13	13	The principal planes of stress at a point A1 does not exist always : A2 are at least three in number – (Correct Alternative) : A3 cannot be defined : A4 none of these.	1.0	0.25
Objective Question				
14	14	When a beam is subjected to pure bending, the normal to the plane of the bending A1 always coincides with the applied bending moment direction : A2 may not coincide with the applied bending moment direction if	1.0	0.25

		<p>: the cross-section is not symmetric. – (Correct Alternative)</p> <p>A3 : is not defined</p> <p>A4 : none of these</p>		
Objective Question				
15	15	<p>Two smooth balls of equal masses undergo head-on collision. Assume the coefficient of restitution to be zero. What can you say about their kinetic energy after collision?</p> <p>A1 : the total kinetic energy always decreases – (Correct Alternative)</p> <p>A2 : the kinetic energy of both the balls will increase</p> <p>A3 : both will start moving in two different directions</p> <p>A4 : none of these</p>	1. 0	0.2 5
Objective Question				
16	16		1. 0	0.2 5

A square plate ($2b \times 2b$) is suspended about point O. The moment of Inertia of the plate of mass 'm' about its center of mass at G is $\frac{2}{3} mb^2$. The time period of oscillation of the plate when oscillating about the point 'O' is



A1

:

$$\tau_n = 2\pi \sqrt{\frac{5b}{g}}$$

A2

:

$$\tau_n = 2\pi \sqrt{\frac{5b}{3g}}$$

– (Correct Alternative)

A3

:

$$\tau_n = 2\pi \sqrt{\frac{b}{3g}}$$

A4

:

$$\tau_n = 2\pi \sqrt{\frac{2b}{3g}}$$

Objective Question				
17	17	<p>A material is isotropic in nature. The strain and stress matrix at a point will have same principal directions?</p> <p>A1 True – (Correct Alternative) :</p> <p>A2 False :</p> <p>A3 Cannot be determined :</p> <p>A4 It depends on the material. :</p>	1. 0	0.2 5
Objective Question				
18	18	<p>For a Newtonian stokes flow,</p> <p>A1 inertial force is neglected – (Correct Alternative) :</p> <p>A2 inertial force is considered :</p> <p>A3 Reynolds number is very large :</p> <p>A4 none of the above :</p>	1. 0	0.2 5
Objective Question				
19	19		1. 0	0.2 5

		<p>Which are the zero force members:</p> <p>A1 : BC and KL are zero force members</p> <p>A2 : BC and CD are zero force members – (Correct Alternative)</p> <p>A3 : BC and FG are zero force members</p> <p>A4 : CD and KL are zero force members</p>		
Objective Question				
20	20	<p>What does shear strain signify in linear elasticity theory?</p> <p>A1 : change in length</p> <p>A2 : change in angle between two lines of a body – (Correct Alternative)</p> <p>A3 : change in volume of the body</p> <p>A4 : none of the above</p>	1. 0	0.2 5
Objective Question				
21	21	<p>Cold working of metal is carried out</p> <p>A1 : Below the recrystallization temperature – (Correct Alternative)</p>	1. 0	0.2 5

		<p>A2 Above the recrystallization temperature :</p> <p>A3 At the recrystallization temperature :</p> <p>A4 At any temperature :</p>		
Objective Question				
22	22	<p>The increase in hardness due to cold working is called</p> <p>A1 Flame hardening :</p> <p>A2 Work hardening – (Correct Alternative) :</p> <p>A3 Age hardening :</p> <p>A4 Induction hardening :</p>	1. 0	0.2 5
Objective Question				
23	23	<p>In arc welding, the electric arc is produced between the work and the electrode by-</p> <p>A1 Flow of current – (Correct Alternative) :</p> <p>A2 Contact resistant :</p> <p>A3 Voltage :</p> <p>A4 All of these :</p>	1. 0	0.2 5
Objective Question				
24	24	A file removes the metal during-	1. 0	0.2 5

		<p>A1 Return stroke :</p> <p>A2 Forward stroke – (Correct Alternative) :</p> <p>A3 Both (A) and (B) :</p> <p>A4 None of the above :</p>		
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Objective Question

25	25	<p>A ring gauge is used to-</p> <p>A1 Check the clearance between two meeting surface :</p> <p>A2 Test the accuracy of hole :</p> <p>A3 Check the diameter of shaft or studs – (Correct Alternative) :</p> <p>A4 All of the above :</p>	1. 0	0.2 5
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Objective Question

26	26	<p>The lathe bed is made of –</p> <p>A1 Pig iron :</p> <p>A2 Alloy steel :</p> <p>A3 Mild steel :</p> <p>A4 Grey cast iron – (Correct Alternative) :</p>	1. 0	0.2 5
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Objective Question

27	27	<p>The crystal structure of austenite is</p> <p>A1 : Body centered cubic</p> <p>A2 : Face centered cubic – (Correct Alternative)</p> <p>A3 : Hexagonal closed packed</p> <p>A4 : Body centered tetragonal</p>	1. 0	0.2 5
Objective Question				
28	28	<p>The material property which depends only on the basic crystal structure is</p> <p>A1 : Fatigue strength</p> <p>A2 : Work hardening</p> <p>A3 : Fracture strength – (Correct Alternative)</p> <p>A4 : Elastic constant</p>	1. 0	0.2 5
Objective Question				
29	29	<p>In full mould (cavity -less) casting process, the pattern is made of</p> <p>A1 : Expanded polystyrene – (Correct Alternative)</p> <p>A2 : Wax</p> <p>A3 : Epoxy</p> <p>A4 : Plaster of paris</p>	1. 0	0.2 5

Objective Question				
30	30	<p>Chills are used in moulds to</p> <p>A1 : Achieve directional solidification – (Correct Alternative)</p> <p>A2 : Reduce the possibility of blowholes</p> <p>A3 : Reduce freezing time</p> <p>A4 : Smoothen metal flow for reducing splatter</p>	1. 0	0.2 5
Objective Question				
31	31	<p>Initially, a company was maintaining two times production rate than the demand rate. Later, the company started to produce four times the demand rate of the product. What will be the ratio of economic batch size or economic order quantity of production considering initial and later production rate</p> <p>A1 : 1:2</p> <p>A2 : 2:3</p> <p>A3 : $\sqrt{2}:\sqrt{3}$ – (Correct Alternative)</p> <p>A4 : $\sqrt{3}:\sqrt{2}$</p>	1. 0	0.2 5
Objective Question				
32	32	<p>An assembly line consists of 4 tasks with times of 5, 9, 6 and 8 minutes. The cycle time is 10 minutes. The proposed layout has 4 workstations. What is the efficiency of the layout?</p> <p>A1 : 100%</p> <p>A2 80%</p>	1. 0	0.2 5

		<p>:</p> <p>A3 70% – (Correct Alternative)</p> <p>:</p> <p>A4 60%</p> <p>:</p>		
Objective Question				
33	33	<p>A firm uses economic order quantity of 100 units and the reorder point as 20 units. The consumption rate of the material is 10 units per week. The lead time of supply of the materials will be</p> <p>A1 100 weeks</p> <p>:</p> <p>A2 10 weeks</p> <p>:</p> <p>A3 2 weeks – (Correct Alternative)</p> <p>:</p> <p>A4 20 weeks</p> <p>:</p>	1. 0	0.2 5
Objective Question				
34	34	<p>Progressive failure is the failure</p> <p>A1 whose probability increases with the age of the item – (Correct Alternative)</p> <p>:</p> <p>A2 whose probability in the initial years of the life is more</p> <p>:</p> <p>A3 whose probability is random</p> <p>:</p> <p>A4 all the above</p> <p>:</p>	1. 0	0.2 5
Objective Question				
35	35	By crashing the activities in the project management	1. 0	0.2 5

		<p>A1 : direct cost increases – (Correct Alternative)</p> <p>A2 : direct cost decreases</p> <p>A3 : indirect cost increases</p> <p>A4 : indirect cost increase with decrease in direct cost</p>		
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Objective Question

36	36	<p>Under microscope, ferrite appears</p> <p>A1 : White</p> <p>A2 : Light – (Correct Alternative)</p> <p>A3 : Dark</p> <p>A4 : None of these</p>	1. 0	0.2 5
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Objective Question

37	37	<p>Corrundum contains more than 95%-</p> <p>A1 : MgO</p> <p>A2 : SiO₂</p> <p>A3 : Al₂O₃ – (Correct Alternative)</p> <p>A4 : Steel</p>	1. 0	0.2 5
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Objective Question

38	38	<p>..... is the binding material in cemented carbide</p> <p>A1 Nickel :</p> <p>A2 Cobalt – (Correct Alternative) :</p> <p>A3 Carbon :</p> <p>A4 Vanadium :</p>	1. 0	0.2 5
Objective Question				
39	39	<p>..... Structure has maximum hardness</p> <p>A1 Troosite :</p> <p>A2 Pearlite :</p> <p>A3 Martensite – (Correct Alternative) :</p> <p>A4 Sorbite :</p>	1. 0	0.2 5
Objective Question				
40	40	<p>Austenite is a solid solution of carbon in iron</p> <p>A1 Alpha :</p> <p>A2 Beta :</p> <p>A3 Gamma – (Correct Alternative) :</p> <p>A4 Delta :</p>	1. 0	0.2 5

Objective Question				
41	41	<p>The mono-block sleeper has</p> <p>A1 : square section</p> <p>A2 : rectangular section</p> <p>A3 : trapezoidal section – (Correct Alternative)</p> <p>A4 : semi-circular section</p>	1. 0	0.2 5
Objective Question				
42	42	<p>The overall length of a turnout is the distance between the end of stock rail and</p> <p>A1 : heel of crossing – (Correct Alternative)</p> <p>A2 : actual nose of crossing</p> <p>A3 : throat of crossing</p> <p>A4 : toe of crossing</p>	1. 0	0.2 5
Objective Question				
43	43	<p>The concentration of wheel load at a localized width of pavement can cause</p> <p>A1 : elastic deformation</p> <p>A2 : plastic deformation</p> <p>A3 : extra distress – (Correct Alternative)</p>	1. 0	0.2 5

		A4 temperature variation :		
Objective Question				
44	44	<p>The value of camber recommended for thin bituminous surface in area of light rainfall is</p> <p>A1 1 in 25 :</p> <p>A2 1 in 33 :</p> <p>A3 1 in 40 :</p> <p>A4 1 in 50 – (Correct Alternative) :</p>	1. 0	0.2 5
Objective Question				
45	45	<p>In Marshal testing of bituminous mixes, as the bituminous content decreases the flow value</p> <p>A1 remain constant :</p> <p>A2 decreases first and then increases :</p> <p>A3 decreases monotonically – (Correct Alternative) :</p> <p>A4 increases first and decreases :</p>	1. 0	0.2 5
Objective Question				
46	46	<p>Bituminous concrete is a mix comprising of</p> <p>A1 fine aggregate, filler and bitumen :</p> <p>A2 fine aggregate and bitumen :</p>	1. 0	0.2 5

		<p>A3 : coarse aggregate, filler and bitumen</p> <p>A4 coarse aggregate, fine aggregate, filler and bitumen – (Correct Alternative)</p>		
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Objective Question

47	47	<p>The distance travelled by a moving vehicle during perception time and brake reaction time is known as</p> <p>A1 : sight distance</p> <p>A2 : stopping distance</p> <p>A3 lag distance – (Correct Alternative)</p> <p>A4 : braking distance</p>	1. 0	0.2 5
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Objective Question

48	48	<p>The important factor considered in the design of summit curves on highway is</p> <p>A1 : comfort to passengers</p> <p>A2 sight distance – (Correct Alternative)</p> <p>A3 : super elevation</p> <p>A4 : impact factor</p>	1. 0	0.2 5
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Objective Question

49	49	<p>In highway pavements emulsions are used mainly in</p> <p>A1 : surface dressing</p>	1. 0	0.2 5
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		<p>A2 : patching and maintenance – (Correct Alternative)</p> <p>A3 : bitumen macadam</p> <p>A4 : asphaltic concrete</p>		
Objective Question				
50	50	<p>The modulus of subgrade reaction is evaluated from</p> <p>A1 : plate bearing test – (Correct Alternative)</p> <p>A2 : CBR test</p> <p>A3 : direct shear test</p> <p>A4 : triaxial test</p>	1. 0	0.2 5
Objective Question				
51	51	<p>Principle involved in the relationship between submerged unit and saturated unit weight of a soil is based on</p> <p>A1 : equilibrium of floating bodies.</p> <p>A2 : Archimedes principle. – (Correct Alternative)</p> <p>A3 : Stoke's law</p> <p>A4 : Darcy;s law</p>	1. 0	0.2 5
Objective Question				
52	52	<p>The stress which controls the strength and deformation behaviour of soil is</p>	1. 0	0.2 5

		<p>A1 : total pressure</p> <p>A2 : pore pressure</p> <p>A3 : effective pressure – (Correct Alternative)</p> <p>A4 : None of these</p>		
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Objective Question

53	53	<p>The flow in a rectangular channel is sub-critical. If width of the channel is reduced at a certain section, the water surface under no-choke condition will</p> <p>A1 : drop at a downstream section. – (Correct Alternative)</p> <p>A2 : rise at a downstream section.</p> <p>A3 : rise at an upstream section.</p> <p>A4 : not under go any change.</p>	1. 0	0.2 5
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Objective Question

54	54	<p>Hardness of water is caused by the presence of which of the following in water?</p> <p>A1 : chlorides and sulphates</p> <p>A2 : calcium and magnesium – (Correct Alternative)</p> <p>A3 : nitrites and nitrates</p> <p>A4 : sodium and potassium</p>	1. 0	0.2 5
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Objective Question				
55	55	<p>During temperature inversion in atmosphere, air pollutants tend to</p> <p>A1 : accumulate above inversion layer</p> <p>A2 : accumulate below inversion layer – (Correct Alternative)</p> <p>A3 : disperse laterally</p> <p>A4 : disperse vertically</p>	1. 0	0.2 5
Objective Question				
56	56	<p>The main causes of water logging are</p> <p>A1 : surface run off</p> <p>A2 : steep ground profile</p> <p>A3 : excessive irrigation – (Correct Alternative)</p> <p>A4 : all of these</p>	1. 0	0.2 5
Objective Question				
57	57	<p>The permissible delay of completing an activity without affecting the start of succeeding activities is known as</p> <p>A1 : total float</p> <p>A2 : free float – (Correct Alternative)</p> <p>A3 : duration</p>	1. 0	0.2 5

		A4 : interfering float		
Objective Question				
58	58	<p>IS: 456-2000 recommends providing certain minimum steel in a RCC beam</p> <p>A1 : to ensure compression failure.</p> <p>A2 : to avoid rupture of steel in case of flexural failure occurs.</p> <p>A3 : to hold the stirrup steel in position.</p> <p>A4 : to provide enough ductility to the beam. – (Correct Alternative)</p>	1. 0	0.2 5
Objective Question				
59	59	<p>The ratio of the vertical deflection limit for a continuous and a simply supported beam (of length ≤ 10 m) is</p> <p>A1 1.1 :</p> <p>A2 1.3 – (Correct Alternative) :</p> <p>A3 1.6 :</p> <p>A4 1.8 :</p>	1. 0	0.2 5
Objective Question				
60	60	<p>A steel beam supporting loads from the floor slab as well as from wall is known as</p> <p>A1 stringer beam – (Correct Alternative) :</p> <p>A2 lintel beam</p>	1. 0	0.2 5

		: A3 : spandrel beam A4 : header beam		
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Objective Question

61	61	FERA stands for A1 : Foreign Exchange Regulation Act – (Correct Alternative) A2 : Foreign Exchange Restrictions Act A3 : Foreign Exchange Reserves Act A4 : None of these	1. 0	0.2 5
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Objective Question

62	62	Which is India's highest civilian honour? A1 : Ashoka Chakra A2 : Padma Bhushan A3 : Padma Sri A4 : One of the above – (Correct Alternative)	1. 0	0.2 5
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Objective Question

63	63	The ozone layer is part of the A1 : Troposphere	1. 0	0.2 5
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		A2 Stratosphere – (Correct Alternative) : A3 Ionosphere : A4 Mesosphere :		
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Objective Question

64	64	What is the currency of Indonesia? A1 Rupiah – (Correct Alternative) : A2 Dinar : A3 Riyal : A4 Rangit :	1. 0	0.2 5
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Objective Question

65	65	Israel's Rafale Defence Systems Ltd has formed a joint venture with _____ to produce anti-tank guided missiles for the Indian armed forces A1 Goa Shipyard : A2 Hindustan Aeronautics Limited : A3 Kalyani Group – (Correct Alternative) : A4 None of the above :	1. 0	0.2 5
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Objective Question

66	66	Method used for separation of water and alcohol is:	1. 0	0.2 5
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		A1 : Evaporation A2 : Filtration A3 Distillation – (Correct Alternative) : A4 : Decantation		
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Objective Question

67	67	The estimation of the age of the earth is done by: A1 Uranium dating – (Correct Alternative) : A2 : Carbon dating A3 : Atomic clock A4 : Bio clock	1. 0	0.2 5
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Objective Question

68	68	Which gas is used to disinfect the drinking water? A1 : Hydrogen A2 Chlorine – (Correct Alternative) : A3 : Fluorine A4 : Oxygen	1. 0	0.2 5
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Objective Question

69	69	<p>The 'Concept of Inertia' was developed by:</p> <p>A1 Galileo – (Correct Alternative)</p> <p>A2 Newton</p> <p>A3 Einstein</p> <p>A4 Archimedes</p>	1. 0	0.2 5
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Objective Question

70	70	<p>Maximum portion of the moon visible from the earth's surface is:</p> <p>A1 50%</p> <p>A2 59% – (Correct Alternative)</p> <p>A3 41%</p> <p>A4 47%</p>	1. 0	0.2 5
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Objective Question

71	71	<p>To deprive someone of voting rights is</p> <p>A1 Disfranchise</p> <p>A2 Disenfranchise – (Correct Alternative)</p> <p>A3 Unfranchise</p> <p>A4 franchise</p>	1. 0	0.2 5
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Objective Question				
72	72	<p>Where you are today, _____What counts is where you are going.</p> <p>A1 : Do not count</p> <p>A2 : Doesn't count – (Correct Alternative)</p> <p>A3 : Not count</p> <p>A4 : Isn't count</p>	1. 0	0.2 5
Objective Question				
73	73	<p>The Prime Minister wants to call an all-party meeting to break the stalemate_____ this issue and_____ a consensus.</p> <p>A1 : on, win</p> <p>A2 : at, develop</p> <p>A3 : of, capture</p> <p>A4 : on, reach – (Correct Alternative)</p>	1. 0	0.2 5
Objective Question				
74	74	<p>It was a great_____ to_____ the high-level meeting between America and India.</p> <p>A1 : favour, part</p> <p>A2 : time, participate</p> <p>A3 : honour, witness – (Correct Alternative)</p>	1. 0	0.2 5

		A4 : period, watch		
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Objective Question

75	75	Internet has _____ revolutionised the world of _____ and knowledge. A1 : become, media A2 : really, college A3 : probably, application A4 : indeed, information – (Correct Alternative)	1. 0	0.2 5
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Objective Question

76	76	The antonym of Discrepancy A1 : inconsistency A2 : consistency – (Correct Alternative) A3 : inappropriate A4 : variance	1. 0	0.2 5
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Objective Question

77	77	The antonym of Dismal is A1 : remarkable – (Correct Alternative) A2 : trivial	1. 0	0.2 5
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		A3 reserved : A4 puzzled :		
Objective Question				
78	78	They finally saw _____ on the business deal. A1 face to face : A2 eye to eye – (Correct Alternative) : A3 eye and eye : A4 hand on hand :	1. 0	0.2 5
Objective Question				
79	79	By working part-time and looking after her kids two days a week she managed to _____ A1 get the pie : A2 take the pie : A3 have the cake and eat it too : A4 get the best of both worlds – (Correct Alternative) :	1. 0	0.2 5
Objective Question				
80	80	Tick the word closest in meaning to the word in italics- a <i>baffling</i> problem: A1 difficult :	1. 0	0.2 5

		A2 simple : A3 puzzling – (Correct Alternative) : A4 long :		
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Objective Question

81	81	Which of the below pair has the same relationship for Revolution: Change? A1 Disease : Medicine : A2 Treaty : Peace – (Correct Alternative) : A3 Food : Energy : A4 Famous : Notorious :	1. 0	0.2 5
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Objective Question

82	82	If in a certain language MYSTIFY is coded as NZTUJGZ, how is NEMISES coded in that code? A1 MDLHRDR : A2 OFNJTFT – (Correct Alternative) : A3 ODNHTDR : A4 PGOKUGU :	1. 0	0.2 5
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Objective Question

83	83	If Chi Kai Shi means Earth is round; Chu Chin Chi means Banana is	1. 0	0.2 5
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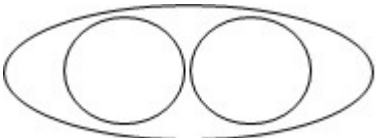
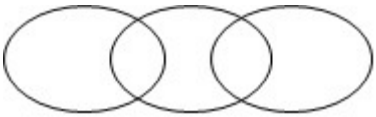
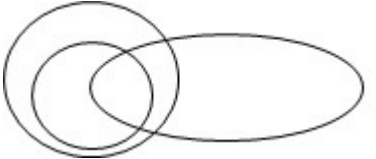
		<p>sweet; Kul shak Kai means Balls are round, then which letter code stands for Earth?</p> <p>A1 Chi :</p> <p>A2 Shi – (Correct Alternative) :</p> <p>A3 Kai :</p> <p>A4 Chu :</p>		
Objective Question				
84	84	<p>A+B means A is the son of B; A–B means A is the wife of B; AXB means A is the brother of B; A/B means A is the mother of B; and A=B means A is the sister of B? What does P+R–Q mean?</p> <p>A1 Q is the father of P – (Correct Alternative) :</p> <p>A2 Q is the son of P :</p> <p>A3 Q is the uncle of P :</p> <p>A4 Q is the brother of P :</p>	1. 0	0.2 5
Objective Question				
85	85	<p>Six persons A, B, C, D, E and F are sitting in two rows, three in each. E is not at the end of any row. D is the second to the left of F. C, the neighbor of E, is sitting diagonally opposite to D. B is the neighbor of F. Which of the following are sitting diagonally opposite to each other?</p> <p>A1 F and C :</p> <p>A2 D and A :</p>	1. 0	0.2 5

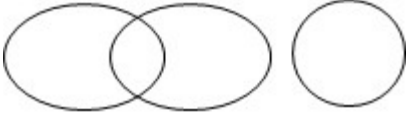
		<p>A3 : A and C</p> <p>A4 : A and F – (Correct Alternative)</p>		
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Objective Question

86	86	<p>Abhinav walked 2 km west of his house and then turned south covering 4 km. Finally, he moved 3 km towards east and then again 1 km west. How far is he from his initial position?</p> <p>A1 : 2 km</p> <p>A2 : 4 km – (Correct Alternative)</p> <p>A3 : 9 km</p> <p>A4 : 10 km</p>	1. 0	0.2 5
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Objective Question

87	87	<p>Which of the following diagrams correctly represents elephants, wolves, and animals?</p> <p>A1 :  – (Correct Alternative)</p> <p>A2 : </p> <p>A3 : </p>	1. 0	0.2 5
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		A4 : 		
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Objective Question

88	88	<p>If by arranging the letters of the word NABMODINT, the name of a game is formed, what are the first and last letter of the word so formed.</p> <p>A1 : B, T</p> <p>A2 : M, T</p> <p>A3 : B, N – (Correct Alternative)</p> <p>A4 : M, N</p>	1. 0	0.2 5
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Objective Question

89	89	<p>If + means /, - means x, / means +, and x means -, then $36x12+4/6+2-3 =$ _____.</p> <p>A1 : 2</p> <p>A2 : 18</p> <p>A3 : 42 – (Correct Alternative)</p> <p>A4 : 12</p>	1. 0	0.2 5
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Objective Question

90	90	<p>Considering α means greater than, if $3A \alpha B$ and $3B \alpha 2C$, then</p> <p>A1 : $2A \alpha C$</p> <p>A2 $4A \alpha B$</p>	1. 0	0.2 5
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		<p>:</p> <p>A3 : 4A α C – (Correct Alternative)</p> <p>A4 : 2A α B</p>		
Objective Question				
91	91	<p>Choose the group of letters which is different from others in the group of BCD, KMN, QRS, GHI, and WXY</p> <p>A1 : KMN – (Correct Alternative)</p> <p>A2 : GHI</p> <p>A3 : WXY</p> <p>A4 : BCD</p>	1. 0	0.2 5
Objective Question				
92	92	<p>The unit's digit in the product $(3127)^{173}$ is_____.</p> <p>A1 : 1</p> <p>A2 : 3</p> <p>A3 : 7 – (Correct Alternative)</p> <p>A4 : 9</p>	1. 0	0.2 5
Objective Question				
93	93	<p>5b2 is a three-digit number with b as a missing digit. If the number is divisible by 6, the missing digit is_____.</p>	1. 0	0.2 5

		<p>A1 2 – (Correct Alternative)</p> <p>:</p> <p>A2 3</p> <p>:</p> <p>A3 6</p> <p>:</p> <p>A4 7</p> <p>:</p>		
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Objective Question

94	94	<p>How many of the following numbers are divisible by 132? 264, 396, 462, 792, 968, 2178, 5184, 6336</p> <p>A1 4 – (Correct Alternative)</p> <p>:</p> <p>A2 5</p> <p>:</p> <p>A3 6</p> <p>:</p> <p>A4 7</p> <p>:</p>	1. 0	0.2 5
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Objective Question

95	95	<p>The sum of three consecutive odd numbers is always divisible by_____.</p> <p>I. 2 II. 3 III. 5 IV. 6</p> <p>A1 Only I</p> <p>:</p> <p>A2 Only II – (Correct Alternative)</p> <p>:</p> <p>A3 Only I and II</p> <p>:</p> <p>A4 Only II and IV</p> <p>:</p>	1. 0	0.2 5
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Objective Question				
96	96	<p>The least number which must be subtracted from 6709 to make it exactly divisible by 9 is_____.</p> <p>A1 2 :</p> <p>A2 3 :</p> <p>A3 4 – (Correct Alternative) :</p> <p>A4 5 :</p>	1. 0	0.2 5
Objective Question				
97	97	<p>When a number is divided by 31, the remainder is 29. When the same number is divided by 16, what will be the remainder?</p> <p>A1 11 :</p> <p>A2 13 :</p> <p>A3 15 :</p> <p>A4 Data inadequate – (Correct Alternative) :</p>	1. 0	0.2 5
Objective Question				
98	98	<p>The average of first 10 even numbers is _____.</p> <p>A1 18 :</p> <p>A2 22 :</p> <p>A3 9 :</p>	1. 0	0.2 5

		A4 11 – (Correct Alternative) :		
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Objective Question

99	99	A man can row his boat with the stream at 6 km/h and against the stream in 4 km/h. The man's rate is_____ km/h A1 1 – (Correct Alternative) : A2 5 : A3 8 : A4 3 :	1.0	0.25
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Objective Question

100	100	If Rs.7500 are borrowed at Compound Interest at the rate of 4% per annum, then after 2 years the amount to be paid is_____. A1 8112 – (Correct Alternative) : A2 8100 : A3 7900 : A4 8000 :	1.0	0.25
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Objective Question

101	101	If the cost of M meters of wire is R rupees, then what would be the cost of N meters of same wire at the same rate? A1 (R/M).N – (Correct Alternative) : A2 (R/MN)	1.0	0.25
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		: A3 (M/N).R :		
		A4 (RM/N) :		

Objective Question

102	102	<p>A seller gives a discount of 4% on a product with MRP marked INR 1500. He earned a profit of 20% over its cost price in this transaction. Cost price of the product is</p> <p>A1 1200 – (Correct Alternative) :</p> <p>A2 1500 :</p> <p>A3 1600 :</p> <p>A4 1000 :</p>	1. 0	0.2 5
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Objective Question

103	103	<p>If the sides of a rectangle are increased by 30%, what will be the percentage increase in the area of the rectangle?</p> <p>A1 44% :</p> <p>A2 40% :</p> <p>A3 64% :</p> <p>A4 69% – (Correct Alternative) :</p>	1. 0	0.2 5
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Objective Question

104	104	If $A + B = 99$, and B is half of A, then the value of A and B is?	1. 0	0.2 5
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		A1 33, 66 : A2 66, 33 – (Correct Alternative) : A3 77, 22 : A4 22, 77 :		
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Objective Question

105	105	What will be the unit's digit in $(564)^{202} + (564)^{203}$ A1 4 : A2 6 : A3 0 – (Correct Alternative) : A4 2 :	1. 0	0.2 5
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Objective Question

106	106	Three varieties of tea called A, B and C respectively are mixed in the ratio of 2:1:3 to yield a mixture worth Rs 155 per kg. If the price of A is 120 per kg, and that of B is 150 per kg; what is the price of 2 kgs of C? A1 450 : A2 360 – (Correct Alternative) : A3 300 : A4 270 :	1. 0	0.2 5
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Objective Question				
107	107	<p>A sum of money grows to Rs 325 when it is invested at 5% per annum simple interest. If same amount of money is invested for 4% it grows to Rs 312. How long was the money invested for?</p> <p>A1 4 Years :</p> <p>A2 7 Years :</p> <p>A3 5 Years – (Correct Alternative) :</p> <p>A4 10 Years :</p>	1.0	0.25
Objective Question				
108	108	<p>A shopkeeper provides successive discounts of 20% and 10% on an article, yet he manages to earn a profit of 8%. The selling price of the article is Rs 1296. The difference between the cost price and marked price is</p> <p>A1 400 :</p> <p>A2 500 :</p> <p>A3 600 – (Correct Alternative) :</p> <p>A4 800 :</p>	1.0	0.25
Objective Question				
109	109	<p>Tap A can fill a tank in 9 hours and tap B can fill in 6 hours. Tap A is opened at 8:00 AM and tap B is opened at 11:00 AM. Time at which the tank would be filled is</p> <p>A1 1:00 PM :</p> <p>A2 1:24 PM – (Correct Alternative)</p>	1.0	0.25

		<p>:</p> <p>A3 1:20 PM</p> <p>:</p> <p>A4 1:30 PM</p> <p>:</p>		
Objective Question				
110	110	<p>The average score of section A, B and C of a class is 75, 76 and 80 respectively. The numbers of students in three sections are in ratio 1:2:3. Average scores of all the sections combined is?</p> <p>A1 77.57</p> <p>:</p> <p>A2 78.59</p> <p>:</p> <p>A3 76.93</p> <p>:</p> <p>A4 77.83 – (Correct Alternative)</p> <p>:</p>	1. 0	0.2 5
Objective Question				
111	111	<p>A doctor invents a kit to diagnose blood sugar levels. Such a kit is :</p> <p>A1 Patentable – (Correct Alternative)</p> <p>:</p> <p>A2 Copyrightable</p> <p>:</p> <p>A3 Non patentable</p> <p>:</p> <p>A4 Trade mark related</p> <p>:</p>	1. 0	0.2 5
Objective Question				
112	112	<p>Cinematographic films and sound recordings can be protected under:</p>	1. 0	0.2 5

		A1 : Design A2 : Trade Dress A3 Copyright – (Correct Alternative) : A4 : Patent		
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Objective Question

113	113	_____ is a registered geographical indication in India: A1 : Samosa A2 : Burfi A3 Tirupati laddu – (Correct Alternative) : A4 : Gulab Jamun	1. 0	0.2 5
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Objective Question

114	114	In India, how long does copyright last for literary works? A1 : 10 years after the creation of the work A2 : 50 years after the creation of the work A3 : 10 years after the death of the person who created that work A4 60 years after the death of the person who created that work – (Correct Alternative)	1. 0	0.2 5
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Objective Question

115	115	<p>A group of researchers have developed a new technology which is which is an improvement over the technology used in existing mobile phones available in the market. What type of intellectual property can they use to stop others from copying their invention?</p> <p>A1 : Copyright</p> <p>A2 : Geographical indications</p> <p>A3 : Patents – (Correct Alternative)</p> <p>A4 : Trademarks</p>	1. 0	0.2 5
Objective Question				
116	116	<p>WIPO stands for :</p> <p>A1 : World International Protection Office</p> <p>A2 : World Indian Protection Office</p> <p>A3 : World Intellectual Protection Office</p> <p>A4 World Intellectual Property Organisation – (Correct Alternative)</p>	1. 0	0.2 5
Objective Question				
117	117	<p>A patent gives the owner the right to:</p> <p>A1 : Collect a monetary award from the government</p> <p>A2 Prevent others from making, using or selling their invention – (Correct Alternative)</p> <p>A3 : Make the invention</p>	1. 0	0.2 5

		A4 : Market the product free of cost		
Objective Question				
118	118	<p>Which of the following will violate the IP rights of Late Shri Atal Bihari Vajpayee, a former Prime Minister.</p> <p>A1 Republishing a picture of him while reciting a poetry during kavi : Samelan</p> <p>A2 Rebroadcasting the speech he gave from Red Fort in 2000. :</p> <p>A3 Reprinting of his autobiography published by him in 2002. – : (Correct Alternative)</p> <p>A4 None of the above as he has passed away. :</p>	1. 0	0.2 5
Objective Question				
119	119	<p>What is the duration of copyright protection of a novel?</p> <p>A1 A novel will not gain copyright protection :</p> <p>A2 The day the author dies :</p> <p>A3 The end of the calender year in which the author died :</p> <p>A4 60 years from the end of the calender year in which the author : died – (Correct Alternative)</p>	1. 0	0.2 5
Objective Question				
120	120	<p>A provisional patent was applied for on 1 Jan 1999. The application was converted into final specification and filed on 1 July 1999. It was published 18 months later on Jan1, 2001 and granted on May 30, 2003. The patent is valid until what date?</p> <p>A1 May 29,2023 :</p>		

		<div>A2 : Dec. 31, 2019</div> <div>A3 : June 30,2019</div> <div>A4 : Dec. 31,2018 – (Correct Alternative)</div>	
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