

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	1	<p>For an SCR, $\frac{di}{dt}$ protection is achieved through the use of</p> <p>A1 : R in series with SCR.</p> <p>A2 : L in series with SCR. – (Correct Alternative)</p> <p>A3 : RL in series with SCR.</p> <p>A4 : RLC in series with SCR.</p>	1.0	0.25
Objective Question				
2	2	<p>Which of the following starting method results in the least starting torque per ampere of the line current?</p> <p>A1 : Direct on-line starting.</p> <p>A2 : Series inductor method of starting. – (Correct Alternative)</p> <p>A3 : Star – delta method of starting.</p> <p>A4 : Auto-transformer method of starting.</p>	1.0	0.25
Objective Question				
3	3	<p>The high frequency hum in a transformer is due to: -</p> <p>A1 : laminations being not sufficiently tight.</p> <p>A2 magnetostriction. – (Correct Alternative)</p>	1.0	0.25

		<p>:</p> <p>A3 level of oil in the transformer being low.</p> <p>:</p> <p>A4 none of the above.</p> <p>:</p>		
Objective Question				
4	4	<p>Short time rating of a motor is: -</p> <p>A1 the same as its continuous rating.</p> <p>:</p> <p>A2 independent of its continuous rating.</p> <p>:</p> <p>A3 less than its continuous rating.</p> <p>:</p> <p>A4 more than its continuous rating. – (Correct Alternative)</p> <p>:</p>	1. 0	0.2 5
Objective Question				
5	5	<p>An isolator is designed to open a power circuit under: -</p> <p>A1 no load. – (Correct Alternative)</p> <p>:</p> <p>A2 full load.</p> <p>:</p> <p>A3 half load.</p> <p>:</p> <p>A4 near full load.</p> <p>:</p>	1. 0	0.2 5
Objective Question				
6	6	<p>An industrial consumer has a daily load pattern of 2,000 kW, 0.8 <i>pf</i> lag for 12 hrs and 1,000 kW unity <i>pf</i> for 12 hrs. The load factor for this consumer is: -</p>	1. 0	0.2 5

		<p>A1 0.5 :</p> <p>A2 0.75 – (Correct Alternative) :</p> <p>A3 0.6 :</p> <p>A4 0.8 :</p>		
Objective Question				
7	7	<p>If the disc of an energy meter makes 10 revolution in 100 seconds, when a load of 450W is connected to it, the motor constant (in revolution per kWh) is: -</p> <p>A1 1600 :</p> <p>A2 1000 :</p> <p>A3 800 – (Correct Alternative) :</p> <p>A4 500 :</p>	1. 0	0.2 5
Objective Question				
8	8	<p>An ideal voltage source has</p> <p>A1 Zero internal resistance – (Correct Alternative) :</p> <p>A2 Open circuit voltage equal to voltage on full load :</p> <p>A3 Terminal voltage in proportion to current :</p> <p>A4 Terminal voltage in proportion to load :</p>	1. 0	0.2 5

Objective Question				
9	9	<p>An electrolytic capacitor can be used for</p> <p>A1 : D.C. only – (Correct Alternative)</p> <p>A2 : A.C. only</p> <p>A3 : A.C. as well as D.C. both</p> <p>A4 : None of the above</p>	1. 0	0.2 5

Objective Question				
10	10	<p>Indicate which of the following material does not retain magnetism permanently</p> <p>A1 : Soft iron – (Correct Alternative)</p> <p>A2 : Stainless steel</p> <p>A3 : Hardened steel</p> <p>A4 : None of the above</p>	1. 0	0.2 5

Objective Question				
11	11	<p>A parallel A.C. circuit in resonance will</p> <p>A1 Have a high voltage developed across each inductive and capacitive : section</p> <p>A2 : Have a high impedance – (Correct Alternative)</p> <p>A3 : Act like a resistor of low value</p> <p>A4 Have a current in each section equal to line current</p>	1. 0	0.2 5

		:		
Objective Question				
12	12	<p>When two D.C. generators are running in parallel an equalizer bar is used</p> <p>A1 To increase the series flux :</p> <p>A2 To increase the generated e.m.f. :</p> <p>A3 To reduce the combined effect of armature reaction of both the : machines</p> <p>A4 So that the identical machines will pass approximately equal : currents to the load – (Correct Alternative)</p>	1. 0	0.2 5
Objective Question				
13	13	<p>The secondary winding of which of the following transformers is always kept closed</p> <p>A1 Step-up transformer :</p> <p>A2 Step-down transformer :</p> <p>A3 Potential transformer :</p> <p>A4 Current transformer – (Correct Alternative) :</p>	1. 0	0.2 5
Objective Question				
14	14	<p>The good power factor of an induction motor can be achieved if the average flux density in the air gap is</p> <p>A1 Absent :</p> <p>A2 Small – (Correct Alternative) :</p>	1. 0	0.2 5

		A3 Large : A4 Infinity :		
Objective Question				
15	15	If a particular application needs high speed and high starting torque, then which of the following motor will be preferred A1 Universal motor – (Correct Alternative) : A2 Shaded pole type motor : A3 Capacitor start motor : A4 Capacitor start and run motor :	1.0	0.25
Objective Question				
16	16	High voltage transmission lines use A1 Suspension insulators – (Correct Alternative) : A2 Pin insulators : A3 Both (a) and (b) : A4 None of the above :	1.0	0.25
Objective Question				
17	17	The power transmitted will be maximum when A1 Corona losses are minimum :	1.0	0.25

		<p>A2 Reactance is high :</p> <p>A3 Sending end voltage is more – (Correct Alternative) :</p> <p>A4 Receiving end voltage is more :</p>		
--	--	--	--	--

Objective Question

18	18	<p>As a result of introduction of negative feedback which of the following will not decrease</p> <p>A1 Band width – (Correct Alternative) :</p> <p>A2 Overall gain :</p> <p>A3 Distortion :</p> <p>A4 Instability :</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

19	19	<p>Which of the following statements is correct for a system with gain margin close to unity or a phase margin close to zero</p> <p>A1 The system is relatively stable :</p> <p>A2 The system is highly stable :</p> <p>A3 The system is highly oscillatory – (Correct Alternative) :</p> <p>A4 None of the above :</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

20	20	For measuring current at high frequency we should use	1. 0	0.2 5
----	----	---	---------	----------

		<p>A1 : Moving iron instrument</p> <p>A2 : Electrostatic instrument</p> <p>A3 : Thermocouple instrument – (Correct Alternative)</p> <p>A4 : Any of the above</p>		
--	--	---	--	--

Objective Question

21	21	<p>Intrinsic impedance of free space is given by</p> <p>A1 : $Z_0 = \mu_0 \epsilon_0$</p> <p>A2 : $Z_0 = \sqrt{\frac{\mu_0}{\epsilon_0}}$ – (Correct Alternative)</p> <p>A3 : $Z_0 = \frac{\mu_0}{\epsilon_0}$</p> <p>A4 : $Z_0 = \sqrt{\mu_0 \epsilon_0}$</p>	1. 0	0.2 5
----	----	---	---------	----------

Objective Question

22	22	<p>A silicon PN junction at a temperature of 20° C has a reverse saturation current of 10 pico-Amp. C has a reverse saturation current of 10 pico-Amp. The reverse saturation current at 40 ° C for the same bias is approximately</p> <p>A1 : 30pA</p> <p>A2 : 40pA – (Correct Alternative)</p>	1. 0	0.2 5
----	----	---	---------	----------

		<p>A3 50pA :</p> <p>A4 60pA :</p>		
Objective Question				
23	23	<p>The DC current gain (β) of a BJT is 50. Assuming that the emitter injection efficiency is 0.995, the base transport factor is</p> <p>A1 0.980 :</p> <p>A2 0.985 :</p> <p>A3 0.990 – (Correct Alternative) :</p> <p>A4 0.995 :</p>	1.0	0.25
Objective Question				
24	24	<p>Voltage series feedback (also called series-shunt feedback) result in</p> <p>A1 Increase in both input and output impedance :</p> <p>A2 Decrease in both input and output impedance :</p> <p>A3 increase in input impedance and decrease in output impedance – (Correct Alternative) :</p> <p>A4 Decrease in input impedance and decrease in output impedance :</p>	1.0	0.25
Objective Question				
25	25	<p>Which of the following is an inverter</p> <p>A1 Common base amplifier :</p>	1.0	0.25

		<p>A2 : Common collector amplifier</p> <p>A3 : Common emitter amplifier – (Correct Alternative)</p> <p>A4 : All of the above</p>		
--	--	---	--	--

Objective Question

26	26	<p>In an air line, adjacent maxima are found at 12.5 cm and 37.5 cm. The operating frequency is</p> <p>A1 : 1.5 GHz</p> <p>A2 : 600MHz – (Correct Alternative)</p> <p>A3 : 300MHz</p> <p>A4 : 1.2 GHz</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

27	27	<p>A lossless transmission line is terminated in a load which reflects a part of the incident power. The measured VSWR is 2. The percentage of the power that is reflected back is</p> <p>A1 : 57.73</p> <p>A2 : 33.33</p> <p>A3 : 0.11</p> <p>A4 : 11.11 – (Correct Alternative)</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

28	28	<p>An FM signal with modulation index m_f is passed through a frequency Tripler. The modulation index of the output signal will be</p> <p>A1 m_f :</p> <p>A2 $3 m_f$ – (Correct Alternative) :</p> <p>A3 $9 m_f$:</p> <p>A4 $27 m_f$:</p>	1. 0	0.2 5
----	----	---	---------	----------

Objective Question

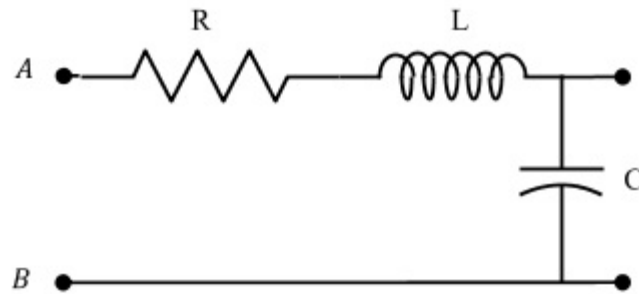
29	29	<p>The radio altimeter on board an aircraft is basically a</p> <p>A1 Doppler radar :</p> <p>A2 MTI radar :</p> <p>A3 Continuous wave radar :</p> <p>A4 Frequency modulated CW radar – (Correct Alternative) :</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

30	30	<p>A zero- mean white Gaussian noise is passed through an ideal lowpass filter of bandwidth 10 KHz. The output is the uniformly sampled with sampling period $t_s = 0.03$ msec. The samples so obtained would be</p> <p>A1 Correlated :</p> <p>A2 Statistically independent – (Correct Alternative) :</p> <p>A3 Uncorrelated :</p>	1. 0	0.2 5
----	----	--	---------	----------

		A4 Orthogonal :		
Objective Question				
31	31	<p>In a PCM system, if the code word length is increase from 6 to 8 bits, the signal to quantization noise ratio improves by the factor</p> <p>A1 8/ :</p> <p>A2 12 :</p> <p>A3 16 – (Correct Alternative) :</p> <p>A4 8 :</p>	1. 0	0.2 5
Objective Question				
32	32	<p>Two inductors of value 1 H and 4 H respectively are mutually coupled and the mutual inductance is 2 H. If these inductors are coupled in parallel with positive coupling, what is the equivalent inductance?</p> <p>A1 1 H :</p> <p>A2 37H :</p> <p>A3 2H – (Correct Alternative) :</p> <p>A4 0.1H :</p>	1. 0	0.2 5
Objective Question				
33	33		1. 0	0.2 5

An RLC circuit is shown in the figure below:



The impedance at the terminal A-B is

A1
: $R + j\omega L - j\frac{1}{\omega C}$ – (Correct Alternative)

A2
: $R + j\omega L + j\frac{1}{\omega C}$

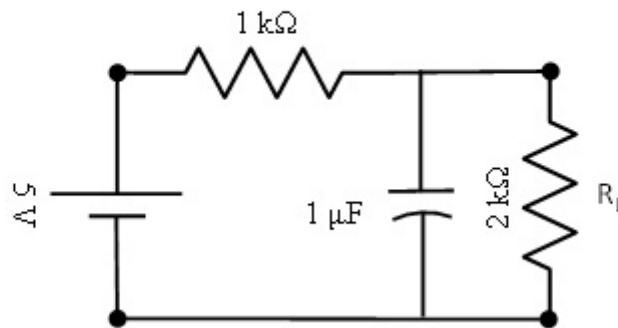
A3
: $R + \omega L - \frac{1}{\omega C}$

A4
: $R + \omega L + \frac{1}{\omega C}$

Objective Question

34 34

The power that will be dissipated in the load resistance R_L (refer to the circuit below) is



1. 0.2
0 5

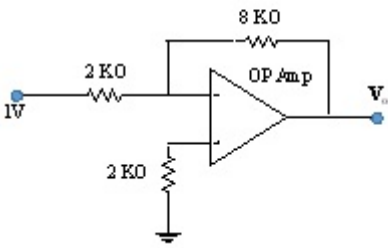
		<p>A1 2.55 mW :</p> <p>A2 5.55 mW – (Correct Alternative) :</p> <p>A3 7.55 mW :</p> <p>A4 9.55 mW :</p>		
--	--	---	--	--

Objective Question

35	35	<p>If a capacitance of $4\mu\text{F}$, the energy stored in the capacitance is is connected to a voltage source of 2 V, the energy stored in the capacitance is</p> <p>A1 $2\mu\text{J}$:</p> <p>A2 $4\mu\text{J}$:</p> <p>A3 $8\mu\text{J}$ – (Correct Alternative) :</p> <p>A4 $16\mu\text{J}$:</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

36	36	<p>Transfer function of a linear and time-invariant system is the</p> <p>A1 ratio of the output and the input :</p> <p>A2 ratio of the derivatives of the output and the input :</p> <p>A3 ratio of the Laplace transform of the output and the input with all conditions zeros – (Correct Alternative) :</p> <p>A4 none of these :</p>	1. 0	0.2 5
----	----	---	---------	----------

Objective Question				
37	37	<p>An optical fiber is of length 100 km and has an attenuation of 0.2 dB/Km. If the power launched at the input of the optical fiber is 0 dBm, the power at the output of the optical fiber is</p> <p>A1 $1\mu\text{W}$:</p> <p>A2 $10\mu\text{W}$ – (Correct Alternative) :</p> <p>A3 $100\mu\text{W}$:</p> <p>A4 $1000\mu\text{W}$:</p>	1.0	0.25
Objective Question				
38	38	<p>The Boolean function $(xy)(x'+y)$ can be simplified to</p> <p>A1 x :</p> <p>A2 y :</p> <p>A3 xy – (Correct Alternative) :</p> <p>A4 $x'y$:</p>	1.0	0.25
Objective Question				
39	39	<p>The output V_0 in the given circuit is</p> 	1.0	0.25

		<p>A1 4 V :</p> <p>A2 – 4 V – (Correct Alternative) :</p> <p>A3 1V :</p> <p>A4 -1 :</p>		
Objective Question				
40	40	<p>The dead time of an instrument refers to</p> <p>A1 : large change of input quantity for which there is no input</p> <p>A2 the time encountered when the instrument has to wait for some : reactions to take place</p> <p>A3 the time before the instruments begins to respond after the : quantity has altered – (Correct Alternative)</p> <p>A4 retardation or delay in the response of an instrument to a change in : the input signal</p>	1. 0	0.2 5
Objective Question				
41	41	<p>Gear tooth vernier is used to measure</p> <p>A1 : gear tooth profile</p> <p>A2 gear tooth thickness – (Correct Alternative) :</p> <p>A3 : pitch line thickness of the gear tooth</p> <p>A4 : module</p>	1. 0	0.2 5
Objective Question				

42	42	<p>For a strain gauge, high gauge factor results in</p> <p>A1 : zero drift</p> <p>A2 : linear response</p> <p>A3 : high sensitivity – (Correct Alternative)</p> <p>A4 : all of the above</p>	1. 0	0.2 5
----	----	---	---------	----------

Objective Question

43	43	<p>Electronic level instrument is a replacement for</p> <p>A1 : vernier depth gauge</p> <p>A2 : microscope</p> <p>A3 : auto-collimator</p> <p>A4 : spirit level – (Correct Alternative)</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

44	44	<p>Clinometer is used to measure</p> <p>A1 : angles – (Correct Alternative)</p> <p>A2 : flatness</p> <p>A3 : temperature</p> <p>A4 : none of the above</p>	1. 0	0.2 5
----	----	---	---------	----------

Objective Question				
45	45	<p>In which of the following unit is high vacuum pressure most commonly expressed</p> <p>A1 : micron</p> <p>A2 : torr – (Correct Alternative)</p> <p>A3 : pascal</p> <p>A4 : none of the above</p>	1. 0	0.2 5
Objective Question				
46	46	<p>Hysteresis of an instrument means:</p> <p>A1 The change in the same reading when input is first increased and then decreased – (Correct Alternative)</p> <p>A2 : The reliability of the instrument.</p> <p>A3 : The repeatability of the instrument.</p> <p>A4 : The inaccuracy due to change in temperature.</p>	1. 0	0.2 5
Objective Question				
47	47	<p>The error which is repetitive in nature is</p> <p>A1 : Observational (Personal) error</p> <p>A2 : Environmental error</p> <p>A3 : Random error</p> <p>A4 Systematic error – (Correct Alternative)</p>	1. 0	0.2 5

		:		
--	--	---	--	--

Objective Question

48	48	<p>'If a voltmeter is connected, like an ammeter in series to the load:</p> <p>A1 : The meter will burn</p> <p>A2 : Almost no current will flow in the circuit – (Correct Alternative)</p> <p>A3 : The measurement reading will be too high</p> <p>A4 : An instantaneously high current will flow</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

49	49	<p>Megger is an instrument used for the measurement of:</p> <p>A1 : Low resistance</p> <p>A2 : Medium resistance</p> <p>A3 : Leakage current</p> <p>A4 : High resistance and insulation resistance – (Correct Alternative)</p>	1. 0	0.2 5
----	----	---	---------	----------

Objective Question

50	50	<p>Decibel is a unit of</p> <p>A1 : Sound Pressure level only</p> <p>A2 : Any quantity in which the ratio of two numbers is 2.0</p> <p>A3 : Any quantity which is represented by the natural logarithm of the measured quantity with respect to the reference quantity.</p>	1. 0	0.2 5
----	----	---	---------	----------

		A4 Any quantity which is represented as 10 times the logarithm of : the measured quantity with respect to the reference signal. – (Correct Alternative)		
Objective Question				
51	51	<p>Audio Frequency range lies</p> <p>A1 : Between 20,000 and 30,000 Hz</p> <p>A2 : Between 16 and 20,000 Hz – (Correct Alternative)</p> <p>A3 : Above 40,000 HZ</p> <p>A4 : Between 30,000 and 40,000 Hz</p>	1. 0	0.2 5
Objective Question				
52	52	<p>The pH value of a solution having a hydrogen ion concentration of $2.3 \times 10^{-11} \text{g/l}$ is</p> <p>A1 : Acidic in nature</p> <p>A2 : Alkaline in nature – (Correct Alternative)</p> <p>A3 : Neutral solution</p> <p>A4 : None of the above</p>	1. 0	0.2 5
Objective Question				
53	53	<p>What device is similar to RTD, but has a negative Temperature coefficient?</p> <p>A1 : Conductor</p> <p>A2 Thermistor – (Correct Alternative)</p>	1. 0	0.2 5

		<p>:</p> <p>A3 Reverted RTD</p> <p>:</p> <p>A4 Semi conductor</p> <p>:</p>		
--	--	--	--	--

Objective Question

54	54	<p>What is the moving part of a Linear Variable Differential Transformer</p> <p>A1 Primary coil</p> <p>:</p> <p>A2 Secondary coil</p> <p>:</p> <p>A3 Diaphragm</p> <p>:</p> <p>A4 Core – (Correct Alternative)</p> <p>:</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

55	55	<p>Lithotomy refers to –</p> <p>A1 removal of kidney stone – (Correct Alternative)</p> <p>:</p> <p>A2 eye surgery</p> <p>:</p> <p>A3 Neurosurgery</p> <p>:</p> <p>A4 None of the above</p> <p>:</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

56	56	<p>Alpha waves in Electroencephalogram has frequency range of –</p> <p>A1 <8 Hz</p> <p>:</p>	1. 0	0.2 5
----	----	---	---------	----------

		<p>A2 8-13 Hz – (Correct Alternative) :</p> <p>A3 30-100 Hz :</p> <p>A4 above 100 Hz :</p>		
Objective Question				
57	57	<p>Mean pressure at right atrium is –</p> <p>A1 80-120 mm Hg :</p> <p>A2 60-70 mm Hg :</p> <p>A3 90-150 mm Hg :</p> <p>A4 2 -6 mm Hg – (Correct Alternative) :</p>	1. 0	0.2 5
Objective Question				
58	58	<p>According to Nyquist Theorem, the minimum sampling frequency required for a biosignal of frequency range dc – 500 Hz is –</p> <p>A1 0 Hz :</p> <p>A2 250 Hz :</p> <p>A3 500 Hz :</p> <p>A4 1000 Hz – (Correct Alternative) :</p>	1. 0	0.2 5
Objective Question				
59	59	<p>Why does bone appear white in X-Ray?</p>	1. 0	0.2 5

		<p>A1 : X-rays excite the atoms in bone so that they glow white</p> <p>A2 : X-rays cause a chemical reaction in bone that makes it glow white</p> <p>A3 : X-rays are reflected off bone</p> <p>A4 : X-rays are absorbed by bone – (Correct Alternative)</p>		
--	--	--	--	--

Objective Question

60	60	<p>The Boolean function $Y = AB + CD$ is to be realized using only 2-input NAND gates. The minimum number of gates required is</p> <p>A1 : 2</p> <p>A2 : 3 – (Correct Alternative)</p> <p>A3 : 4</p> <p>A4 : 5</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

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

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
----	----	---	---------	----------

Objective Question

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

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
----	----	---	---------	----------

Objective Question				
65	65	<p>Israel's Rafale Defence Systems Ltd has formed a joint venture with _____ to produce anti-tank guided missiles for the Indian armed forces</p> <p>A1 : Goa Shipyard</p> <p>A2 : Hindustan Aeronautics Limited</p> <p>A3 : Kalyani Group – (Correct Alternative)</p> <p>A4 : None of the above</p>	1.0	0.25
Objective Question				
66	66	<p>Method used for separation of water and alcohol is:</p> <p>A1 : Evaporation</p> <p>A2 : Filtration</p> <p>A3 : Distillation – (Correct Alternative)</p> <p>A4 : Decantation</p>	1.0	0.25
Objective Question				
67	67	<p>The estimation of the age of the earth is done by:</p> <p>A1 : Uranium dating – (Correct Alternative)</p> <p>A2 : Carbon dating</p> <p>A3 : Atomic clock</p>	1.0	0.25

		A4 Bio clock :		
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
Objective Question				
69	69	The ‘Concept of Inertia’ was developed by: A1 Galileo – (Correct Alternative) : A2 Newton : A3 Einstein : A4 Archimedes :	1. 0	0.2 5
Objective Question				
70	70	Maximum portion of the moon visible from the earth’s surface is: A1 50% : A2 59% – (Correct Alternative) : A3 41%	1. 0	0.2 5

		: A4 47% :		
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
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>	1. 0	0.2 5

		: A3 of, capture :		
		A4 on, reach – (Correct Alternative) :		

Objective Question

74	74	It was a great _____ to _____ the high-level meeting between America and India. A1 : favour, part A2 : time, participate A3 : honour, witness – (Correct Alternative) A4 : period, watch	1. 0	0.2 5
----	----	--	---------	----------

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
----	----	---	---------	----------

Objective Question

76	76	The antonym of Discrepancy	1. 0	0.2 5
----	----	----------------------------	---------	----------

		A1 inconsistency : A2 consistency – (Correct Alternative) : A3 inappropriate : A4 variance :		
--	--	---	--	--

Objective Question

77	77	The antonym of Dismal is A1 remarkable – (Correct Alternative) : A2 trivial : A3 reserved : A4 puzzled :	1. 0	0.2 5
----	----	--	---------	----------

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	<p>By working part-time and looking after her kids two days a week she managed to _____</p> <p>A1 : get the pie</p> <p>A2 : take the pie</p> <p>A3 : have the cake and eat it too</p> <p>A4 : get the best of both worlds – (Correct Alternative)</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

80	80	<p>Tick the word closest in meaning to the word in italics- a <i>baffling</i> problem:</p> <p>A1 : difficult</p> <p>A2 : simple</p> <p>A3 : puzzling – (Correct Alternative)</p> <p>A4 : long</p>	1. 0	0.2 5
----	----	--	---------	----------

Objective Question

81	81	<p>Which of the below pair has the same relationship for Revolution: Change?</p> <p>A1 : Disease : Medicine</p> <p>A2 : Treaty : Peace – (Correct Alternative)</p> <p>A3 : Food : Energy</p>	1. 0	0.2 5
----	----	---	---------	----------

		A4 Famous : Notorious :		
Objective Question				
82	82	<p>If in a certain language MYSTIFY is coded as NZTUJGZ, how is NEMISES coded in that code?</p> <p>A1 MDLHRDR :</p> <p>A2 OFNJTFT – (Correct Alternative) :</p> <p>A3 ODNHTDR :</p> <p>A4 PGOKUGU :</p>	1. 0	0.2 5
Objective Question				
83	83	<p>If Chi Kai Shi means Earth is round; Chu Chin Chi means Banana is sweet; Kulshak 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>	1. 0	0.2 5
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>	1. 0	0.2 5

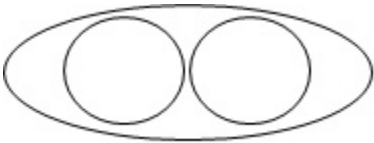
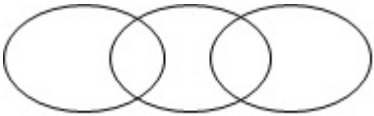
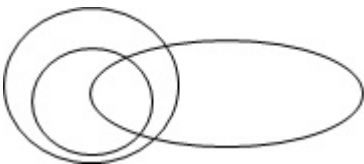

		<p>A2 Q is the son of P :</p> <p>A3 Q is the uncle of P :</p> <p>A4 Q is the brother of P :</p>		
--	--	---	--	--

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> <p>A3 A and C :</p> <p>A4 A and F – (Correct Alternative) :</p>	1. 0	0.2 5
----	----	--	---------	----------

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
----	----	--	---------	----------

Objective Question				
87	87	<p>Which of the following diagrams correctly represents elephants, wolves, and animals?</p> <p>A1 :</p>  <p>– (Correct Alternative)</p> <p>A2 :</p>  <p>A3 :</p>  <p>A4 :</p> 	1. 0	0.2 5
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
Objective Question				
89	89	<p>If + means /, - means x, / means +, and x means -, then $36x12+4/6+2-3 =$ _____.</p> <p>A1 2</p>	1. 0	0.2 5

		: A2 18 : A3 42 – (Correct Alternative) : A4 12 :		
--	--	---	--	--

Objective Question

90	90	Considering α means greater than, if $3A \alpha B$ and $3B \alpha 2C$, then A1 $2A \alpha C$: A2 $4A \alpha B$: A3 $4A \alpha C$ – (Correct Alternative) : A4 $2A \alpha B$:	1. 0	0.2 5
----	----	---	---------	----------

Objective Question

91	91	Choose the group of letters which is different from others in the group of BCD, KMN, QRS, GHI, and WXY A1 KMN – (Correct Alternative) : A2 GHI : A3 WXY : A4 BCD :	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> <p>A1 2 – (Correct Alternative) :</p> <p>A2 3 :</p> <p>A3 6 :</p> <p>A4 7 :</p>	1. 0	0.2 5
----	----	---	---------	----------

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>A2 5 :</p> <p>A3 6 :</p> <p>A4 7</p>	1. 0	0.2 5
----	----	---	---------	----------

		:		
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>A2 : Only II – (Correct Alternative)</p> <p>A3 : Only I and II</p> <p>A4 : Only II and IV</p>	1. 0	0.2 5
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>	1. 0	0.2 5

		: A3 15 : A4 Data inadequate – (Correct Alternative) :		
--	--	--	--	--

Objective Question

98	98	The average of first 10 even numbers is _____. A1 18 : A2 22 : A3 9 : A4 11 – (Correct Alternative) :	1. 0	0.2 5
----	----	---	---------	----------

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	0.2 5
----	----	---	---------	----------

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 _____.	1. 0	0.2 5
-----	-----	--	---------	----------

		<p>A1 8112 – (Correct Alternative)</p> <p>:</p> <p>A2 8100</p> <p>:</p> <p>A3 7900</p> <p>:</p> <p>A4 8000</p> <p>:</p>		
--	--	--	--	--

Objective Question

10 1	101	<p>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?</p> <p>A1 $(R/M).N$ – (Correct Alternative)</p> <p>:</p> <p>A2 (R/MN)</p> <p>:</p> <p>A3 $(M/N).R$</p> <p>:</p> <p>A4 (RM/N)</p> <p>:</p>	1. 0	0.2 5
---------	-----	---	---------	----------

Objective Question

10 2	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>:</p> <p>A2 1500</p> <p>:</p> <p>A3 1600</p> <p>:</p> <p>A4 1000</p> <p>:</p>	1. 0	0.2 5
---------	-----	--	---------	----------

Objective Question				
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	0.25
Objective Question				
104		<p>If $A + B = 99$, and B is half of A, then the value of A and B is?</p> <p>A1 33, 66 :</p> <p>A2 66, 33 – (Correct Alternative) :</p> <p>A3 77, 22 :</p> <p>A4 22, 77 :</p>	1.0	0.25
Objective Question				
105		<p>What will be the unit's digit in $(564)^{202} + (564)^{203}$</p> <p>A1 4 :</p> <p>A2 6 :</p> <p>A3 0 – (Correct Alternative) :</p>	1.0	0.25

		A4 2 :		
Objective Question				
106	106	<p>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?</p> <p>A1 450 :</p> <p>A2 360 – (Correct Alternative) :</p> <p>A3 300 :</p> <p>A4 270 :</p>	1.0	0.25
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>	1.0	0.25

		: A2 500 : A3 600 – (Correct Alternative) : A4 800 :		
--	--	--	--	--

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> <p>A3 1:20 PM :</p> <p>A4 1:30 PM :</p>	1.0	0.25
-----	-----	--	-----	------

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>A2 78.59 :</p> <p>A3 76.93 :</p> <p>A4 77.83 – (Correct Alternative) :</p>	1.0	0.25
-----	-----	--	-----	------

Objective Question				
11 1	111	<p>A doctor invents a kit to diagnose blood sugar levels. Such a kit is :</p> <p>A1 : Patentable – (Correct Alternative)</p> <p>A2 : Copyrightable</p> <p>A3 : Non patentable</p> <p>A4 : Trade mark related</p>	1. 0	0.2 5
Objective Question				
11 2	112	<p>Cinematographic films and sound recordings can be protected under:</p> <p>A1 : Design</p> <p>A2 : Trade Dress</p> <p>A3 : Copyright – (Correct Alternative)</p> <p>A4 : Patent</p>	1. 0	0.2 5
Objective Question				
11 3	113	<p>_____ is a registered geographical indication in India:</p> <p>A1 : Samosa</p> <p>A2 : Burfi</p> <p>A3 : Tirupatiladdu – (Correct Alternative)</p>	1. 0	0.2 5

		A4 GulabJamun :		
Objective Question				
114	114	<p>In India, how long does copyright last for literary works?</p> <p>A1 : 10 years after the creation of the work</p> <p>A2 : 50 years after the creation of the work</p> <p>A3 : 10 years after the death of the person who created that work</p> <p>A4 60 years after the death of the person who created that work – : (Correct Alternative)</p>	1.0	0.25
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	0.25
Objective Question				
116	116	<p>WIPO stands for :</p> <p>A1 : World International Protection Office</p> <p>A2 World Indian Protection Office</p>	1.0	0.25

		<p>:</p> <p>A3 World Intellectual Protection Office</p> <p>:</p> <p>A4 World Intellectual Property Organisation – (Correct Alternative)</p>		
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>:</p> <p>A2 Prevent others from making, using or selling their invention – (Correct Alternative)</p> <p>A3 Make the invention</p> <p>:</p> <p>A4 Market the product free of cost</p>	1.0	0.25
Objective Question				
118	118	<p>Which of the following will violate the IP rights of Late ShriAtalBihari Vajpayee, a former Prime Minister.</p> <p>A1 Republishing a picture of him while reciting a poetry during kaviSamelan</p> <p>A2 Rebroadcasting the speech he gave from Red Fort in 2000.</p> <p>:</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> <p>:</p>	1.0	0.25
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>	1.0	0.25

		<p>:</p> <p>A2 The day the author dies</p> <p>:</p> <p>A3 The end of the calender year in which the author died</p> <p>:</p> <p>A4 60 years from the end of the calender year in which the author died – (Correct Alternative)</p>		
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> <p>:</p> <p>A2 Dec. 31, 2019</p> <p>:</p> <p>A3 June 30,2019</p> <p>:</p> <p>A4 Dec. 31,2018 – (Correct Alternative)</p>		