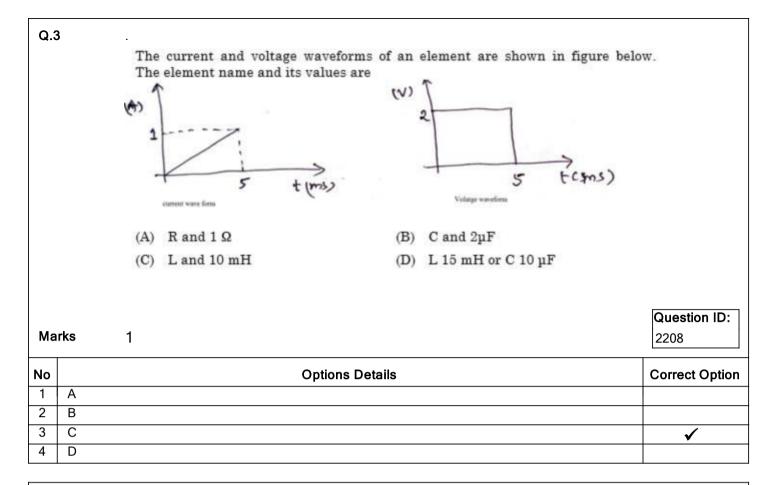
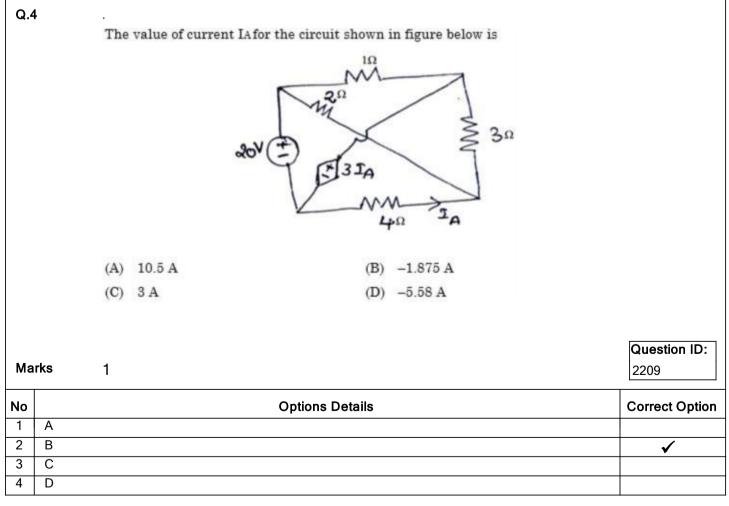


Q.2		acitor is energized by a symmetrical square wave current source then the stea the capacitor will be	dy state voltage
Ма	rks 1		Question ID: 2207
No		Options Details	Correct Option
1	Square		
2	triangular		\checkmark
3	step function		
4	impulse function		





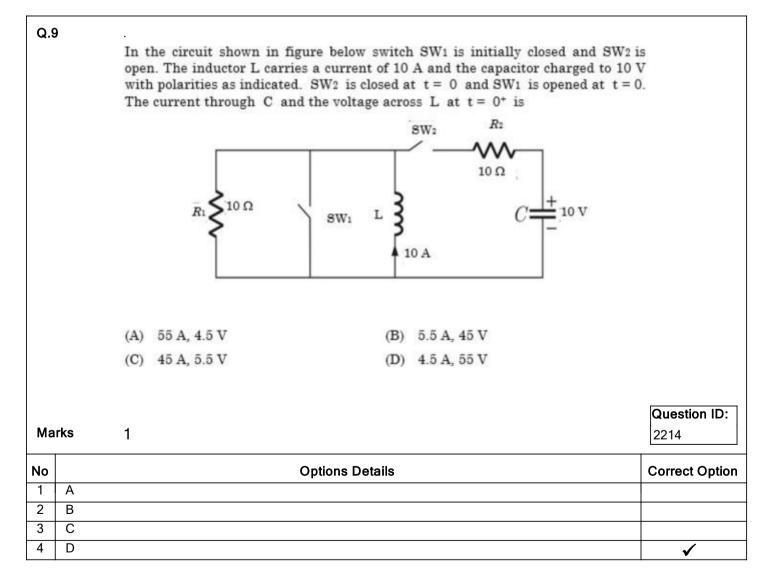
Q.5	For an ac circuit $v = V_m$ s	in ($\omega t + \alpha$) and i =Im sin ($\omega t + \beta$). The phase	angle
	between voltage and current v		angle
	(A) $\alpha + \beta$ or $\alpha - \beta$	(B) $\alpha - \beta$ or $\beta - \alpha$	
	(C) $\beta - \alpha$ or $\beta + \alpha$	(D) α-β	
Marks	1		Question ID: 2210
No	O	ptions Details	Correct Option
1 A 2 B			
2 D 3 C			•
4 D			
Q.6			
Q.6		frequency the current in a serier respect to supply voltage.	es RLC circuit ha
Q.6			es RLC circuit ha
Q.6	phase relation with	respect to supply voltage.	es RLC circuit ha
	phase relation with a (A) 45° lead (C) 90° lead	respect to supply voltage. (B) 45° lag	Question ID:
Q.6 Marks	phase relation with a (A) 45° lead (C) 90° lead	respect to supply voltage. (B) 45° lag	

•			▼
2	В		
3	С		
4	D		
Q.:	7	For a three phase, three wire system, the two Wattmeter read 4000 Watts and 2000 V respectively. The power factor when both meters give direct reading is	Vatts
Ma	ırks	1	Question ID: 2212
No		Options Details	Correct Option
1	1		
2			1
_	0.5		
3	0.5 0.866		✓

4

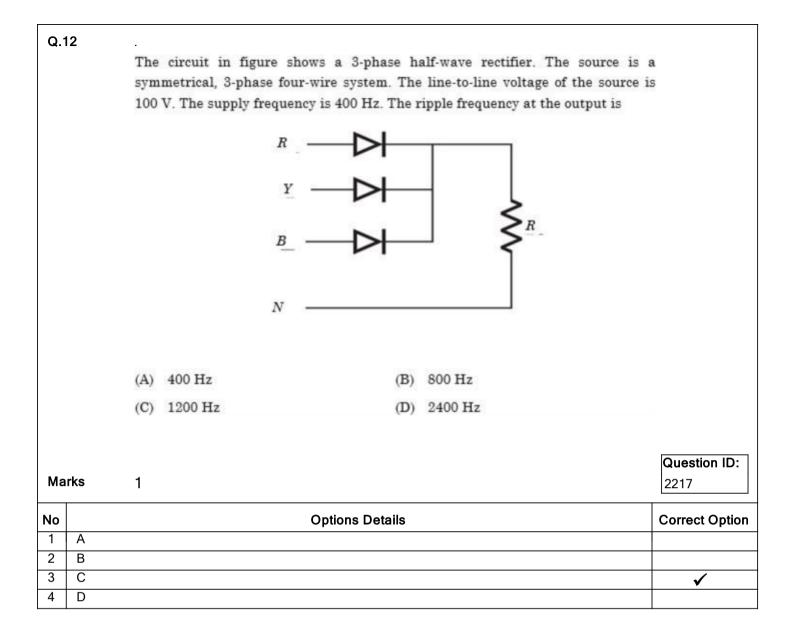
0.6

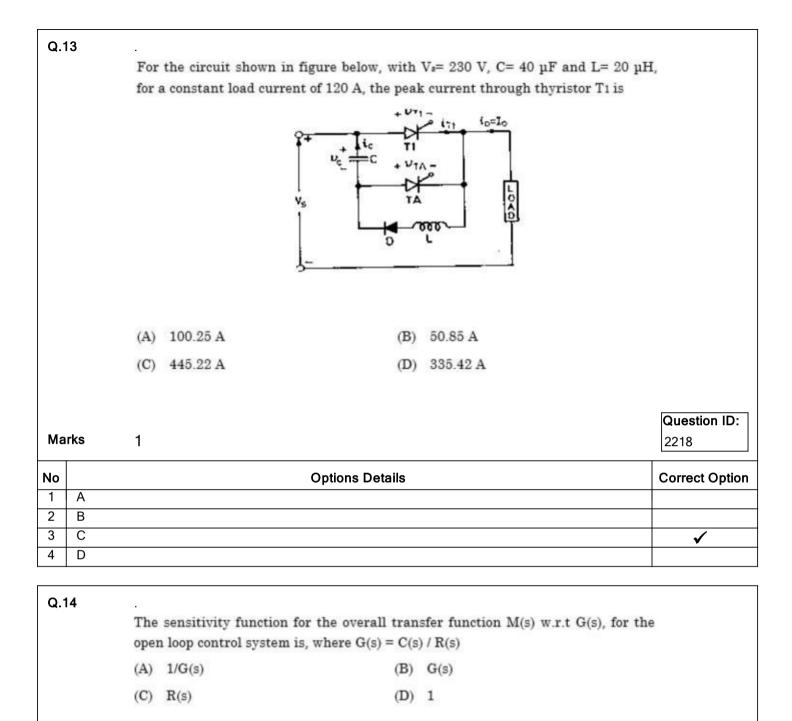
Q.8 Given I1 = 2V1 + V2 and I2 = V1 + V2 then the Z-parameters are given by $\begin{bmatrix} 2 & 1 \\ 1 & 1 \end{bmatrix}$ 1 1] (A) (B) 1 2 (C) $\begin{bmatrix} 1 & -1 \\ -1 & 2 \end{bmatrix}$ $\begin{bmatrix} 2 & -1 \\ 1 & 1 \end{bmatrix}$ (D) Question ID: Marks 1 2213 **Options Details Correct Option** No 1 Α 2 В 3 С \checkmark 4 D



Q.1	10	The typical ratio of latching current to holding current in a 20 A thyristor is				
Ма	rks	1	Question ID: 2215			
No		Options Details	Correct Option			
1	5					
2	2		✓			
3	1					
4	0.5					

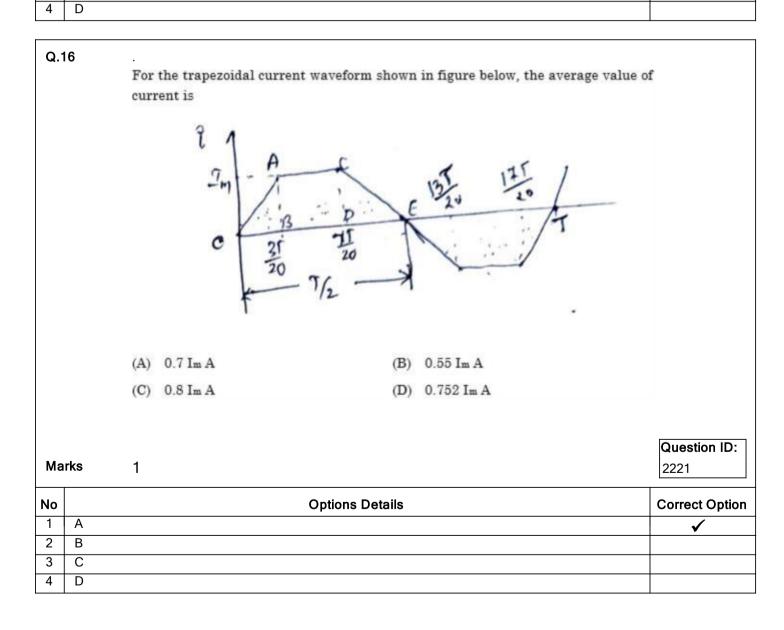
Q.'		A three phase bridge inverter, with 1800 gating scheme, delivers power to a resistive V dc source. For a star connected load of 10 ohm/phase, the rms value of load currer	
Ма	ırks	1	Question ID: 2216
No		Options Details	Correct Option
1	18.708 A		\checkmark
2	20 A		
3	10.52 A		
4	5.55 A		



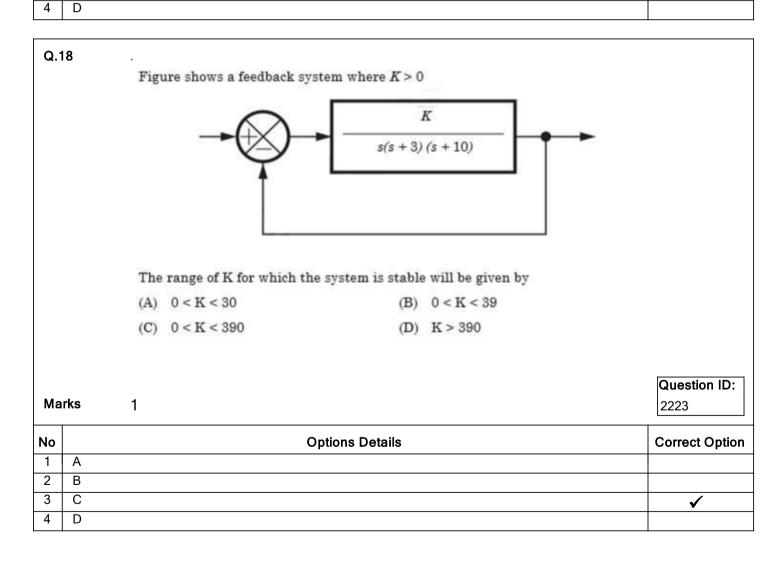


Ма		Question ID: 2219
No	Options Details	Correct Option
1	A	
2	В	
3	C	
4	D	\checkmark

	C			
2	В			
1	A			✓
No		Or	otions Details	Correct Option
Ма	rks	1		Question ID: 2220
		(C) $a = 4 \text{ and } b = 1$	(D) $a = 3 \text{ and } b = 1$	
		(A) $a = 1 \text{ and } b = 2$	(B) $a = 3$ and $b = 2$	
		This compensator is a lead con	npensator if	
		$G_c(S) = \frac{s+a}{s+b}$		
Q.15		The transfer function of a com		



Q.17 A system is defined by the following set of equations $x_2 = a_{12}x_1 + a_{32}x_3 + a_{42}x_4 + a_{52}x_5$ $x_3 = a_{23} x_2$ $x_5 = a_{35}x_3 + a_{45}x_4$ $x_4 = a_{34}x_3 + a_{44}x_4$ From the signal flow graph, the number of forward paths is (B) 2 (A) 1 (C) 3 (D) 4 Question ID: Marks 1 2222 No **Options Details Correct Option** 1 Α 2 В \checkmark 3 С



Q .1	19		
		A unity feedback system	has open loop transfer function $G(S) = \frac{K}{s(s^2 + 6s + 25)}$.
		In the root locus plot for	his system, the breakaway points are at
		(A) $-1 \pm j1$	(B) $-2 \pm j1$
		(C) $-2 \pm j2$	(D) no break away point
			Question ID:
Ма	rks	1	2224
No			Options Details Correct Option
1	А		
2	В		

3			
4	D		✓
Q.2	20		
		If the loop gain K of a unity feedback system having a loop transfer function	n
		$G(S) = \frac{K(s+3)}{(s+8)^2}$ is to be adjusted to induce a sustained oscillation then	
		(A) The frequency of this oscillation must be $4\sqrt{3}$ rad/s	
		(B) The frequency of this oscillation must be 4 rad/s	
		(C) The frequency of this oscillation must be 4 or $4\sqrt{3}$ rad/s	
		(D) Such a K does not exist	
			Question ID:
Ma	rks	1	2225
No		Options Details	Correct Option
1	A		
2	B		✓
3	C		

D

Q.2	21		of a system is described by $\dot{X} = AX + Bu$, is input, Y is output. The transfer function o an matrix C is given by	
		(A) [1 1 1]	(B) $\begin{bmatrix} \frac{1}{2} & \frac{1}{4} & -\frac{1}{4} \end{bmatrix}$	
		(C) $\begin{bmatrix} \frac{1}{2} & 1 & \frac{1}{4} \end{bmatrix}$	(D) $\begin{bmatrix} \frac{1}{2} & \frac{1}{4} & 0 \end{bmatrix}$	
Ма	rks	1		Question ID: 2226
No			Options Details	Correct Option
1	А			
2	В			✓
	С			
3				

Q.2	22				
		Out of the following plant	categories		
		(i) Nuclear (ii) Run-of-riv	ver (iii) Pump Stora	age (iv) Diesel	
		The base load power plant	s are		
		(A) (i) and (ii)	(B)	(ii) and (iii)	
		(C) (i), (ii) and (iv)	(D)	(i), (iii) and (iv)	
					Question ID:
Ма	rks	1			2227
No			Options Details		Correct Option
1	А				✓
2	В				
3	С				
4	D				

Q.23		Pin type insulators are generally not used for voltages beyond					
Marks		1					Question ID: 2228
No				Options Details			Correct Option
1	22 kV						
2	33 kV						✓
3	11 kV						
4	1 kV						
Q.:	24	dian thic (A)			able is 495 MΩ per k on is 4·5 × 10 ¹⁴ Ω -cm, 1.25 cm 2 cm		
Marks		1					Question ID: 2229
No	A			Options Details			Correct Option
2	B						✓
3	C						•
4	D						

(2, 3, 4, 6	•	(B)	1, 4, 5 2, 3, 5			
	 both electrical and mechanical systems for electromechanical energy conversion electrical or mechanical system for electromechanical energy conversion. 							у
	 electrical system in order to extract energy from electrical system mechanical system in order to extract energy from electrical system 							
1	 electrical system in order to extract energy from mechanical system mechanical system in order to extract energy from mechanical system 							
25 .	A coupl	ing magnetic	c field must react	with				

Q.2	6 Compensating windings are used in DC generators	
Ma	rks 1	Question ID: 2231
No	Options Details	Correct Option
1	To provide path for the circulation of cooling	
2	to neutralize the cross magnetizing effect of the armature reaction	✓
3	Mainly to reduce the eddy currents by providing local short Circuit	
4	to provide mechanical balance	

D

Q.2	A dc shunt generator builds up to a voltage of 220 V at no load while running at its rat speed of the generator is raised by 25% keeping the circuit conditions unaltered, then which the machine would build up will	
Ма	rks 1	Question ID: 2232
No	Options Details	Correct Option
1	not change and remain at 220 V	
2	increase to 1.25 times 220 V	✓
3	increase to value lying between 220 V and 1.25 times 220 V	
4	increase to a value greater than 1.25 times 220 V	

Q.2	28	A 220 V dc machine has an armature resistance of 1 Ω . If the armature current is 20 A in the induced voltages when the machine is running as a motor and as a generator is	
Ма	rks	1	Question ID: 2233
No		Options Details	Correct Option
1	20 V		
2	0 V		
3	40 V		\checkmark
4	50 V		

Q.2	A 2200 / 220 V, 50 Hz single phase transformer has exciting current of 0.6 A and a co watts, when its HV side is energised at rated voltage. The core loss and magnetising current respectively are	
Ма	rks 1	Question ID: 2234
No	Options Details	Correct Option
1	0.5 A and 0.2 A	
2	0.164 A and 0.574 A	\checkmark
3	0.52 A and 0.3 A	
4	0.6 A and 0 A	

Q.3	30	A transformer 2,000 KVA, 250 Hz is operated at 50 Hz. Its KVA rating should be revise	∍d to
			Question ID:
Ma	irks	1	2235
No		Options Details	Correct Option
1	400 KVA		\checkmark
2	10000 KV	VA	
3	2000 KV	A	
4	2500 KV	A	

Q.:	31	Assume power factor of 0.8 lag at all loads. A 200 KVA transformer has an efficiency load. If the maximum efficiency occurs at ¾ of full load, the % efficiency at half full loa	
Ма	irks	1	Question ID: 2236
No		Options Details	Correct Option
1	98.26		
2	96.22		
3	95.34		
4	97.92		\checkmark

Q.3	A three-phase 440 V, 6 pole, 50 Hz, squirrel cage induction motor is running at a slip speed of stator magnetic field to rotor magnetic field and speed of rotor with respect o field are	
Ма	rks 1	Question ID: 2237
No	Options Details	Correct Option
1	zero, - 50 rpm	\checkmark
2	zero, 950 rpm	
3	1000 rpm, -50 rpm	
4	1000 rpm, 950 rpm	

Q.C	33	A 3 phase squirrel cage induction motor has maximum torque equal to twice t per phase rotor resistance and per phase stand still reactance referred to sta ohm respectively. Neglect stator impedance. The ratio of starting torque to ful delta starter is	tor are 0.2 ohm and 2
Ма	rks	1	Question ID: 2238
No		Options Details	Correct Option
1	0.313		
	0.25		
2	0.20		
2 3	0.496		

Q.3	34	A three-phase synchronous motor connected to ac mains is running at full load and un If its shaft load is reduced by half, with field current held constant, its new power facto	
Ма	rks	1	Question ID: 2239
No		Options Details	Correct Option
1	unity		
2	leading		\checkmark
3	lagging		
4	depende	ent on machine parameters	

Q.:	35	sync Xd =	00 MVA, 3 – phase chronous motor with 5Ω and Xq= 3Ω. At acitation voltage per p	negligible armature full load, unity pow	resistance has per	phase reactances	5
		(A)	7035 V	(B)	8022 V		
		(C)	9588 V	(D)	8688 V		
Ма	rks	1					Question ID: 2240
No				Options Details			Correct Option
1	Α						
2	В						\checkmark
3	С						
4	D						

Q.3	6 In Swinburne's method of testing dc machines, the shunt machine is run as a	
Ма	rks 1	Question ID: 2241
No	Options Details	Correct Option
1	motor at no load at rated speed and rated voltage	✓
2	generator at no load at near rated speed and rated voltage	
3	generator at full load at rated speed and rated voltage	
4	generator at no load at rated speed and rated terminal voltage	

Q.:	37			771
		energy stored in the region a <	e is given by, $V=\frac{50}{r}$, $a \le r \le b$ (spherical). r < b is	I nen the
		(A) $1.39 \ge 10^{-7} \left[\frac{1}{a} - \frac{1}{b} \right] V$	(B) $1.39 \ge 10^{-7} \left[\frac{1}{b} - \frac{1}{a} \right] V$	
		(C) $0.39 \ge 10^{-7} \left[\frac{1}{b} - \frac{1}{a} \right] V$	(D) 0.39 x $10^{-7} \left[\frac{1}{a} - \frac{1}{b} \right] V$	
Marks		1		Question ID: 2242
No		Opt	ions Details	Correct Option
1	A			✓
2	В			
3	С			
4	D			

A coil of 300 turns is wound on non-magnetic core having a mean circumference of 300 mm and a cross-sectional area of 300 mm². The inductance of the coil corresponding to a magnetizing current of 3 A will be

(A)	37.68 µH	(B)	113.04 µH
(C)	3.768 µH	(D)	1.1304 µH

Ма	rks 1	Question ID: 2243
No	Options Details	Correct Option
1	A	
2	В	✓
3	C	
4	D	

Q.3	39					
		perp		nt magnetic field of	a rate of 2 m/s. The left 0.1 Wb/m ² . When radiu	
		(A)	0.8π V	(B)	0.4π V	
		(C)	$0.2\pi V$	(D)	zero	
Marks		1		Question ID: 2244		
No				Options Details		Correct Option
1	A					✓
2	В					
3	С					
4	D					

Q.4	• A point charge Q = 0.4 nC is located at the origin. The absolute potential of A (2,2,3) is
Ма	rks 1	Question ID: 2245
No	Options Details	Correct Option
1	0.7819 V	
2	0.8719V	\checkmark
3	1.7819V	
4	1.8719 V	

Q.4	When measuring Power with an electro dynamometer wattmeter in a circuit where large:	the load current is
Ма	rks 1	Question ID: 2246
No	Options Details	Correct Option
1	the current coil should be connected on the load side	
2	the pressure coil should be connected on the load side	✓
3	the pressure coil should be connected on the supply side	
4	it is immaterial whether the pressure coil or the current coil is on the load side	

Q.4	A Moving iron instrument can be used for current and voltage measurements	
Ма	rks 1	Question ID: 2247
No	Options Details	Correct Option
		•
1	In a.c. circuits only	
1	In a.c. circuits only In d.c. circuits only	
1 2 3	·	

Q.4	43	An energy meter, having meter constant of 1200 revolutions/kWh, n for a constant load. The load, in kW, is	nakes 20 revolutions in 30 seconds
Ma	ırks	1	Question ID: 2248
No		Options Details	Correct Option
1	1		
2	2		✓
3	1.5		
4	2.5		

Q.4	44	A galvanometer with a full scale current of 10 mA has a resistance of 1000 $\Omega.$ The m 100 Ω shunt with this galvanometer is	ultiplying power of
Ma	irks	1	Question ID: 2249
No		Options Details	Correct Option
1	110		
2	100		
3	11		✓
4	10		

Q.4	45			
			pedance of $500k\Omega$ in parallel with a capacitance of to CRO to measure the voltage as shown in figur	
			$100 \text{ k}\Omega$ 10 V rms $100 \text{ k}\Omega$ 100 kHz $100 \text{ k}\Omega$ 100 kHz $100 \text{ k}\Omega$	
		(A) 3.53 V	(B) 4.38 V	
		(C) 4.54 V	(D) 5.00 V	
Ма	rks	1		Question ID: 2250
No			Options Details	Correct Option
1	A B			
2	С В			
4	D			

Q.4	16	The breaking current of a circuit breaker rated at 1500 amps, 2000 MVA, 33 KV, 3 sec circuit breaker is	c, 3-phase, oil
Ma	rks	1	Question ID: 2251
No		Options Details	Correct Option
1	89.22 K	1	
2	34.99 K\	/	✓
3	33 KV		
4	66 KV		

Q.4	7 The insulation strength of an EHV transmission line is mainly governed by		
		Question ID:	
Ma	rks 1	2252	
No	Options Details	Correct Option	
1	load power factor		
2	switching over-voltages		
3	harmonics		
4	corona		

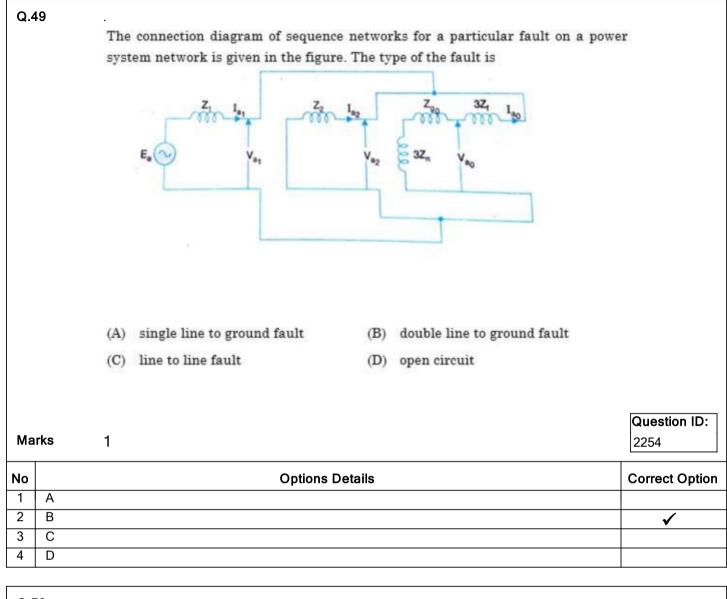
Q.48	
	Incremental fuel costs (in some appropriate unit) for a power plant consisting of
	three generating units are :
	$IC_1 = 20+0.3 P_1, IC_2 = 30+0.4P_2, IC_3 = 30$
	Where Pi is the power in MW generated by unit i for i = 1,2 and 3. Assume that all the three units are operating all the time. Minimum and maximum loads on each unit are 50 MW and 300 MW respectively. If the plant is operating on economic load dispatch to supply the total power demand of 700 MW, the power
	generated by each unit is
	(A) $P_1 = 242.856 \text{ MW}$; $P_2 = 157.14 \text{ MW}$ and $P_3 = 300 \text{ MW}$

(B) $P_1 = 157.14 \text{ MW}$; $P_2 = 242.856 \text{ MW}$ and $P_3 = 300 \text{ MW}$

(C) $P_1 = 300 \text{ MW}$; $P_2 = 300 \text{ MW}$ and $P_3 = 100 \text{ MW}$

(D) $P_1 = 233.3 \text{ MW}$; $P_2 = 233.3 \text{ MW}$ and $P_3 = 233.4 \text{ MW}$

Ма	irks	1	Question ID: 2253
No		Options Details	Correct Option
1	A		✓
2	В		
3	С		
4	D		



2 3	B C			✓
· /	B			
-				
No	A		Options Details	Correct Option
M٤	ırks	1		Question ID: 2255
		(C) +j 0.2	(D) -j 0.2	
1		The impedance of the line (A) +j 0.1	e between bus 1 and 3 will be equal to (B) -j 0.1	
		$\begin{bmatrix} -j50 + j10 + j5 \\ +j10 - j30 + j10 \\ +j5 + j10 - j25 \end{bmatrix}$		
Q.!	50	The bus admittance matr	rix of a power system is given as	

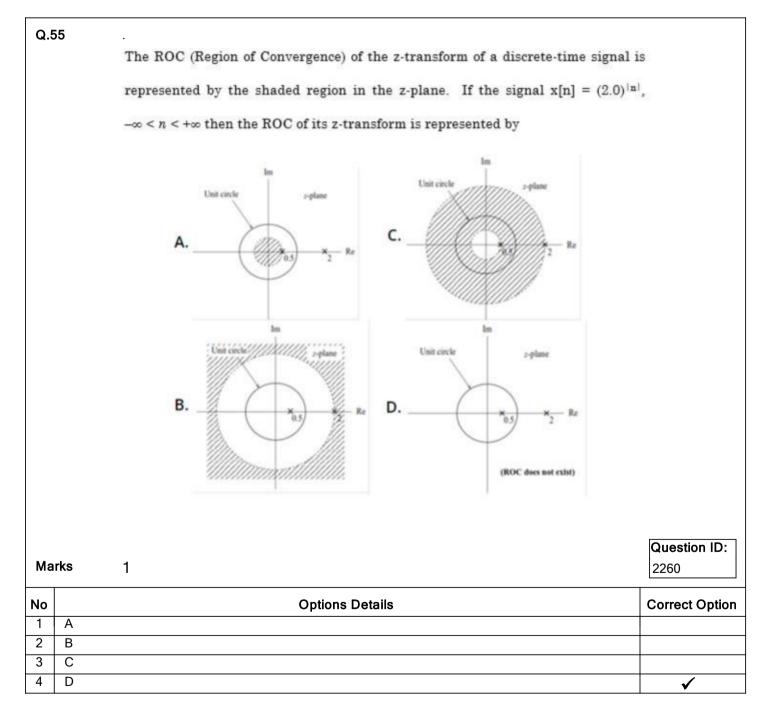
			ilters etc. are examples for whi		
4	D				
3	С				✓
2	В				
1	A				
No			Options Details		Correct Optio
Ма	rks	1			Question ID: 2256
		(C) 30.37 kA	(D) 3	8.45kA	
		(A) 4.44 kA	(B) 2	2.20 kA	
		breakers to a tra reactance X'_d = reactance = 130%. three phase short	nsformer. The generator is 19%, transient reactance The generator is operating a	kV is connected through circ having direct axis sub-transi $X'_d = 26\%$ and synchron t no load and rated voltage whe the breakers and the transform ent in the breakers will be	ent ous n a

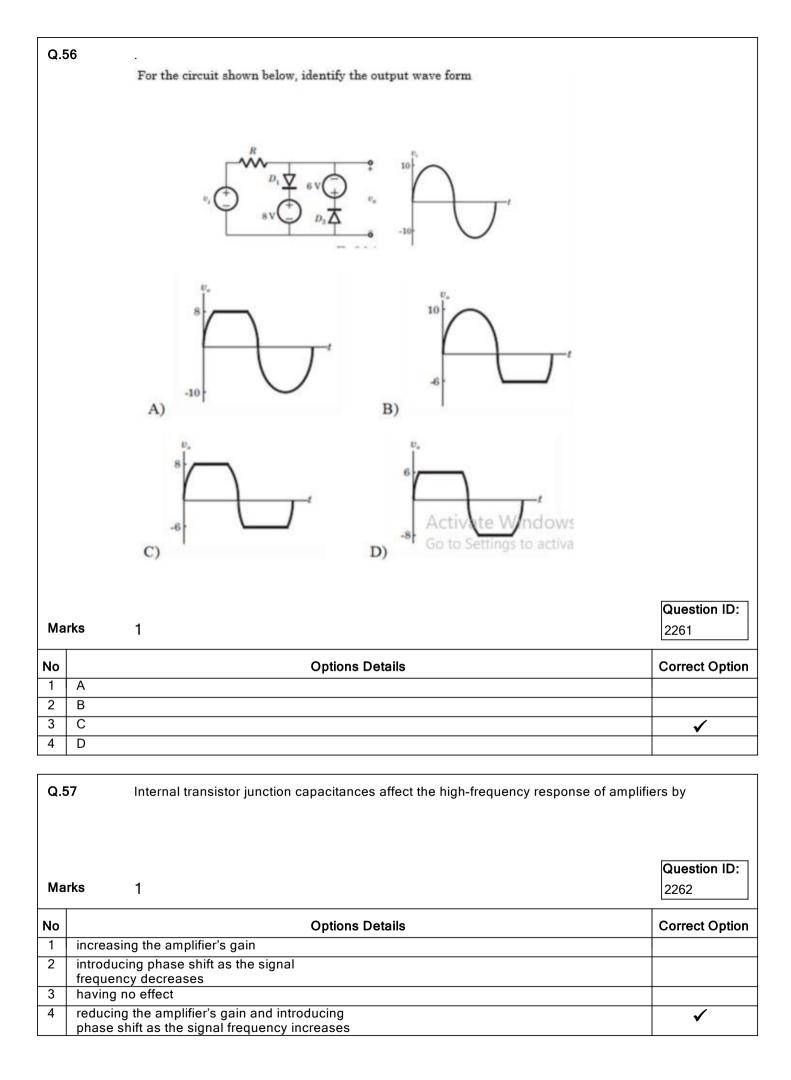
Ма	irks 1	Question ID: 2257
No	Options Details	Correct Option
1	Distributed parameter systems	
2	Unstable systems	
3	Discrete time systems	
4	Continuous time systems	\checkmark

Q.53

An analog signal is band-limited to 4 kHz, sampled at the Nyquist rate and the samples are quantized into 4 levels. The quantized levels are assumed to be independent and equally probable. If we transmit two quantized samples per second, the information rate is _____ bits / second. Question ID: Marks 1 2258 **Correct Option** No **Options Details** 1 1 2 2 3 3 4 4 \checkmark

Q.5	If we amplify an ECG signal before digitizing it, which one of these probably improves	
Ма	rks 1	Question ID: 2259
No	Options Details	Correct Option
1	frequency resolution	
2	time resolution	
3	voltage resolution	\checkmark
4	angular resolution	





Q.t	Which device is used for diagnostic purposes and for recording?	
Ма	rks 1	Question ID: 2263
No	Options Details	Correct Option
1	Band pass filter	
2	Amplifier	
3	Voltage Controlled Oscillator	\checkmark
4	Both (A) and (B)	

Q.59

Consider the following statements

- (i) Schmitt trigger circuit can be emitter coupled bi-stable circuit
- (ii) Schmitt trigger circuit exhibits hysteresis phenomenon

(iii) The output of Schmitt trigger will be triangular if the input is a square wave.

Which of these statements are correct?

- (A) (i), (ii) and (iii) (B) (i) and (ii) only
- (C) (ii) and (iii) only (D) (i) and (iii) only

Ма	rks 1		Question ID: 2264
No		Options Details	Correct Option
1	А		
2	В		\checkmark
3	С		
4	D		

Q.60		With the use of an electronic counter six capsules are to be filled in bottles automatic counter what will be the number of flip-flops required?	
Ма	rks	1	Question ID: 2265
No		Options Details	Correct Option
1	3		✓
2	12		
3	6		
4	8		

Q.6	61					
		Choose the correct alternative that will continue the same pattern and fill in the blank space.				
		3, 10, 27, 4, 16, 64, 5, 25, 125	?			
		(A) 3	(B)	4		
		(C) 10	(D)	27		
Ma	ırks	1			Question ID: 2266	
IVIG					2200	
No			Options Details		Correct Option	
1	A					
2	В					
3						
3 4 Q.6	C D 62					
4	D	Choose the correct alterna blank space.	tive that will conti	nue the same patterr		
4	D		tive that will conti	nue the same patterr		
4	D	blank space.	tive that will conti (B)			
4	D	blank space. 1, 3, 7, 15, 27, 63, 127?		15		
4 Q.6	D	blank space. 1, 3, 7, 15, 27, 63, 127? (A) 7	(B)	15		
4 Q.6	D 62	blank space. 1, 3, 7, 15, 27, 63, 127? (A) 7 (C) 27	(B)	15	n and fill in the Question ID: 2267	
4 Q.6 Ma <u>No</u> 1	62	blank space. 1, 3, 7, 15, 27, 63, 127? (A) 7 (C) 27	(B) (D)	15	n and fill in the Question ID: 2267	
4 Q.6 Ma	62 orks	blank space. 1, 3, 7, 15, 27, 63, 127? (A) 7 (C) 27	(B) (D)	15	n and fill in the Question ID:	

Q.6	63				
		Choose the correct alte blank space.	ernative that will cont	tinue the same patt	ern and fill in the
		1, 5, 9, 16, 25, 37, 19	?		
		(A) 9	(B)	15	
		(C) 25	(D)	37	
Ma	rks	1			Question ID: 2268
No			Options Details		Correct Option
1	A B				
2	ь С				
4	D				
5	Error	in question / Answer options	Grace		✓
I					
Q.6	54	Choose the correct alte blank space.	rnative that will cont	inue the same patt	ern and fill in the
		6, 14, 30, 64, 126?			
		(A) 6	(B)	14	
		(C) 64	(D)	124	
					Question ID:
Ma	rks	1			2269

Ma	rks 1	2269
No	Options Details	Correct Option
1	A	
2	В	
3	C	\checkmark
4	D	

Q.6	65 Growth: E	Death:: Increase : ?	
Ма	rks 1		Question ID: 2270
No		Options Details	Correct Option
1	Ease		
2	Decrease		✓
3	Tease		
4	Cease		

Q.6	66	Dog : Bark :: Goat : ?	
Ма	rks	1	Question ID: 2271
No		Options Details	Correct Option
1	Bleat		✓
2	Howl		
3	Grunt		
4	Bray		

Q.6	7 Rupee : India :: Yen : ?	
Ма	rks 1	Question ID: 2272
No	Options Details	Correct Option
1	Turkey	
2	Bangladesh	
3	Pakistan	
4	Japan	\checkmark

Q.6	Q.68 Oceans : Deserts :: Waves :?		
Ма	rks 1	Question ID: 2273	
No	Options Details	Correct Option	
1	Sea		
2	Dust		
3	Sand dunes	✓	
4	Ripples		

Q.(69					
		Cho	ose the word which is least li	ke the other	words in the group :	
		(A)	Morarji Desai	(B)	Jawarharlal Nehru	
		(C)	S. Radha Krishnan	(D)	Lal Bahadur Sastri	
Ма	ırks	1				Question ID: 2274
No			Options	s Details		Correct Option
1	A					
2	В					
3	С					✓
4	D					
5	E					

Q.1	70					
		Cho	oose the word whic	h is least like the other	words in the group :	
		(A)	King	(B)	Queen	
		(C)	Bishop	(D)	Minister	
Ма	rks	1				Question ID: 2275
No				Options Details		Correct Option
1	A					
2	В					
3	С					✓
4	D					

Q.71 Choose the word which is least like the other words in the group : Hyena (A) Giraffe (B) (C) Deer (D) Rhinoceros Question ID: 2276 Marks 1 No **Correct Option Options Details** 1 А 2 В ✓ 3 С 4 D

Q.7	72					
		Cho	ose the word which i	is least like the other	words in the group	p :
		(A)	Gloomy	(B)	Calm	
		(C)	Distress	(D)	Tense	
Ма	rks	1				Question ID: 2277
No				Options Details		Correct Option
1	A					
2	В					
3	С					✓
4	D					
5	E					

Q.7	73			
		U, O, I, ?, A		
		(A) E	(B) C	
		(C) S	(D) G	
				Question ID:
Ma	rks	1		2278
No			Options Details	Correct Option
1	A			✓
2	В			
3	С			
4	D			

Г

Q.7	Q.74 Choose missing letter out of the given letters :		
		R, M, ? F, D, ?	
Ма	rks	1	Question ID: 2279
No		Options Details	Correct Option
1	С, В	· · · ·	
2	I, C		✓
3	D, H		
4	H, C		
5	E		

Q.75 Choose missing letter out of the given letters : CAT, FDW, IGZ, ? (A) KJA (B) KTC (C) LHD (D) LJC Question ID: Marks 1 2280 No **Options Details Correct Option** 1 Α 2 В 3 С 4 D \checkmark

Q.7	76	If TRAIN is written as WUDLQ then BUS world be written has	
Ma	rks	1	Question ID: 2281
No		Options Details	Correct Option
1	EXU		
2	DWU		
3	EXV		\checkmark
4	VXE		

Q.77 Primary emotions include all except			
Ма	ırks	1	Question ID: 2282
No		Options Details	Correct Option
1	Love		✓
2	Delight		
3	Anger		
4	Fear		

Q.7	78 Factors theory of emotion was developed by	
Ма	rks 1	Question ID: 2283
No	Options Details	Correct Option
1	Cannon - Bard	
2	Schacheter	✓
3	James - Longe	
4	Karl Jung	

Q.7	79	Trait theory of personality was proposed by	
Ma	ırks	1	Question ID: 2284
No		Options Details	Correct Option
1	Allport		✓
2	Erikson		
3	Eysenk		
4	Sheldon		

Q.8	30 Normal IQ Range is	
		Question ID:
Ma	rks 1	2285
No	Options Details	Correct Option
1	70 - 79	
2	90 - 109	\checkmark
3	80 - 89	
4	All of the above	

Q.8	Who is the First Woman Registrar of Assam High Court	
Ma	rks 1	Question ID: 2286
No	Options Details	Correct Option
1	B.S. Bhanumathi	✓
2	Rumi Kumari Phukan	
3	R. Pankaja Mohan	
4	Savithri Roy	

Q.8	82	Louis Braille Day is celebrated on which date	
Ма	ırks	1	Question ID: 2287
No		Options Details	Correct Option
1	January -	4	✓
2	February	6	
3	March 8		
4	April 6		

Q.8	South Indian Actress who got Best Actress Award in 2018 National Film Awards	
Ма	rks 1	Question ID: 2288
No	Options Details	Correct Option
1	NayanaTaara	
2	Anushka	
3	Keerthy Suresh	✓
4	Anupama Parameswaran	

Q.8	84	What is the position of Andhra Pradesh in "Swaccha Sundar Samudaya Sauchalay"	
Ма	arks	1	Question ID: 2289
No		Options Details	Correct Option
1	1		
2	2		\checkmark
3	3		
4	4		

Q.8	4 Passage to India" was written by	
Ма	rks 1	Question ID: 2290
No	Options Details	Correct Option
1	Chetan Bhagath	
2	E.M. Forster	✓
3	Morcopolo	
4	Nelson Mandela	

Q.8	36	Shikha Tandon is related to which sport	
Ма	rks	1	Question ID: 2291
No		Options Details	Correct Option
1	Swimming]	\checkmark
2	Shooting		
3	Chess		
4	Golf		

Q.8	67 'Ball Point Pen' was invented by whom?	
Ma	arks 1	Question ID: 2292
No	Options Details	Correct Option
1	J.J. Loud	✓
2	Carrier	
3	N.J. Lumiere	
4	R. Gatling	

Q.8	8 Expansion of 'LOC' is	
		Question ID.
Ma	rks 1	Question ID: 2293
No	Options Details	Correct Option
1	Lion of Combodia	
2	Line of Commerce	
3	Line of Control	✓
4	Lane of Command	

Q.8	39	Citizenship Amendment Act came into existence on which date	
Ма	ırks	1	Question ID: 2294
No		Options Details	Correct Option
1	1 Jan 20	20	
2	10 Jan 2	020	\checkmark
3	18 Jan 2	020	
4	26 Jan 2	020	

Q.9	90	New Toll Free Number of COVID-19 is	
			Question ID:
Ma	rks	1	2295
No		Options Details	Correct Option
1	1044		
2	1066		
3	1075		✓
4	1078		

Q.9	91				
		Given below a word in capita	l letters is followe	d by four words or grou	ups of words.
		Select the word or groups of	words that is mos	t similar in meaning to	the word in
		capital letters.			
		WHOLESOME			
		(A) Wholehearted	(B) H	Iealthy	
		(C) Widespread	(D) H	Iandsome	
Ma	rks	1			Question ID: 2296
		_			
No		C	ptions Details		Correct Option
1	A	С	ptions Details		
1 2	В	C	ptions Details		Correct Option
		C	ptions Details		
1 2 3	B C D	Given below a word in capi [A], [B], [C] and [D]. Select meaning of the original word as the case may be.	tal letters is follo the word or phra	se which is nearly opp	r phrases as

(A)	Disprove	(B)	Accept
(C)	Oppose	(D)	Retort

		(A)	Disprove	(B)	Accept	
		(C)	Oppose	(D)	Retort	
Ма	rks	1				Question ID: 2297
No				Options Details		Correct Option
1	А					
2	В					✓
3	С					
4	D					

Q.	93										
		In t	he give	en bel	ow ser	ntence the	e parts hav	e ł	oeen jumbled. These parts l	nave bee	n
		labe	lled P	Q, R	and a	S. You ar	e required	to	re-arrange the jumbled pa	rts of th	e
		sent	ence a	nd ma	ark yo	ur respon	se accordir	gly	Ÿ.		
		you	r caree	r / to/	furth	er / study					
			Ρ	Q	R	s					
		(A)	SRQI	0			(1	3)	SQPR		
		(C)	PRQS	3			a)	QSRP		
		()					-		4		
Ма	arks	1									Question ID: 2298
No						Opti	ons Details				Correct Option
1	A										
2	B										✓
3	C										
4	D										
Q.:	94	Com	mlata i	the mi		antanaa h	u choosing	+1-	a maat annuanniata maud/a	fuers th	2
			n alter	-		entence o	y choosing	th	e most appropriate word/s	from th	e
		Brio	II dittoi	Inder	00.						
		A ca	reful –			— of the r	records sho	we	d mismanagement of funds		
		(A)	explo	ration	i.		(1	3)	scrutiny		
		(C)	scans	ion			(1	D)	quest		
Ма	arks	1									Question ID: 2299
No						Opti	ons Details				Correct Option
1	A										
2	B										✓
3	C										
4	D										

Q.9	95					
		Find	d out the correct meaning of the	e idiom/	phrase underlined from the opt	tions
		give	n below.			
		Gov	ind had to <u>eat his words</u> when th	ne team v	von the cup.	
		(A)	admit that he was wrong	(B)	speak to the team	
		(C)	sing the praises of the team	(D)	deny victory for the team	
						Question ID:
Ma	rks	1				2300
No			Options D	Details		Correct Option
1	Α					✓
2	В					
3	С					
4	D					

Q.9	Given are parts of the sentence. One of the parts may have a mistake. Spot the error	Given are parts of the sentence. One of the parts may have a mistake. Spot the error part.					
		Question ID:					
Ма	Marks 1						
No	Options Details	Correct Option					
1	How did he cope up	✓					
2	with all those						
3	stressful moments						
4	of life?						

Q.97

Q.9	97	Imp	Improve the given sentence finding the mistake(s) if any.						
		She	doesn't know to sing and dance.						
		(A)	knows how to	(B)	know how to				
		(C)	knows to	(D)	knew to				
Ма	rks	1				Question ID: 2302			
No			Options Deta	ails		Correct Option			
1	A								
2	В					✓			
3	С								
4	D								

98	Cho	Choose appropriate word to fill in the blank in the below given sentence.						
	The	award —	to her for her cont	ributions to the field o	f dance.			
	(A)	was given	(B)	given				
	(C)	been given	(D)	gave				
rks	1				Question ID: 2303			
			Options Details		Correct Option			
А					✓			
В								
С								
D								
	B C	Cho The (A) (C) rks 1 A B C	Choose appropriate v The award — (A) was given (C) been given rks 1 A B C	Choose appropriate word to fill in the blank is The award ————————————————————————————————————	Choose appropriate word to fill in the blank in the below given semi The award ————————————————————————————————————			

Γ

Q.9	99		
		Read the following passage and answer the questions that follows it.	
		As a consequence of the exponential growth of science, most mathematics ha	IS
		developed since the 15th century CE, and it is a historical fact that, from the 15t	h
		century to the late 20th century, new developments in mathematics were large	y
		concentrated in Europe and North America. For these reasons, the bulk of th	is
		article is devoted to European developments since 1500.	
		What is the passage about?	
		(A) History of Science	
		(B) Europe and North America	
		(C) History of 15 th Century Europe	
		(D) History of mathematics	
			Question ID:
Ма	irks	1	2304
No		Options Details	Correct Option
1	A		
2	B		
3	С		
4	D		✓

Read the following passage and answer the questions that follows it. As a consequence of the exponential growth of science, most mathematics has developed since the 15th century CE, and it is a historical fact that, from the 15th century to the late 20th century, new developments in mathematics were largely concentrated in Europe and North America. For these reasons, the bulk of this article is devoted to European developments since 1500. Which factor triggered the growth of mathematics since the 15th century? (A) increased interest in numbers (B) growth of trade and commerce (C) growth of science (D) exponential growth of population Marks 1 No Options Details Options Details Correct Option	4						 ✓
Read the following passage and answer the questions that follows it. As a consequence of the exponential growth of science, most mathematics has developed since the 15th century CE, and it is a historical fact that, from the 15th century to the late 20th century, new developments in mathematics were largely concentrated in Europe and North America. For these reasons, the bulk of this article is devoted to European developments since 1500. Which factor triggered the growth of mathematics since the 15th century? (A) increased interest in numbers (B) growth of trade and commerce (C) growth of science (D) exponential growth of population Marks 1 No Options Details Options Details Correct Option	2	C					
Read the following passage and answer the questions that follows it. As a consequence of the exponential growth of science, most mathematics has developed since the 15th century CE, and it is a historical fact that, from the 15th century to the late 20th century, new developments in mathematics were largely concentrated in Europe and North America. For these reasons, the bulk of this article is devoted to European developments since 1500. Which factor triggered the growth of mathematics since the 15th century? (A) increased interest in numbers (B) growth of trade and commerce (C) growth of science (D) exponential growth of population Marks 1 Question ID: 2305	•						
Read the following passage and answer the questions that follows it. As a consequence of the exponential growth of science, most mathematics has developed since the 15th century CE, and it is a historical fact that, from the 15th century to the late 20th century, new developments in mathematics were largely concentrated in Europe and North America. For these reasons, the bulk of this article is devoted to European developments since 1500. Which factor triggered the growth of mathematics since the 15th century? (A) increased interest in numbers (B) growth of trade and commerce (C) growth of science (D) exponential growth of population Marks 1				Options I	Details		Correct Option
Read the following passage and answer the questions that follows it. As a consequence of the exponential growth of science, most mathematics has developed since the 15th century CE, and it is a historical fact that, from the 15th century to the late 20th century, new developments in mathematics were largely concentrated in Europe and North America. For these reasons, the bulk of this article is devoted to European developments since 1500. Which factor triggered the growth of mathematics since the 15th century? (A) increased interest in numbers (B) growth of trade and commerce (C) growth of science (D) exponential growth of population		1	•				
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Read the following passage and answer the questions that follows it. As a consequence of the exponential growth of science, most mathematics has developed since the 15th century CE, and it is a historical fact that, from the 15th century to the late 20th century, new developments in mathematics were largely concentrated in Europe and North America. For these reasons, the bulk of this article is devoted to European developments since 1500. Which factor triggered the growth of mathematics since the 15th century?			(C)	growth of science	(D)	exponential growth of population	
Read the following passage and answer the questions that follows it. As a consequence of the exponential growth of science, most mathematics has developed since the 15th century CE, and it is a historical fact that, from the 15th century to the late 20th century, new developments in mathematics were largely concentrated in Europe and North America. For these reasons, the bulk of this article is devoted to European developments since 1500.			(A)	increased interest in numbers	(B)	growth of trade and commerce	
Read the following passage and answer the questions that follows it. As a consequence of the exponential growth of science, most mathematics has developed since the 15th century CE, and it is a historical fact that, from the 15th century to the late 20th century, new developments in mathematics were largely concentrated in Europe and North America. For these reasons, the bulk of this			Whi	ich factor triggered the growth of	mathen	natics since the 15th century?	
Q.100			As a deve cent conc	a consequence of the exponentia eloped since the 15th century CE tury to the late 20th century, new centrated in Europe and North	al growt , and it i w develo America	h of science, most mathematics ha s a historical fact that, from the 15t pments in mathematics were largel . For these reasons, the bulk of thi	h y