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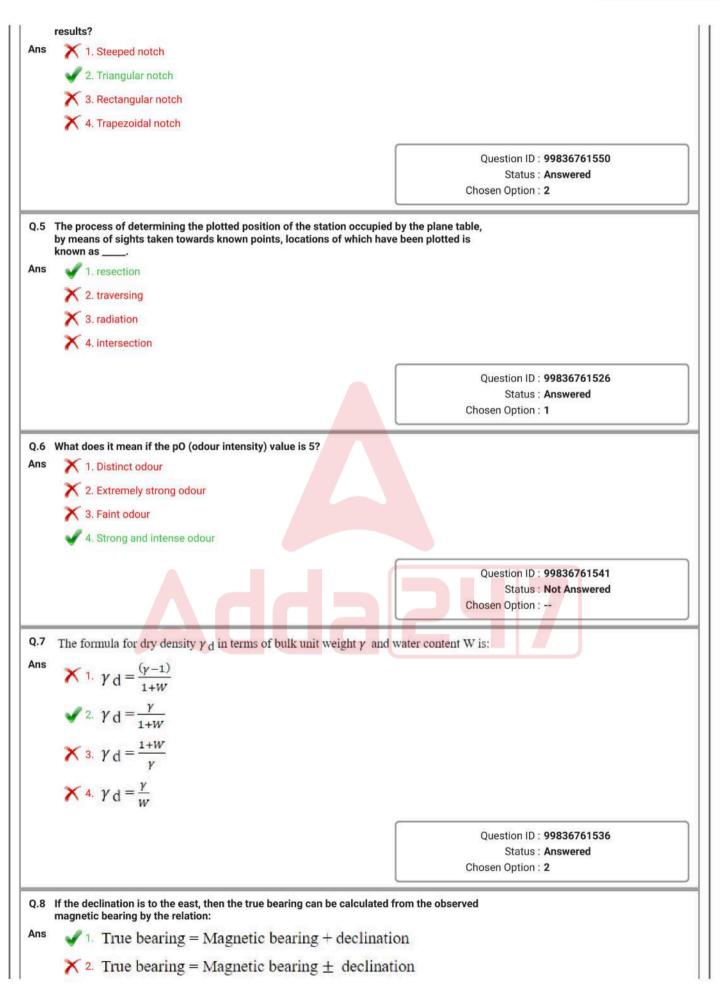




4	Punjab State Po	ower Corporation Limited
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articipant		
ame		
est Center ame		
est Date	19/12/2019	
st Time	10:00 AM - 12:00 PM	
ubject	JUNIOR ENGINEER CIVIL	
ction : Disciplin		
	of a 50 m line having bearing S 40° W is	
ns X 1. 38		
238		
X 3. 32	13 m	
X 432	.13 m	
		Question ID : 99836761523 Status : Answered
		Chosen Option : 4
considerabl	of water saturated material to endure <mark>repeated</mark> freezing and the edecrease of mechanical strength is known as:	hawing with
	st resistance	
Contractor of the second	athering resistance	
🗙 3. wa	ter permeability	
🗙 4. hy	groscopicity	
	ſ	Quantian ID + 00026761516
		Question ID : 99836761516 Status : Answered
		Chosen Option : 2
	t unit weight of 20.11KN/m ³ and water content of 15%. Calculate the water co eight of 19.42KN/m ³ and the voids ratio remains unchanged.	ontent if the soil partially
uns X 1. 1		
X 2. 2		
🗙 з. 1.		
V 4. 1	1%	
	ſ	Quantian ID : 00926761520
		Question ID : 99836761530
		Status : Answered
		Status : Answered Chosen Option : 4

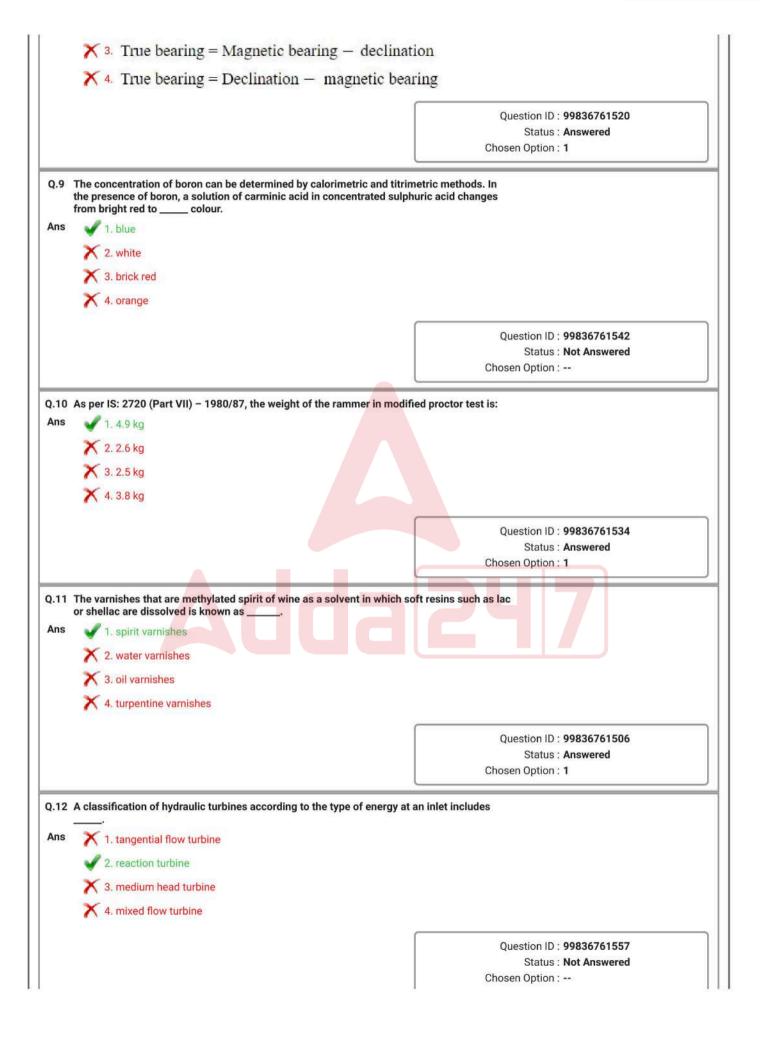






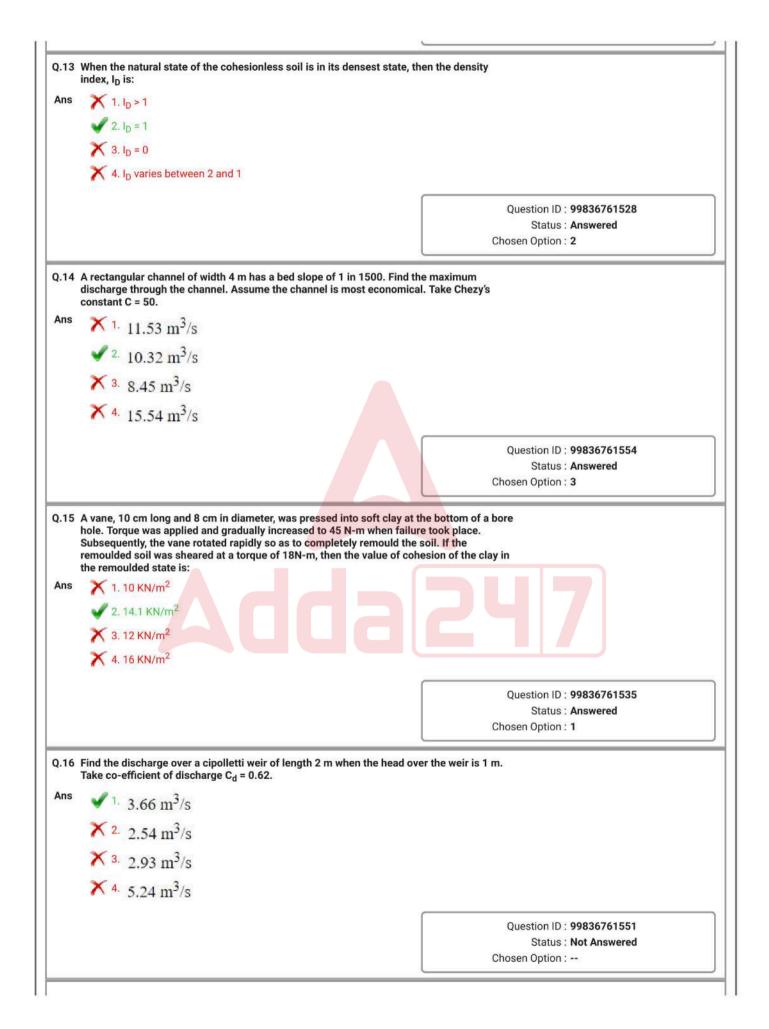
















2.17	A 'Belite' is called as:	
Ans	✗ 1. pure C₂S (dicalcium silicate)	
	\times 2. impure C ₃ S(tricalcium silicate)	
	X ₃. pure C ₃ S(tricalcium silicate)	
	✓ 4. impure C ₂ S (dicalcium silicate)	
		Question ID : 99836761570 Status : Answered
		Chosen Option : 4
2.18	The two most important operations to ensure the requirement	s of strength, impermeability
Ans	and durability of hardened concrete in the actual structure are 1. mixing and placing	
uio	 X 2. mixing and batching 	
	X 3. finishing and curing	
	 4. placing and compacting 	
	- Placing and compacting	
		Question ID : 99836761573
		Status : Answered Chosen Option : 2
_		
	The objective of seasoning wood is to:	
Ans	1. decrease strength, durability and work-ability	
	X 2. increase its weight	
	3. reduce the shrinkage and warping after placement in a	astructure
	X 4. increases its tendency to split and decay	
		Question ID : 99836761509
		Status : Answered
		Chosen Option : 3
<u>]</u> .20	The Process of rubbing down the wood surface by means of p after the prime coat is applied and then filling up all cracks, na	
Ans	etc. with putty is known as	
1772723	2. stopping	
	🗙 3. preparation of surface	
	× .	
	X 4. under coating	
	X 4. under coating	Question ID : 99836761505
	X 4. under coating	Status : Answered
	X 4. under coating	
Q.21	A fluid, in which shear stress is more than the yield value and a	Status : Answered Chosen Option : 3
	A fluid, in which shear stress is more than the yield value and s the rate of shear strain is known as	Status : Answered Chosen Option : 3
Q.21 Ans	A fluid, in which shear stress is more than the yield value and s the rate of shear strain is known as X 1. real fluid	Status : Answered Chosen Option : 3
	A fluid, in which shear stress is more than the yield value and s the rate of shear strain is known as	Status : Answered Chosen Option : 3

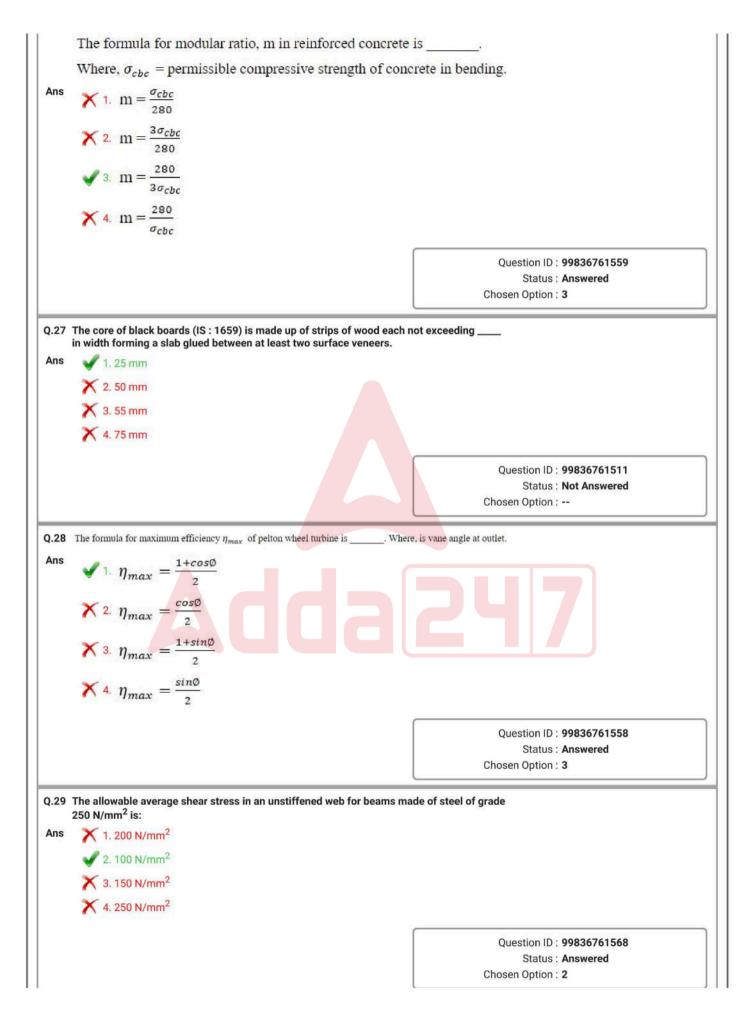




		Question ID : 99836761547 Status : Answered Chosen Option : 2
2.22	When piles are bonded together with water soluble glues su obtained.	uch as casein glue, is
Ans	X 1. exterior grade plywood	
	X 2. star plywood	
	🖋 3. interior grade plywood	
	🗙 4. diagonal plywood	
		Question ID : 99836761510 Status : Answered Chosen Option : 3
2.23	The process of turning the telescope in a horizontal plane is	s known as
Ans	1. swinging the telescope	
	X 2. telescope normal	
	X 3. transiting	
	X 4. plunging	
		Question ID : 99836761521 Status : Answered Chosen Option : 1
Q.24 Ans	An oven-dried soil having a mass of 200 g is placed in a pyo completely filled with water. The total mass of the pycnome 1605 g. The pycnometer filled with water alone has a mass gravity of the soil. 1. 2.67 2. 2.5 3. 2.53 4. 2.43	eter with water and soil inside is
	4. 2.45	
	4. 2.43	Ouestion ID : 99836761531
	4. 2.43	Question ID : 99836761531 Status : Answered Chosen Option : 1
	Paints which are highly reflective and applied over radiators	Status : Answered Chosen Option : 1
	Paints which are highly reflective and applied over radiators 1. asbestos paints	Status : Answered Chosen Option : 1
	Paints which are highly reflective and applied over radiators 1. asbestos paints 2. cellulose paints	Status : Answered Chosen Option : 1
	Paints which are highly reflective and applied over radiators X 1. asbestos paints X 2. cellulose paints X 3. aluminium paints	Status : Answered Chosen Option : 1
	Paints which are highly reflective and applied over radiators 1. asbestos paints 2. cellulose paints	Status : Answered Chosen Option : 1
Q.25 Ans	Paints which are highly reflective and applied over radiators X 1. asbestos paints X 2. cellulose paints X 3. aluminium paints	Status : Answered Chosen Option : 1

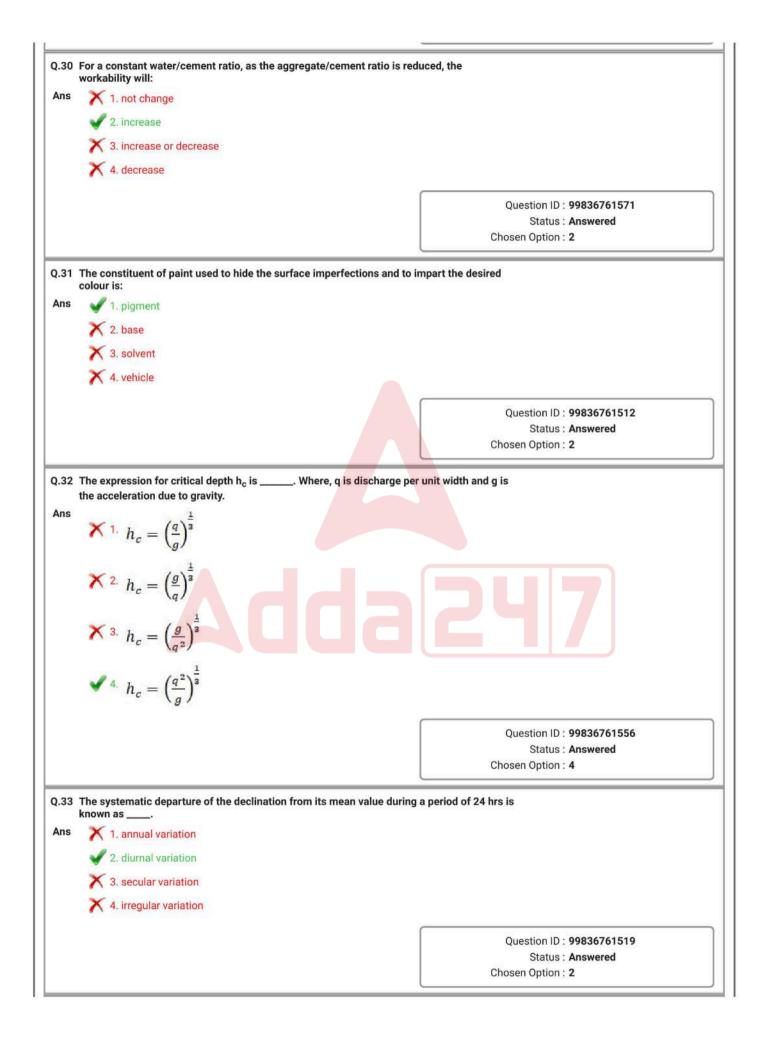






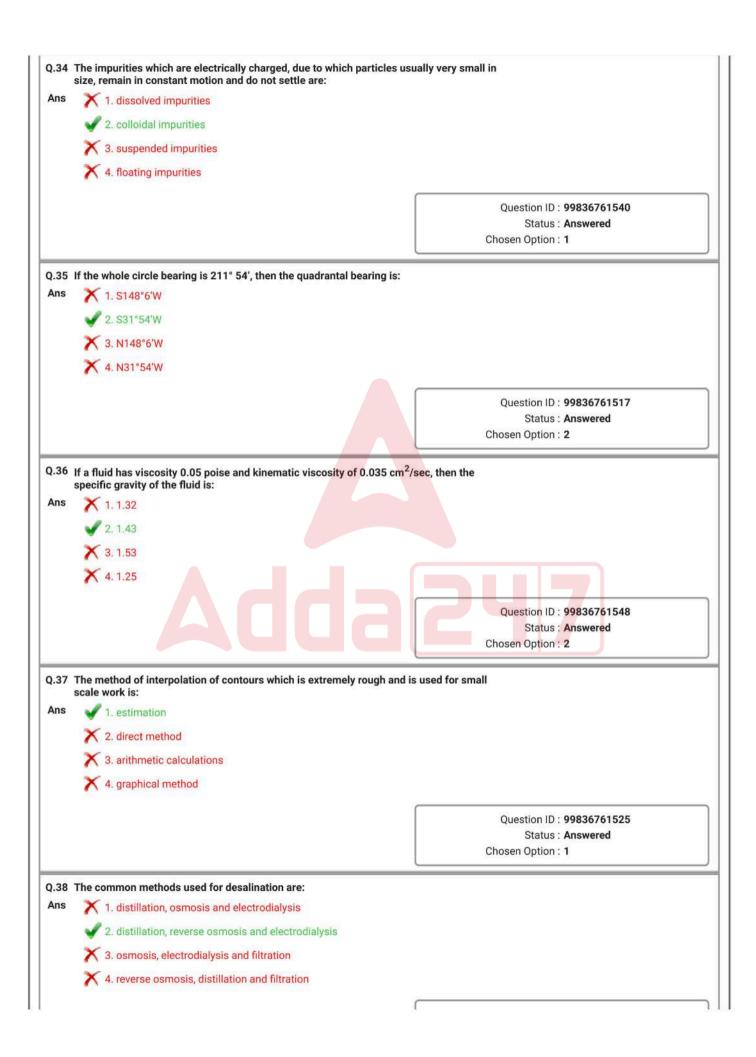






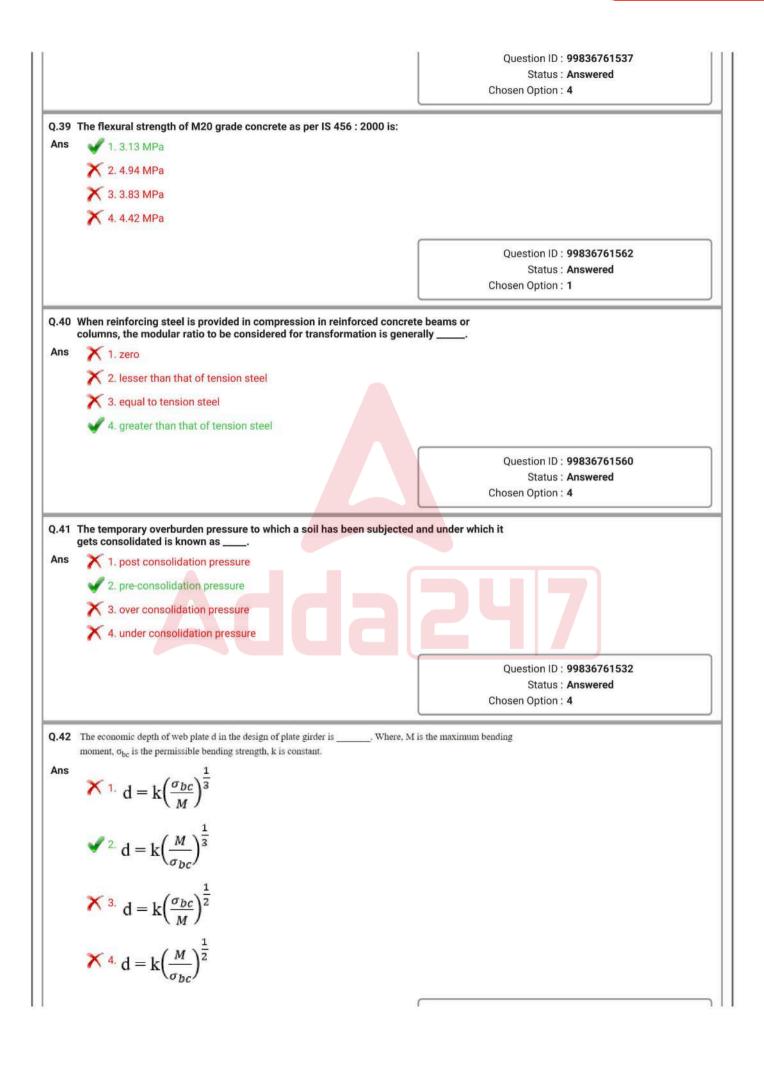






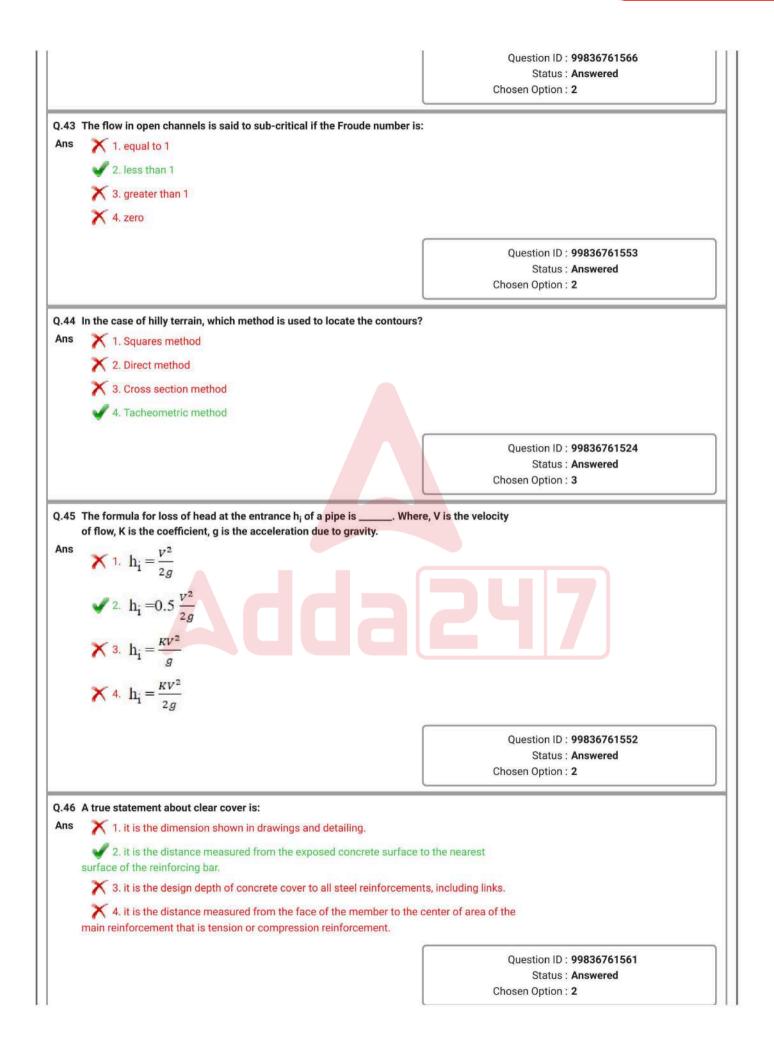
















).47 Identify the type of stairs in the given figure:	
Ans X 1. spiral stairs	
X 2. quarter turn stairs	
🖌 3. helicoidal stairs	
X 4. open well stairs	
	Question ID : 99836761565 Status : Answered Chosen Option : 4
2.1.5 3.1.15 4.1	Question ID : 99836761563 Status : Answered Chosen Option : 2
AP The main cementitious compounds in Portland cement are: Ans χ 1. C ₃ S (tricalcium silicate) and C ₃ A (tricalcium silicate)	alcium aluminate)
\sim 2.	actum atummac)
C_3A (tricalcium aluminate) and C_4AF (tetraca	lcium aluminoferrite)
\mathbf{X} 3. C ₃ A (tricalcium aluminate) and C ₂ S (d	dicalcium silicate)
\checkmark 4. C ₃ S (tricalcium silicate) and C ₂ S (dica	alcium silicate)
	Question ID : 99836761569 Status : Answered Chosen Option : 4
2.50 The pipes which are manufactured from clays and shales of sp	ecial gualities and grades,
using hot process, are known as Ans X 1. plastic sewers	
2. stoneware sewers	





		Question ID : 99836761545 Status : Answered Chosen Option : 2
Q.51	Portland cement having less C ₃ A (Tricalcium aluminate) will have:	
Ans	imes 1. higher ultimate strength, high generation of heat and less crac	sking
	2. higher ultimate strength, less generation of heat and less crac	king
	\mathbf{X} 3. lesser ultimate strength, less generation of heat and less crac	king
	\mathbf{X} 4. lesser ultimate strength, less generation of heat and high crac	king
		<u> </u>
		Question ID : 99836761507
		Status : Answered Chosen Option : 2
Q.52	The exposed vertical surfaces left on the sides of an opening after the frame has been fitted in position are called as	e door or window
Ans	frame has been fitted in position are called as	
	× 2. frog	
	X 3. jambs	
	X 4. perpend	
		Question ID : 99836761508
		Status : Answered
		Chosen Option : 1
Q.53 Ans	A section of sewer constructed lower than adjacent sections, to pass or obstruction is called as 1. depressed sewer 2. intercepting sewer 3. house sewer 4. relief sewer	beneath an obstacle
	4. Tener Sewer	
		Question ID : 99836761544
		Status : Answered Chosen Option : 1
	As per IS 456 : 2000 for the design of reinforced concrete beam, the n	naximum allowable
Ans	shear stress depends on the: X 1. grade of concrete and steel	
	and the second	
	X 2. grade of steel only	
	3. grade of concrete only	
	X 4. grade of concrete and percentage of reinforcement	
		Question ID : 99836761564
		Status : Answered

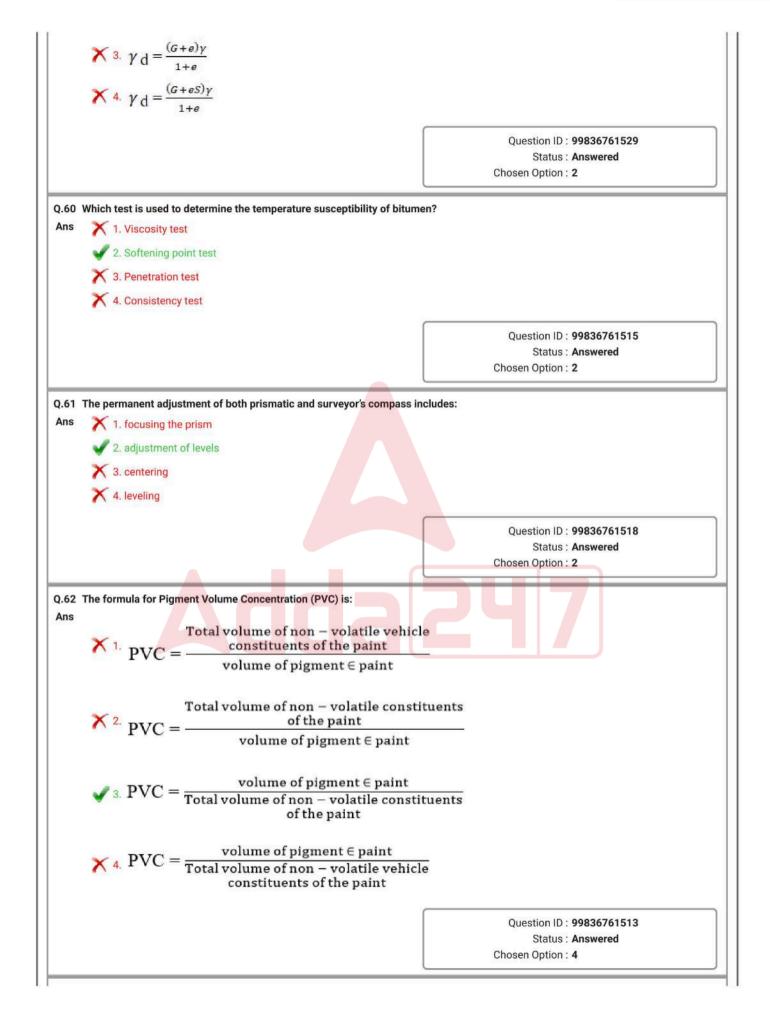




	the length of the notch, when co-efficient of discharge is $C_d = 0.62$?
ns	X 1. 164 mm	
	✔ 2. 192 mm	
	🗙 3. 200 mm	
	🗙 4. 170 mm	
		Question ID : 99836761549
		Status : Not Answered
		Chosen Option :
	An undisturbed sample of clay, 24 mm thick, consolidated 50% in 2 in the laboratory with drainage allowed at top and bottom. The clay sample was obtained, is 4 m thick in the field. How much time will i 50%, with double drainage?	layer, from which the
Ins	🗙 1. 300 days	
	🗙 2. 350 days	
	X 3. 285 days	
	✓ 4. 386 days	
	•	
		Question ID : 99836761533
		Status : Answered Chosen Option : 4
		onosch option. 4
.57	The requirement of water for domestic use is:	
Ans	1. it should not lead to scale formation	
	imes 2. it should not be reasonably free from phenolic compounds	, chlorides etc.
	\mathbf{X} 3. it should not be plentiful and cheap	
	X 4. it should not be reasonably soft	
		Question ID : 99836761539
		Status : Answered
		Chosen Option : 1
	A batch mixer in which the axis of the mixer is always horizontal ar by inserting a chute into the drum or by reversing the direction or re known as:	
Ans	 1. non-tilting drum mixer 	
	X 2. pan-type mixer	
	X 3. dual drum mixer	
	X 4. tilting drum mixer	
		Question ID : 99836761572
		Status : Answered
		Chosen Option : 3
.59	The Relation between dry density γ_d , specific gravity G, and voids ratio e, Where, γ	is the unit weight, S is the degree
	of saturation is given by:	
Ans	$(G-1)\gamma$	
	$ 1. \ \gamma_{d} = \frac{(G-1)\gamma}{1+e} $ $ 2. \ \gamma_{d} = \frac{G\gamma}{1+e} $	
	GY	
	\checkmark $\gamma d = \frac{1+e}{1+e}$	

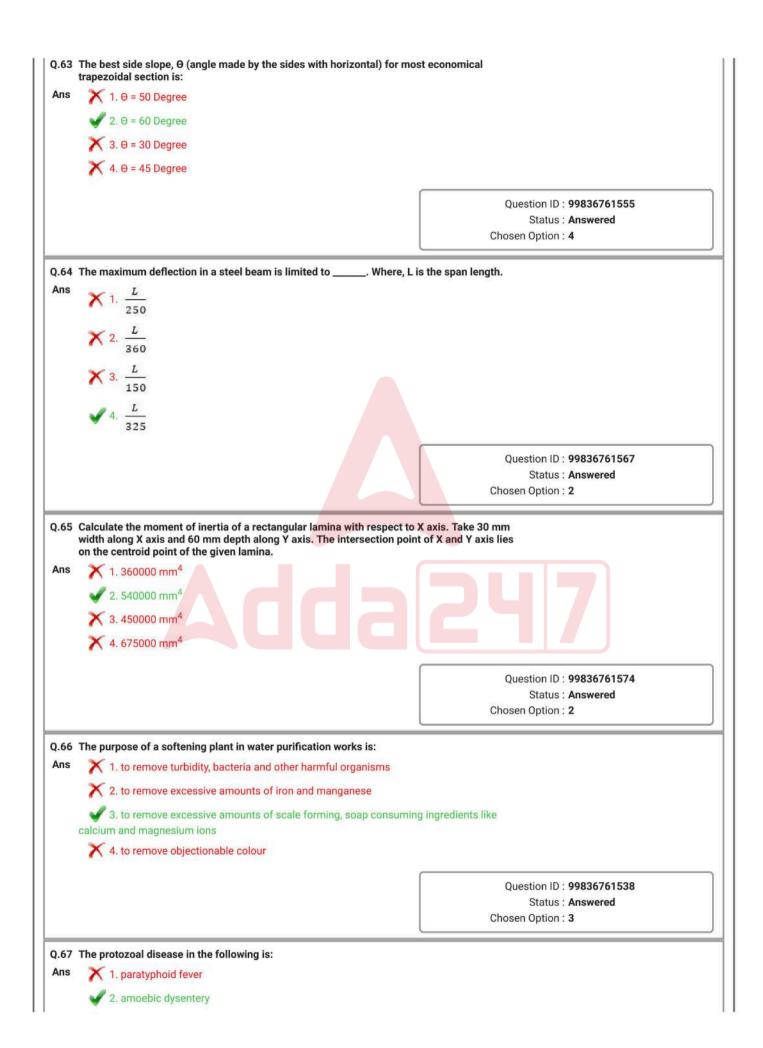
















	🗙 3. cholera	
	🗙 4. bacillary dysentery	
		Question ID : 99836761543 Status : Answered Chosen Option : 1
.68 .ns	If the tangent length for a simple curve is 12 m and the chain age of the printersection is 360 m, then the chain age of the starting point of the curve 1.325 m 2.355 m 3.335 m	
	✔ 4. 348 m	Question ID : 99836761527 Status : Answered Chosen Option : 4
69 ns	In theodolite work, error in manipulation comes under 1. Instrumental error 2. Natural error 3. Both natural and personal error 4. Personal error	
		Question ID : 99836761522 Status : Answered Chosen Option : 4
).70 Ans	When a sewer line dips below the hydraulic grade line, it is called: 1. clean outs 2. flushing tanks 3. lamphole 4. inverted siphons	247
		Question ID : 99836761546 Status : Answered Chosen Option : 2
ectio	on : General Knowledge	
Q.1 Ans	In November 2019, R Rajagopal has been appointed as the Chief Information which state? 1. Andhra Pradesh 2. Karnataka 3. Kerala 4. Tamil Nadu	ion Commissioner
		Question ID : 99836761578 Status : Answered Chosen Option : 1





	Rigpa (NISR) in which of the following locations?	
ns	X 1. Gangtok	
	🗙 2. Itanagar	
	🗙 3. Darjeeling	
	🖌 4. Leh	
		(
		Question ID : 99836761584
		Status : Answered Chosen Option : 4
Q.3	What is a calorimeter used to measure?	
Ans	X 1. Measures electric current	
	2. Measures quantity of heat	
	X 3. Determines heights and levels	
	X 4. Measures voltage current	
		Question ID : 99836761581
		Status : Answered
		Chosen Option : 2
	~	
	 As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 	Question ID : 99836761576 Status : Answered Chosen Option : 4
Q.5 Ans	 3. Kiran Mazumdar-Shaw 4. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 	Status : Answered Chosen Option : 4
	 3. Kiran Mazumdar-Shaw 4. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 	Status : Answered Chosen Option : 4
	 3. Kiran Mazumdar-Shaw 4. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 	Status : Answered Chosen Option : 4
	 3. Kiran Mazumdar-Shaw 4. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 	A Pradesh?
Ans	 A. Kiran Mazumdar-Shaw A. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 4. Lalji Tandon 	Status : Answered Chosen Option : 4
Ans	 3. Kiran Mazumdar-Shaw 4. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 	Status : Answered Chosen Option : 4
Ans	 3. Kiran Mazumdar-Shaw 4. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 4. Lalji Tandon 	Status : Answered Chosen Option : 4
Ans Q.6	 3. Kiran Mazumdar-Shaw 4. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 4. Lalji Tandon 	Status : Answered Chosen Option : 4
Ans Q.6	 3. Kiran Mazumdar-Shaw 4. Murtaza Khorakiwala As on November 2019, who is the Governor of Madhya 1. Rameshwar Thakur 2. Ram Naresh Yadav 3. Om Prakash Kohli 4. Lalji Tandon 	Status : Answered Chosen Option : 4





		Question ID : 99836761580 Status : Not Answered Chosen Option :
Q.7 Ans	 Who was the first Chief Minister of Punjab? 1. Gurnam Singh 2. Gopi Chand Bhargava 3. Pratap Singh Kairon 4. Ram Kishan 	
		Question ID : 99836761582 Status : Answered Chosen Option : 2
2.8 Ans	 Matheran is a popular hill station of which of the following states? 1. Himachal Pradesh 2. Karnataka 3. Tamil Nadu 4. Maharashtra 	
		Question ID : 99836761575 Status : Answered Chosen Option : 3
Q.9 Ans	 Who among the following has been selected for the Indira Gandhi Prize Disarmament and Development for 2019? 1. Manmohan Singh 2. Angela Merkel 3. Sir David Attenborough 4. M S Swaminathan 	for Peace, Question ID : 99836761583 Status : Answered
.10 .ns	As per the report released in October 2019 by an independent brand val what is India's rank in Brand Finance Nation ranking? 1. 9th 2. 5th 3. 7th 4. 6th	Chosen Option : 1 uation consultancy,
		Question ID : 99836761577 Status : Not Answered Chosen Option :
	on : Reasoning Select the number that will replace the question mark (?) in the followin	n sories

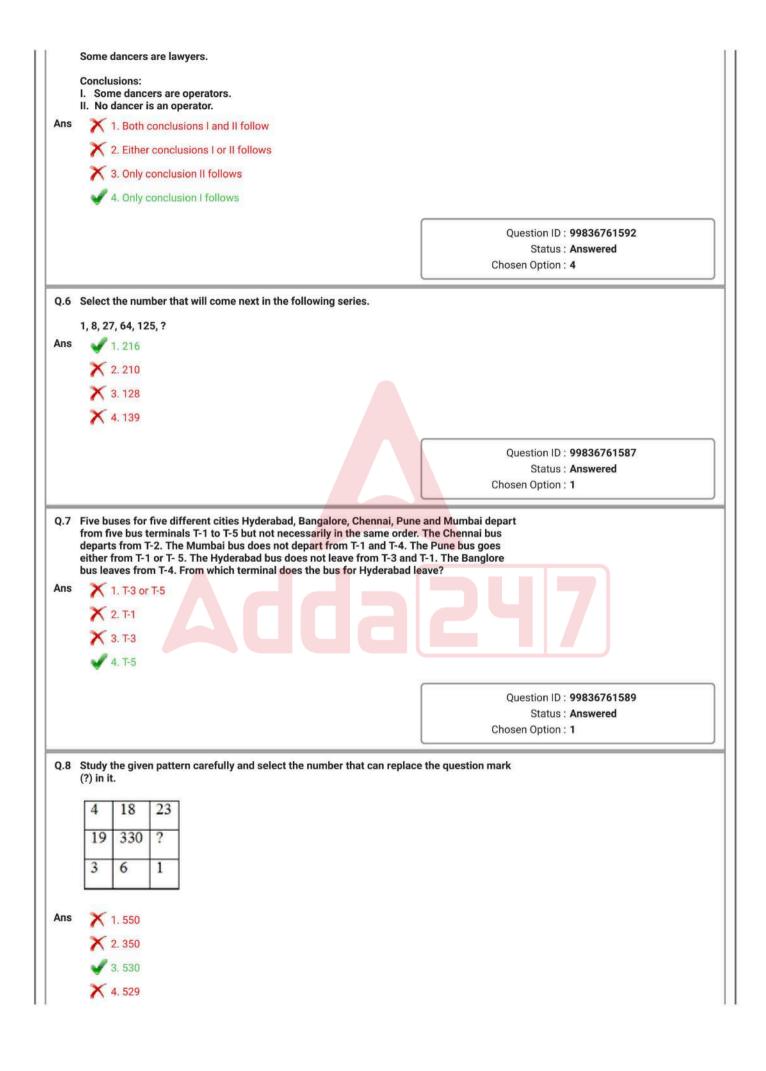




	X 1. 105	
	X 2. 152	
	3 . 121	
	X 4. 150	
		Question ID : 99836761586 Status : Answered
		Chosen Option : 3
_		
2.2	In an art and craft room, 7 students S, T, U, V, W, X and Y are sitting in centre and painting a picture, in the following order:	a circle facing the
	 (i) W is neighbour of S and V. (ii) Y is not between X and U. (iii) X is to the immediate right of S. 	
	What is the position of the student X?	
ns	X 1. Third to the left of U	
	2. To the third right of V	
	\mathbf{X} 3. To the immediate right of T	
	X 4. Third to the right of Y	
		Question ID : 99836761591
		Status : Answered Chosen Option : 2
		chosen option . 2
).3 .ns	Jiva is daughter of Kartik. Kartik has two sons. Adah is daughter of M Kartik's son. Veenu is Prem's mother. Prem is brother of Ashok who is is Adah related to Veenu?	
	X 2. Mother	
	X 3. Sister	
	X 4. Daughter	
		Question ID : 99836761590
		Status : Answered
		Chosen Option : 1
2.4	If a clock strikes 10 in 36 seconds, the time taken to strike 4 at the sa	me rate is:
	If a clock strikes 10 in 36 seconds, the time taken to strike 4 at the sa 1.11 seconds	me rate is:
	X 1.11 seconds	me rate is:
	X 1. 11 seconds X 2. 13 seconds	me rate is:
	 1. 11 seconds 2. 13 seconds 3. 12 seconds 	me rate is:
	X 1. 11 seconds X 2. 13 seconds	me rate is:
	 1. 11 seconds 2. 13 seconds 3. 12 seconds 	Question ID : 99836761594
	 1. 11 seconds 2. 13 seconds 3. 12 seconds 	Question ID : 99836761594 Status : Answered
	 1. 11 seconds 2. 13 seconds 3. 12 seconds 	Question ID : 99836761594
Ans	 1. 11 seconds 2. 13 seconds 3. 12 seconds 4. 10 seconds Read the given statements and conclusions carefully. Assuming that the statements is true, even if it appears to be at variance with complexity of the statements is true.	Question ID : 99836761594 Status : Answered Chosen Option : 2 the information given umonly known facts,
Ans	 1. 11 seconds 2. 13 seconds 3. 12 seconds 4. 10 seconds 	Question ID : 99836761594 Status : Answered Chosen Option : 2 the information given umonly known facts,

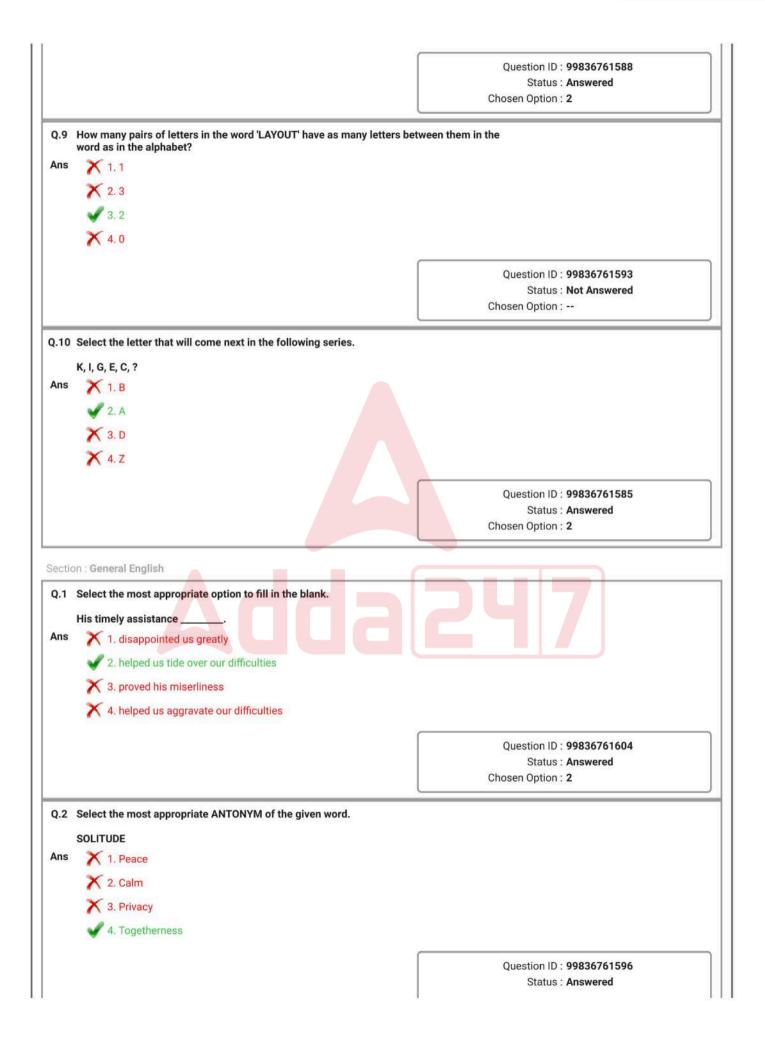
















		<u></u>
). 3	Select the most appropriate articles to fill in the blanks.	
	police have followed number of clues but have drawn	blank.
ns	🗙 1. The; an; an	
	🖌 2. The; a; a	
	🗙 3. A; a; an	
	🗙 4. A; the; the	
		Question ID : 99836761598
		Status : Answered
		Chosen Option : 2
2.4	Select the most appropriate preposition to fill in the blank.	
	There is enough evidence him to prove him guilty.	
ns	🗙 1. from	
	🗙 2. for	
	X 3. through	
	🖌 4. against	
		Question ID : 99836761599 Status : Answered
2.5	Parts of the following sentence are given as options. Identify the part t I have no wish to set myself up as an example from others.	Status : Answered Chosen Option : 4
		Status : Answered Chosen Option : 4
	 I have no wish to set myself up as an example from others. 1. I have no wish 2. to set myself up 3. as an example 	Status : Answered Chosen Option : 4 hat has an error. Question ID : 99836761602 Status : Answered
Ans	 I have no wish to set myself up as an example from others. 1. I have no wish 2. to set myself up 3. as an example 4. from others 	Status : Answered Chosen Option : 4 hat has an error.
Ans	 I have no wish to set myself up as an example from others. 1. I have no wish 2. to set myself up 3. as an example 4. from others 	Status : Answered Chosen Option : 4 hat has an error. Question ID : 99836761602 Status : Answered
۵ns ۵.6	I have no wish to set myself up as an example from others. 1.1 have no wish 2. to set myself up 3. as an example 4. from others Select the most appropriate phrasal verb to fill in the blank. Those who were very keen about the project, in the end.	Status : Answered Chosen Option : 4 hat has an error. Question ID : 99836761602 Status : Answered
Ans Q.6	I have no wish to set myself up as an example from others. 1. I have no wish 2. to set myself up 3. as an example 4. from others Select the most appropriate phrasal verb to fill in the blank. Those who were very keen about the project, in the end. 1. backed in	Status : Answered Chosen Option : 4 hat has an error. Question ID : 99836761602 Status : Answered
Ans Q.6	I have no wish to set myself up as an example from others. 1. I have no wish 2. to set myself up 3. as an example 4. from others Select the most appropriate phrasal verb to fill in the blank. Those who were very keen about the project, in the end. 1. backed in 2. backed down	Status : Answered Chosen Option : 4 hat has an error. Question ID : 99836761602 Status : Answered
Ans Q.6	I have no wish to set myself up as an example from others. ▲ 1.1 have no wish ▲ 2. to set myself up ▲ 3. as an example ▲ 4. from others Select the most appropriate phrasal verb to fill in the blank. Those who were very keen about the project, in the end. ▲ 1. backed in ▲ 2. backed down ▲ 3. backed up	Status : Answered Chosen Option : 4 hat has an error. Question ID : 99836761602 Status : Answered
Ans Q.6	I have no wish to set myself up as an example from others. 1. I have no wish 2. to set myself up 3. as an example 4. from others Select the most appropriate phrasal verb to fill in the blank. Those who were very keen about the project, in the end. 1. backed in 2. backed down	Status : Answered Chosen Option : 4 hat has an error. Question ID : 99836761602 Status : Answered
Ans	I have no wish to set myself up as an example from others. ▲ 1.1 have no wish ▲ 2. to set myself up ▲ 3. as an example ▲ 4. from others Select the most appropriate phrasal verb to fill in the blank. Those who were very keen about the project, in the end. ▲ 1. backed in ▲ 2. backed down ▲ 3. backed up	Status : Answered Chosen Option : 4 hat has an error. Question ID : 99836761602 Status : Answered





