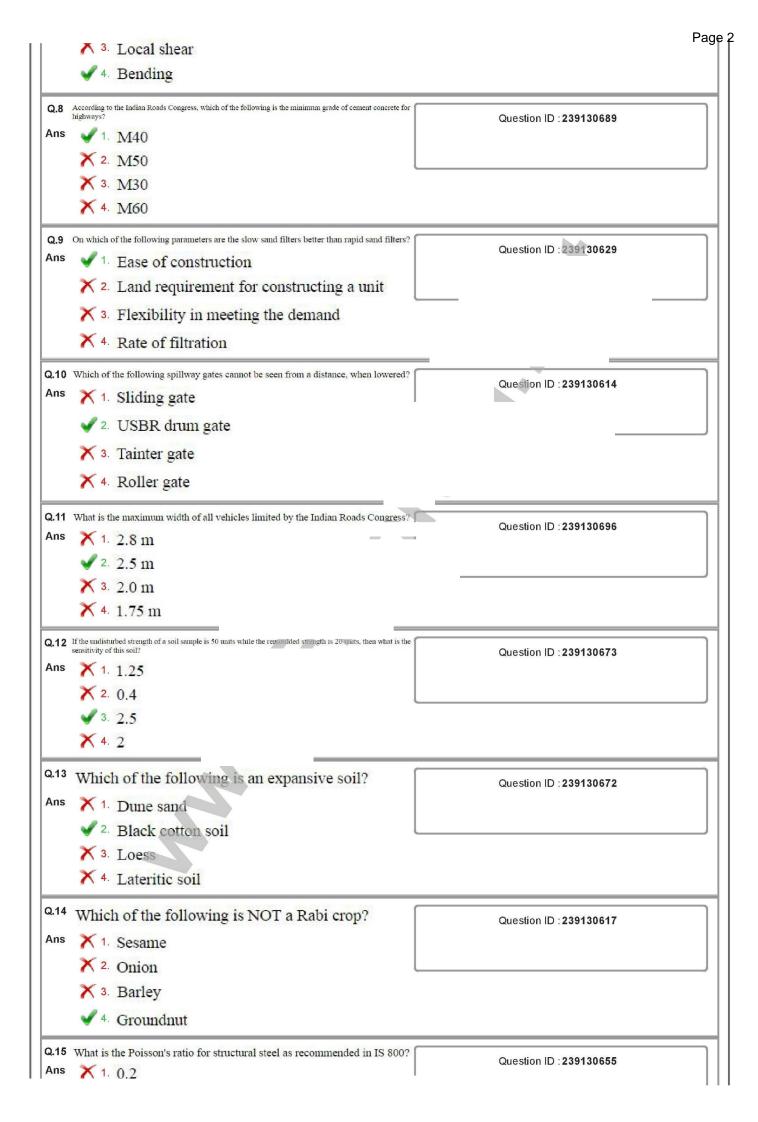
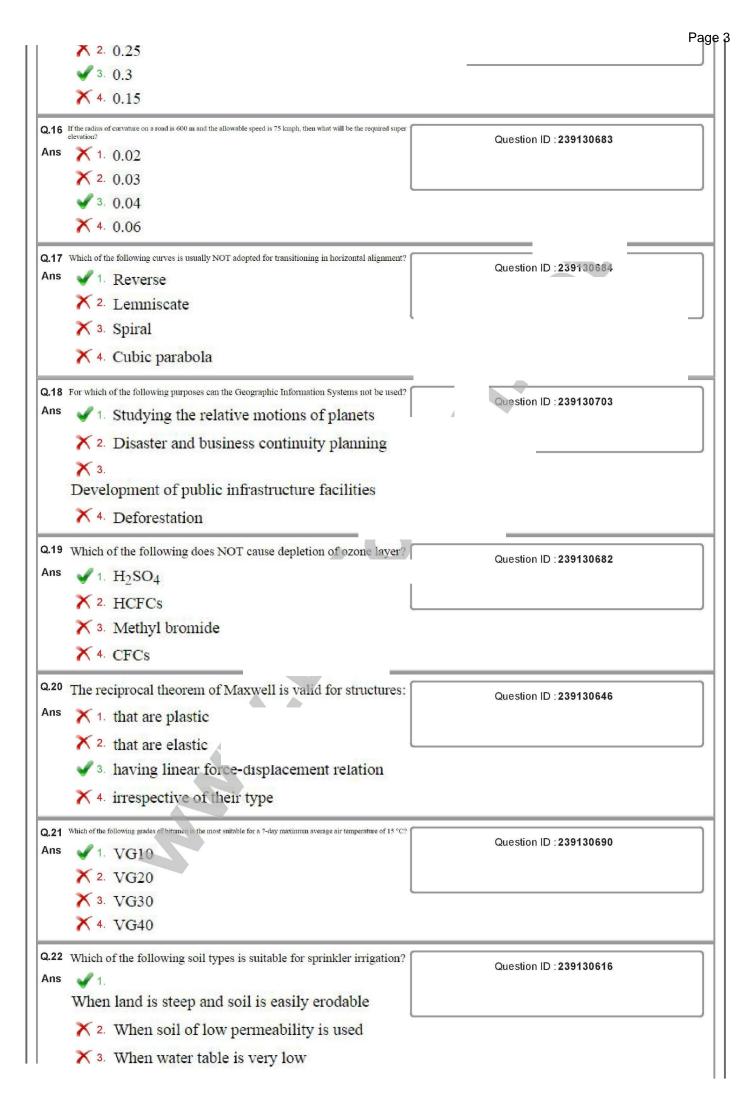


ONLINE APPLICATION FOR MANAGEMENT TRAINEES 2016-17

Section : Professional Knowledge	
Q.1 A series of wells were dug in a confined aquifer. The surface obtained by connecting the scalled as: Ans 1. Piezometric surface 2. Cone of depression	Question ID : 239130620
X 3. Phreatic line V X 4. Perched water table	VWW.ALLEXAMREVIEW.COM
Q.2 What is the major pollutant present in photoch Ans 1. Nitrogen oxide 2. Carbon dioxide	emical smog? Question ID : Z391306/9
✓ 3. Hydrocarbon ✓ 4. Sulphur dioxide	/.ALLEXAMREVIEW.IN
Q.3 Which of the following is NOT a fully non-destructive tes Ans 1. Core 2. Rebound hammer	Question ID : 239130661
 3. Profometer for rebar 4. Ultrasonic pulse velocity 	
Q.4 The fertility of soil starts getting badly impacted when placed with the starts getting badly impacted with the start getting badly in the start getting badly	T of soil exceeds: Question ID : 239130615
Q.5 According to IS 800, in case of structural steel design, the span length of a flexural men system shall be taken as the distance between: Ans 1. diametrically opposite ends of the 2.	Question ID : 239130640
centre to centre of the support + twice the 3. centre to centre of the support 4. edge to edge of the support	eccentricity
Q.6 Which of the following equals the number of unknowns to be determined, in stiffness me Ans 1. Kinectic indeterminacy 2. Static indeterminacy	thod of structural analysis? Question ID : 239130647
 3. Kinematic indeterminacy 4. Sum of static and kinematic inde 	terminacy
Q.7 Which of the following is NOT a recognized failure type of soil as support beneath the found deformations associated with the load and the extent of development of failure surface? Ans 1. General shear 2. Punching shear	dations, depending upon the Question ID : 239130635





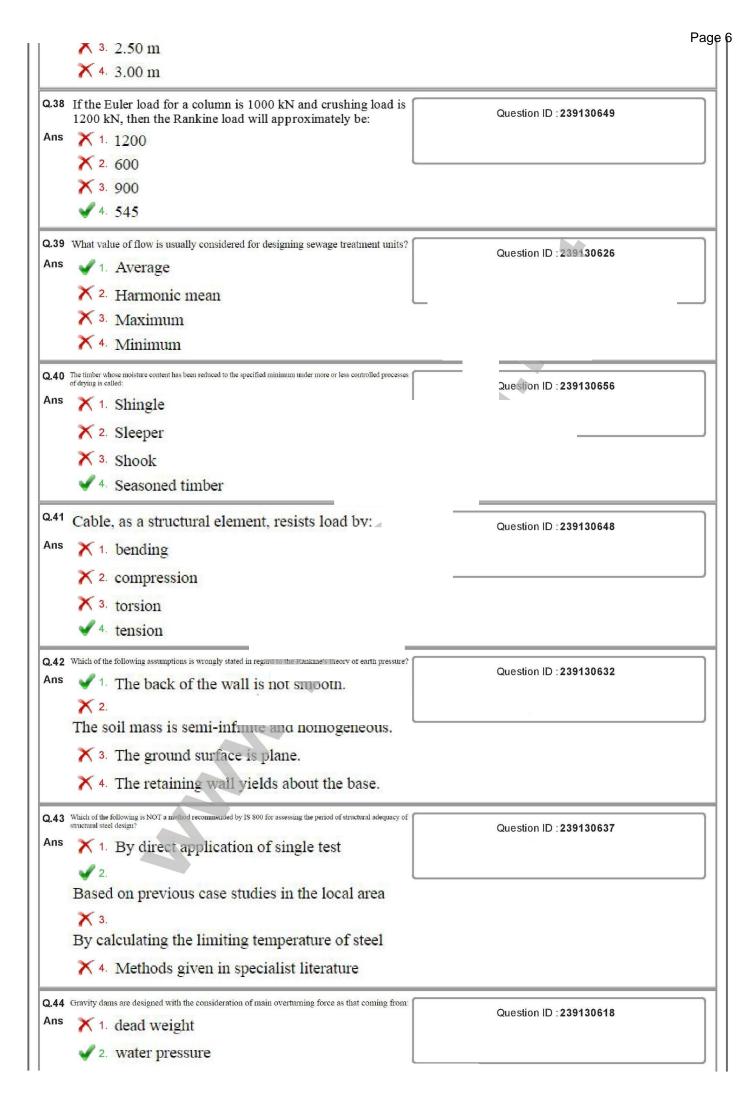
Q.30 The net intensity of loading which the foundation will carry without undergoing settlement in excess or the permissible value for the structure under consideration but not exceeding net safe bearing capacity is termed as:

4. inversely

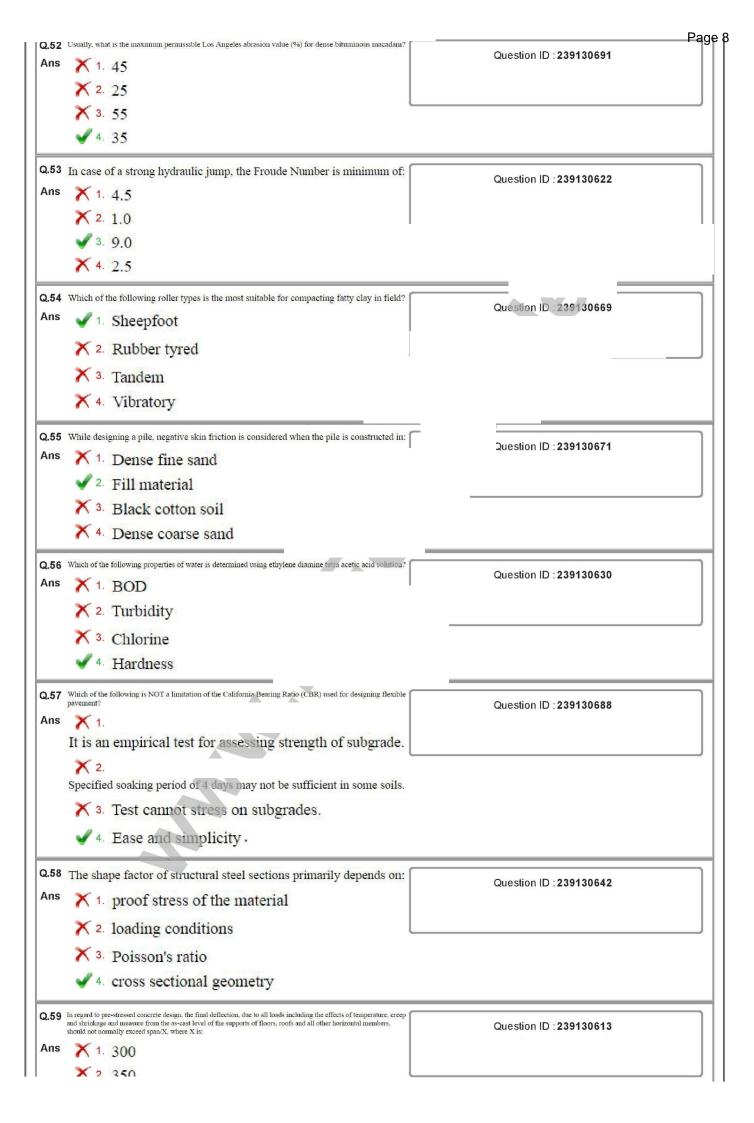
Ans

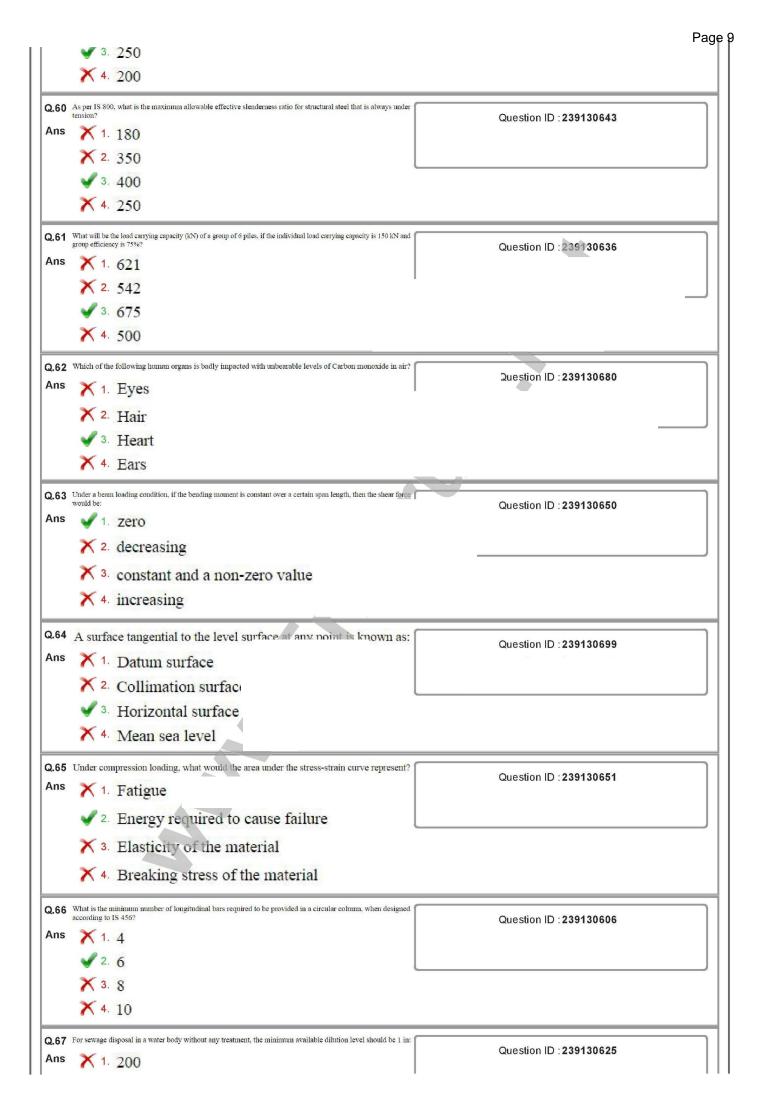
Question ID: 239130634

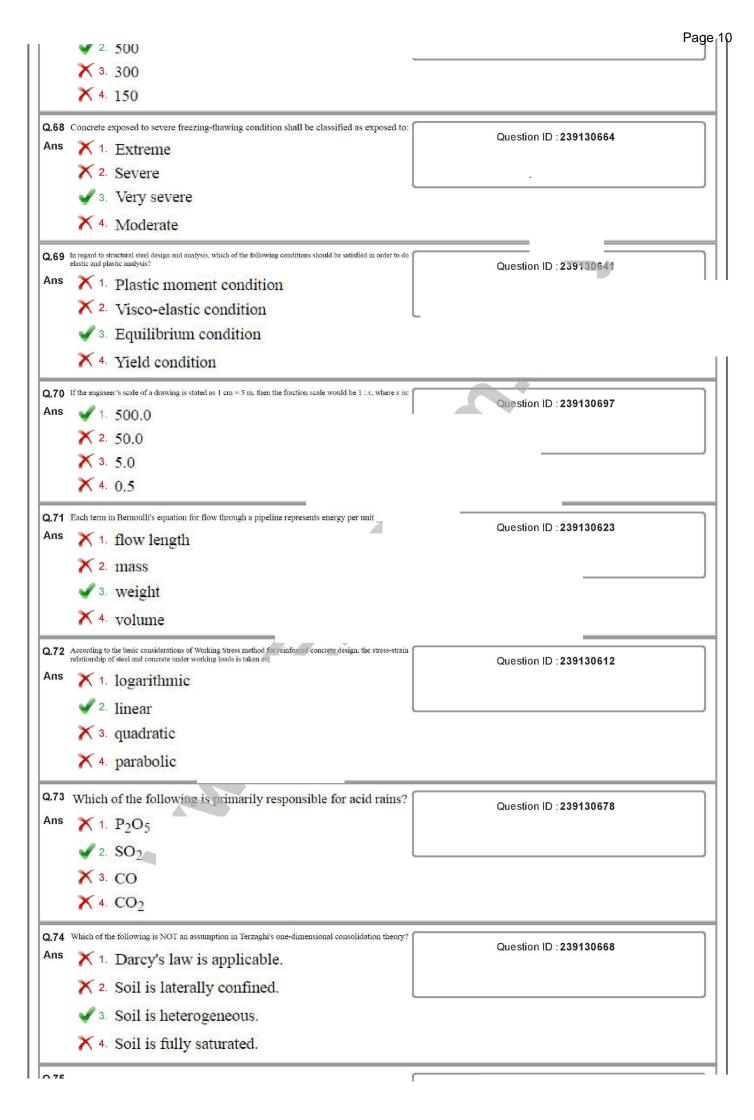
ı	★ 1. Net loading intensity	Pag	је 5
	✓ 2. Allowable bearing capacity		
	X 3 Safe bearing capacity		
	★ 4. Ultimate bearing capacity		
Q.31	What will be the estimated value of modulus of elasticity (GPa) for a concrete of compressive strength 25 MPa?	Question ID : 239130662]
Ans	X 1. 30	Q3333311.12 1.23313332	
	✓ 2. 25		
	3. 27.5		
	X 4. 32.5		4
Q.32	An engineer is designing a two-phase traffic signal system with an all-red time for pedestrian crossing as $15 s$. If Webster's method is used, then what will be the total lost time?	Question ID :239130692	
Ans	✓ 1. 19 s		
	× 2. 15 s		
	× 3. 17 s		
	× 4. 13 s		
Q.33	What is the maximum allowable water absorption (%) of Indian burnt brick of class 20?	Question ID : 239130665	11
Ans	√ 1. 15	Q40546111B 125516566	
	× 2. 5		
	× 3. 10		
	★ 4. 20		╝
Q.34		Question ID : 239130666	
Ans	X 1. 250		
	× 2. 415		
	X 3. 550		
	√ 4. 500		41
Q.35	In photogrammetric surveying, the stereoscopic view in which the overlaps are kept outwards and in which natural order is reversed is called:	Question ID : 239130701	
Ans	1. Orthoscopic view		
	✓ 2. Pseudoscopic view		
	X 3. Perspective view		
	★ 4. Parallitic view		
Q.36	Which of the following is a reason for using pile caps over a group of piles?		11
Ans	✓ 1.	Question ID : 239130676	
	For spreading vertical and horizontal loads to all piles		
	X 2.		
	For protecting piles from displacing laterally		
	★ 3. For protecting piles from rising up		
	X 4.		
	For enhancing the load bearing capacity of each pile		
Q.37	What is the IRC recommended width of a single lane carriageway?	Question ID : 239130685	11
Ans	X 1. 3.50 m	24554011 ID . 24410400	
	✓ 2. 3.75 m		

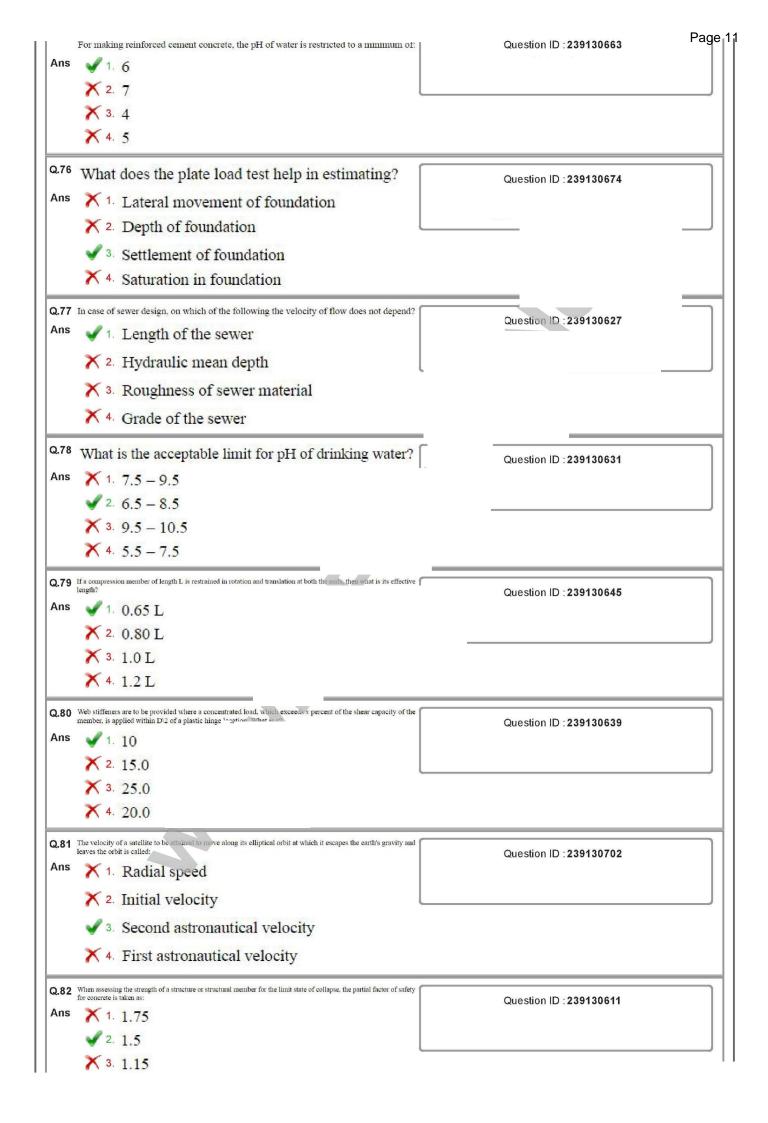


	★ 3. wind pressure	'	Pag
	★ 4. uplift pressure		
			_
Q.45 Ans	Which of the following is NOT an ideal figure for triangulation survey?	Question ID : 239130700	
Alis	X 1. Regular polygons		
	✓ 2. Triangle with one of the angle as 25°		
	✗ 3. Equilateral triangle of sufficient length		
	★ 4. Braced quadrilaterals with squares		
Q.46	While designing reinforced cement concrete wall carrying inplane loads, what is the permissible ratio of effective height to thickness?	Question ID : 239130609	$\overline{\neg}$
Ans	X 1. 20	Question is .zec1eass	
	X 2. 25		J
	✓ 3. 30		
	★ 4. 35		
Q.47	A simply supported reinforced cement concrete beam shall be deemed to be a deep beam, if its effective span to depth ratio is less than:	Question ID : 239130605	$\overline{\neg}$
Ans	X 1. 3.00	.20010000	
	× 2. 2.50		
	× 3. 1.50		
	√ 4. 2.00		
	Which of the following combinations of factors is used for determining allowable bearing capacity of a foundation?	Question ID : 239130675	٦
Ans	✓ 1. Settlement, shear failure		
	★ 2. Tensile failure, compression failure		
	X 3. Settlement, tensile failure		
	X 4. Settlement, bond failure		
Q.49	If the plasticity index of a soil is 45%, then the soil will be:	Question ID : 239130677	$\overline{\neg}$
Ans	X 1. with medium plasticity	Question 15 . 200 1000 17	
	✓ 2. with high plasticity		
	X 3. non-plastic		
	★ 4. with low plasticity		
	and the second s		
Q.50	A hydrological study conducted in a small lown revealed that the intensity of rainfall is more than the infiltration capacity of soil. The infiltration rate in this case will be:	Question ID : 239130621	
Ans	× 1. > rate of rainfall		
	✓ 2. = infiltration capacity		J
	× 3. = rate of rainfall		
	★ 4. > infiltration capacity		
Q.51	As compared to lime soda process, the zeolite process:	Question ID : 239130628	$\overline{\gamma}$
Ans	X 1. leads to large quantity of sludge formation	Question D . 203 100020	
	× 2. requires careful and skilled supervision	·	
	× 3. is bulky		
	✓ 4 is costlier		









X 4. Amount depends on tendered amount

