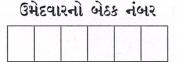
પ્રશ્નપુસ્તિકા નંબર 300061

CEGBU-2024





કુલ પ્રશ્નો : 100 કુલ ગુણ : 100

Total Que. : 100 Total Marks : 100

Time : 120 Minutes



તમને સૂચના આપવામાં ન આવે ત્યાં સુધી પ્રશ્નપુસ્તિકા ખોલવી નહી.

: 120 મિનિટ

(01) આ પ્રશ્નપત્રમાં કુલ 100 પ્રશ્નો છે. પ્રત્યેક પ્રશ્નનો ઉત્તર A, B, C અને D પૈકી કોઇ એક છે. ઉમેદવાર જો જવાબ ન આપવા માંગતા હોય તો તેના માટે OMR ઉત્તરપત્રમાં વિકલ્પ E આપેલ છે. બધા જ પ્રશ્નોના ઉત્તર આપવા ફરજીયાત છે. આ સાથે અલગ આપેલ OMR ઉત્તરપત્રમાં જ ઉત્તર આપવાના છે.

ઉદાહરણ તરીકે :

ભારતના રાષ્ટ્રપિતા તરીકે કોણ ઓળખાય છે?

- A) સરદાર પટેલ
- B) સુભાષચંદ્ર બોઝ
- C) મહાત્મા ગાંધી
- D) વિનોબા ભાવે

ઉત્તરપત્ર (OMR SHEET) માં.







ઉપર્યુક્ત ઉદાહરણનો જવાબ "C" છે. આથી "C" નું વર્તુળ ઘાટું (encode) કરેલ છે. સાચી અને ખોટી પદ્ધતિથી વર્તુળ ઘાટું કરવા બાબતની સૂચના OMR માં આપેલ છે જેની નોંધ લેવી.

- (02) 1 થી 100 પ્રશ્નો પુરેપૂરા છપાયેલા છે કે કેમ તેની પ્રથમ ખાતરી કરી લો. જો પ્રશ્નો પૂરા છપાયા ન હોય અથવા કોઇ પૃષ્ઠ ફાટેલું હોય કે કોઇ પૃષ્ઠ સામેલ ન હોય અથવા તો અન્ય કોઈ ક્ષતિ જણાય તો તરત જ નિરીક્ષક પાસેથી પ્રશ્નપુસ્તિકા અચૂક બદલાવી લેવી.
 - ઉમેદવારને OMR ઉત્તરપત્ર મળ્યા બાદ જો તેઓ દ્વારા તેનો નાશ કરવામાં આવશે કે ગુમ કરવામાં આવશે તો તે ઉમેદવારને ગેરલાયક ઠરાવવામાં આવશે.
- (03) પરીક્ષા શરૂ થયેથી ઉમેદવાર અધવચ્ચેથી પરીક્ષા ખંડ છોડી શકશે નહી.
- (04) ઉમેદવારે પોતાના બેઠક ક્રમાંકની પ્રશ્નપુસ્તિકા અને OMR ઉત્તરપત્ર મળેલ છે તેની ખાતરી કરી લેવી અન્યથા ખંડ નિરીક્ષકનું તરત જ ધ્યાન દોરવું. ઉમેદવારને OMR ઉત્તરપત્ર મળે કે તરત જ તેમાં નિયત કરેલ જગ્યાએ પોતાનો બેઠક ક્રમાંક સ્વચ્છ અક્ષરે લખવાનો રહેશે તેમજ બેઠક ક્રમાંક નીચે આપેલ વર્તુળ પણ ઘાટું (encode) કરવાનું રહેશે. મળેલ પ્રશ્નપુસ્તિકાનો કોડ નિયત જગ્યાએ લખીને તેની સાથે આપેલ વર્તુળ પણ ઘાટું (encode) કરવાનું રહેશે. લખેલી વિગતો અને ઘાટું (encode) કરેલ વર્તુળની વિગતો યોગ્ય રીતે ભરાયેલ છે તેની ખાતરી કરી લેવી.

- (05) પ્રત્યેક સાચા જવાબદીઠ 1 (એક) ગુણ મળવાપાત્ર થશે. ગુણાંકન પધ્ધતિમાં માઇનસ પધ્ધતિ રાખવામાં આવી છે. જે મુજબ પ્રત્યેક ખોટા જવાબદીઠ, ખાલી છોડેલ જવાબદીઠ, છેકછાક કરેલ હોય તેવા જવાબદીઠ તથા OMR માં જણાવ્યા પ્રમાણેની ખોટી પદ્ધતિથી કે એક કરતાં વધુ વિકલ્પ દર્શાવેલ જવાબદીઠ 0.25 ગુણ કાપવામાં આવશે. જો ઉમેદવાર જવાબ આપવા માંગતા ન હોય અને વિકલ્પ (E) ઘાટું (encode) કરશે તો 0.25 ગુણ કાપવામાં આવશે નહિં.
- (06) OMR ઉત્તરપત્રમાં નિશ્ચિત જગ્યા સિવાય ઉમેદવારે પોતાનો બેઠક ક્રમાંક લખવો નહીં તથા પોતાની ઓળખ છતી થાય તેવી નામ કે અન્ય કોઇ પણ પ્રકારની નિશાની દર્શાવવાની સખત મનાઇ છે. તેમ છતાં પણ કોઇ પણ નિશાની કે ઓળખ કર્યાનું માલ્મ પડશે તો તેને સંપૂર્ણ ગેરશિસ્ત ગણવામાં આવશે અને પરીક્ષા માટે ગેરલાયક ગણવામાં આવશે.
- (07) ઉત્તરપત્ર (OMR SHEET) માં ઉમેદવાર તથા નિરીક્ષક બંનેની સહી ફરજિયાત છે. બંનેની સહી વિનાની OMR SHEET (ઉત્તરપત્ર) વાળા ઉમેદવાર ગેરલાયક ઠરશે.
- (08) પરીક્ષા દરમ્યાન ઉમેદવાર પાસેથી કોઇ પણ સાહિત્ય, માર્ગદર્શિકા, કાપલી, અન્ય હસ્તલિખિત કે પ્રિન્ટેડ સાહિત્ય, મોબાઇલ ફોન, પેજર, કેલક્યુલેટર, બ્લુટુથ, સ્માર્ટ વોચ કે અન્ય વીજાણુ ઉપકરણો હોવાનું જણાશે તો ઉમેદવારને ગેરલાયક ગણવામાં આવશે.
- (09) આ જવાબવહી કોમ્પ્યુટર દ્વારા તપાસાવાની હોવાથી તે વળે, ફાટે કે બગડે નહિ તેની ખાસ કાળજી રાખવી તથા જવાબવહીની ગડી વાળવી નહીં.
- (10) પ્રશ્નપુસ્તિકામાં કોરી જગ્યામાં રફ કામ કરવું. તે માટે અલગ કાગળ આપવામાં આવશે નહીં. જવાબવહીમાં કઇ પણ રફ વર્ક કરવું નહીં. પ્રશ્નપુસ્તિકામાં જવાબો લખવાની મનાઇ છે.
- (11) પ્રશ્નપુસ્તિકામાં કોઈ પૃષ્ઠ ફાડવા કે જુદાં કરવાની મનાઇ છે.
- (12) ચાલુ પરીક્ષા દરમ્યાન અંદરોઅંદર ગુસપુસ કરવી, અવાજ કરવો કે નિરીક્ષકની સૂચનાઓનું ઉલ્લંઘન કરવું કે અન્ય કોઈ ગેરરીતી કરવી તે ગેરશિસ્ત ગણાશે.
- (13) ઉમેદવારે ભૂરી/કાળી બોલપોઇન્ટ પેનથી ઉત્તરો લખવાના છે. અન્ય શાહી કે પેન કે પેન્સિલ તથા સફેદ શાહીનો ઉપયોગ કરી શકાશે નહીં તથા સફેદ શાહી (White Ink), બ્લેડ કે રબ્બરથી કે અન્ય કોઇ પણ રીતે પ્રશ્નના જવાબમાં કરેલા સુધારા માન્ય ગણાશે નહીં.

પરીક્ષા આપનાર ઉમેદવારે ઉત્તરપત્ર (OMR SHEET) વર્ગનિરીક્ષકને પરત કર્યા બાદ જ વર્ગખંડ છોડવાનો રહેશે. તેમ કરવામાં કસૂર થયેથી શિસ્તભંગના પગલાં ગણી પરીક્ષા માટે ઉમેદવારને ગેરલાયક ઠેરવવામાં આવશે.



008.	Fundamental Duties were included in the Constitution on the recommendation of which of the following committee?				
		Swaran Singh Committee			
	(B)	Santhanam Committee Shah C	comm	ittee	
	(C)	J. B. Kripalani Committee	- Carrie	Libergio faccione (3)	
	. ,	None of the given			
009.	Scis	sors : Cloth :: Axe : ?			
	(A)	Wood	(B)	Grinder	
	(C)	Stone	(D)	Brick	
010.	resp	ective vehicles. Aakash is drivir	ng at 8	Ahmedabad to Rajkot in their 80 kmph while Aman is operating Aman to reach Rajkot if Aakash	
	(A)	4 hrs	(B)	2 hrs	
	(C)	2 hours and 45 minutes	, ,	None of the given	
011.	Wha	at are the two categories of cells	whic	h nervous system is made up of?	
	(A)	Gastric chief cell, Parietal cell			
	(B)	Satellite cell and Boettcher cel	1		
	(C)	Neurons and Glial cells			
	(D)	Tendon cell and Macula densa	cell		
012.	The	concept of ICT is related to			
	(A)	storing digital information	(B)	recording digital information	
	(C)	sending digital information	(D)	All of the given	
013.	Give	e synonym of the following wor	d: "A	udacity"	
	(A)	Courage	(B)	Accurate	
	(C)	Rude	(D)	Cowardice	
014.		e antonym of the following word	d: "Ba	arrier"	
	(A)	Fertile	, ,	Obstacle	
	(C)	Assistance	(D)	Barricade	
015.	With	reference to higher education,	E star	nds for what in NMEICT?	
	(A)	E-content	(B)	Education	
	(C)	Equal	(D)	None of the given	

016.	Wh	Which of the following is an online store house of all academic awards				
	like	e certificates, diplomas, degre	es mark	sheets etc.?		
	(A)	SWAYAM				
	(B)	National Digital Library				
	(C)	National Academic Library	7			
	(D)	National Academic Deposi	tory			
017.	The	fourth vertical of HECI will	be the _	, which will frame		
	exp	ected learning outcomes for l	nigher e	ducation programmes, also		
	refe	rred to as 'graduate attributes	s'.			
	(A)	National Accreditation Cou	ncil	entario de la companya de la company		
	(B)	Higher Education Grants C	ouncil			
	(C)	National Higher Education	Regulat	ory Council		
	(D)	General Education Council				
018.	NEI	2020 stated to establish a N	ational l	Repository of high-quality		
				imeracy on Government Digital		
		forms. What is the name of the				
		DIKSHA	(B)	DISHA		
	(C)	NISHTHA	(D)	SHIKSHA		
019.	If the	e administrative authority wi	thin a de	epartment is vested in a single		
		vidual, then that system is know				
	(A)	Board	(B)	Bureau		
	(C)	Commission	(D)	None of the given		
020.	Whi	ch of the following act prohib	oits the i	mproper use of State Emblem of		
		for professional and comme				
	(A)	The State Emblem of India		() [[[[[[[[[[[[[[[[[[[
	(B)	The National Emblem of Inc				
	(C)			f State Emblem of India Act,		
	(D)	None of the given		lama (3)		

Which of the following is correct as per rule 141A of General Financial 021. Rules (GFR), 2005? (A) GeM may be utilized by Government buyers for direct online purchases upto Rs. 1,00,000/- through any of the available supplier on the GeM. meeting the requisite quality, specifications and delivery period; GeM may be utilized by Government buyers for direct online purchases upto Rs. 5,00,000/- through any of the available supplier on the GeM. meeting the requisite quality, specifications and delivery period: (C) GeM may be utilized by Government buyers for direct online purchases upto Rs. 50,000/- through any of the available supplier on the GeM, meeting the requisite quality, specifications and delivery period; (D) None of the given 022. An appointment to any service or post included in the State service shall be made by the State Government or by an authority duly empowered in that behalf by the State Government (A) on the result of a competitive examination held for the purpose (B) by promotion or transfer (C) by direct selection (D) All of the given 023. Qualifying service for the purpose of pension of a government employee does not include as per Gujarat Civil Service (Pension) Rules, 2002. (A) Service on fixed pay basis (B) Service as an apprentice (C) Service on contract basis (D) All of the given As per Gujarat State Biotechnology Policy, indicative list of Ecosystem 024. strengthening projects includes (A) Genome Sequencing (B) Plug and Pay facilities (C) Clinical Testing including Animal Testing Facilities (D) All of the given 025. Who is the Director General of Gujarat Biotechnology University? (A) Shri Dilip Shanghvi (B) Shri Sudhir Vaid (C) Dr. Subeer S. Majumdar (D) Dr. J. C. Lilani

CEGB	U-2024 - A]	[6]	[Contd
	(C) 2/3	(D)	4/3
	(A) 2	(B)	3/2
033.	The ratio of maximum cross section of beam	m shear stress to ave	rage shear stress in a circular
	(C) Le-chatelier me		Autoclave method Vicat's apparatus
032.	Which apparatus/me (A) Compaction fac		mine setting time of cement?

034.	The slope of bending moment diagram represents				
	(A) Maximum bending mon	ent (B) Maximum shear force			
	(C) Shear force	(D) Bending moment			
035.		ing span L between supports and overhang If a UDL 'w' is applied on length L/2 on eaction at support A will be (B) wL (D) Zero			
036.	The number of members (m) truss is given by	and number of joints (j) in a plane perfect			
	(A) $m = (3j - 3)$	(B) $j = (2m - 3)$			
	(C) $m = (2j - 3)$	(D) $j = (3m - 2)$			
037.	What would be the moment of base, if b is base width and h	는 보통 1 kg 등 시간 등 기계 등 기			
	(A) $bh^3/12$	(B) $bh^3/3$			
	(C) $bh^3/36$	(D) $bh^3/48$			
038.	The shape of bending momented is subjected to a moment	t diagram for a cantilever beam, whose free will be			
	(A) Rectangle	(B) Triangle			
	(C) Trapezium	(D) Parabolic			
039.	As per IS 456:2000 designativarying from M 25 to M 55 is	on, concrete having characteristic strength s known as			
	(A) Nominal Concrete	(B) Standard Concrete			
	(C) Normal Concrete	(D) High strength Concrete			
040.	Minimum grade of concrete i	n prestressing is			
	(A) M15	(B) M25			
	(C) M35	(D) M50			
041.	Which is not a property of ce	ment?			
	(A) Workability	(B) Soundness			
	(C) Setting time	(D) Consistency			
042.	A minimum cover thickness	provided in footing is			
	(A) 40 mm	(B) 50 mm			
	(C) 60 mm	(D) 70 mm			

043.	sup	support of a fixed beam loaded by UDL				
	(A)		(B)	Maximum, zero		
	(C)	Zero, Minimum	,	Zero, Maximum		
044.	The	degree of static indetermin	nacy of the	e rigid portal frame having one		
	inter	rnal hinge is		aid impage to Marentine		
	(A)		(B)	3		
	(C)	4	(D)	5		
045.	How	much percent value of pro	obability o	of not being exceeded during the		
	entir	e life of structure can be de	efined as c	characteristics load		
		80 percent	(B)	85 percent		
	(C)	90 percent	(D)	95 percent		
046.	The	covering stone, concrete pl	aced on th	ne exposed top of a wall to		
		ent seepage of water is				
		Coping	(B)	Throating		
	(C)	Corbel	(D)	Cornice		
047.	Whic	ch of the following masonr	y bond ha	ve same appearance both in front		
	tace	and in the back face?		on guideling less self and and		
		English bond	(B)	Single Flemish bond		
	(C)	Double Flemish bond	(D)	Dutch bond		
048.	The p	portion of brick obtained by	y cutting t	he brick lengthwise into two		
	portio		(D)	uest 9002, act is a second of the		
		King closer	. ,	Queen closer		
	(C)	Mitred closer	(D)	Bevelled closer		
049.	The s	loping member which sup	ports the s	tep in a stair is		
	(A)		(B)	Newel post		
	(C)	Baluster	(D)	Stringer		
050.	Whic	h of the following roof is c	ombinatio	on of King post truss and Queen		
	post t	russ?				
	(A)	Mansard roof truss	(B)	Bel-fast roof truss		
	(C)	Composite roof truss	(D)	North light truss		
051.	The lo	ocation of various natural f	eatures lik	xe, river, ponds, woods etc, are		
	shown	n in				
		Hydrographic survey	(B)	Cadastral survey		
	(C)	Topographical survey	(D)	Geological survey		

052.	The	e following readings were take	en on th	e change point or turning point
	(A)	Back sight and Intermediate	sight	e change point of turning point
	(B)		518110	
	(C)		sight	
	(D)		0.8.10	
053.	Ide	al transition curve is also know	vn as	
	(A)	Clothoid curve	(B)	Cubical curve
	(C)	Parabolic curve	(D)	Hyperbolic curve
054.	Rea	d the following statements in	relation	of curve
	1.	A curve consists of two circ	ılar arc	s of equal or different radii
		turning in opposite direction	with a	common tangent at the junction
		of the arc is known as revers	se curve	e common tangent at the junction
	2.	A curve of varying radius is		
	3.	A compound curve is a comb	pination	of two circular curves of
		different radii	alae sp	
	Wh	ch option is correct?		
	(A)	1 and 2 are true	(B)	1 and 3 are true
	(C)	2 and 3 are true	. ,	1, 2 and 3 are true
055.	In a	closed traverse, the algebraic	sum of	departure and latitude must be
	equa	al to		
	(A)		(B)	90°
	(C)	180°	(D)	360°
056.	The	water surface joining the stati	c levels	in several non-pumping wells
	pene	etrating a continuous confined	aquifer	s represents
	(A)	Water-table surface	aquitor	s represents
	(B)	Capillary fringe		
	(C)	Piezometric surface of the aq	uifer	mo U.@a (Va)
	(D)	Physical top surface of the ac		ans 88 (3)
057.	The	volume of water that can be e	ytracted	by force of gravity from a unit
	volu	me of aquifer material is calle	d	toy force of gravity from a unit
		Specific retention		Specific yield
	(C)	Specific storage	(D)	
	()	1	(D)	specific capacity
058.	Whi	ch of the following is NOT a c	lirect st	ream flow determination
	techi	nique?		33333333333
	(A)	Dilution method	(B)	Ultrasonic method
	(C)	Area-velocity method	(D)	Slope-area method

059.	A catchment area consists of 30% area with runoff coefficient 0.4 with remaining 70% area with runoff coefficient of 0.6. The equivalent runoff coefficient of the catchment will be			
		0.48	(B)	0.54
	(C)			0.76
060.	rese If th orig	ervoir is 100 sq-km and	has a sedimen	20 ha-m. The drainage area of the t delivery rate of 0.10ha-m/sq-km. 80% the annual percentage loss of 1.11%
		1.74%	(D)	
	(0)		(D)	0.2670
061.	Mat	ch list-1 and list-2 and List-1	which option	is correct? List-2
	A	Aquiclude 1. Contain	s water and als	so transmit water
	B. A	Aquifer 2. Contain	s water but car	n transmit water at very low rate
	C. 1	Aquifuge 3. Contain	s water but car	n not transmit water
	D. A	Aquitard 4. Neither	porous nor per	meable to water
	(A)	A-1, B-2, C-4, D-3	(B)	A-2, B-1, C-4, D-3
	(C)	A-2, B-3, C-4, D-1	(D)	A-3, B-1, C-4, D-2
062.	A ly	simeter is used to meas	sure	
	(A)	Infiltration	(B)	Evaporation
	(C)	Evapotranspiration	(D)	Surface runoff
063.	The	haga mania da fa	. 100 1	
003.	the c	oase period of a particula delta is about	ir crop is 120 da	ys. If the duty is 1500 ha per cumec,
	(A)		(B)	138 cm
	(C)	35 cm	(D)	
064.	W/h:	ob of the fallers in a state	,	
004.		ch of the following star		
	(A)	alignment	num number o	of cross-drainage work in its
	(B)	Base period of crop is	slightly more	than the crop period
	(C)			capacity – Wilting point
	(D)			the ratio of the quantity of water
	` '			of water diverted into canal from
		the offtake point	1	and an orted into canar from

065	11 71.	-4					
065.	ecc	What will be the compressive stress at the heel of the dam when eccentricity = one sixth of bed width					
		Positive value	(B)	Negative value			
		Zero		Can be positive or Negative			
066.	Wh	en drainage is passing		al such that highest flood level of			
	drai	nage is above the bed	level of canal,	the cross-drainage work is termed			
	as						
	(A)		(B)	Syphon aqueduct			
	(C)	Super passage	(D)				
067.	The	ratio of mass density	of a fluid to ma	ss density of water is termed as			
	(A)	Specific gravity		Specific weight			
	(C)	Specific volume	(D)	Specific surface			
068.	Whi	ch of the following in	strument will no	ot be used to obtain the discharge			
	in a	pipe directly?		constituev (A)			
		Venturi meter	(B)	Orifice meter			
	(C)	Rota meter	(D)	Pitot tube			
069.	If y=	= Depth of flow, $y_n = N$	Normal depth of	flow, $y_c = Critical depth of flow$			
	Whi	ch condition is true for the flow?	r the developme	ent of M ₁ profile in case of open			
	(A)	$y > y_n > y_c$	(B)	$y_n > y > y_c$			
		$y < y_n < y_c$		$y_n > y_c > y$			
070.	The term	depth of flow after for	rmation of hydra	aulic jump in an open channel is			
	(A)	Initial depth	(B)	Final depth			
	(C)	Sequent depth	(D)	Alternate depth			
071.	Whic	ch of the following is	NOT a reaction	turbine?			
	(A)	Francis turbine		Pelton wheel			
	(C)	Kaplan Turbine	(D)	Propeller turbine			
072.	Air v	essel is used in recipr	ocating pump to	o obtain			
		Reduction in suction					
		Rise in delivery head					
		Continuous supply of		m rate			
	(D)	Increase in supply of	water	80.10			

073.	(A) (B) (C) (D)	The value of void ratio can be The porosity can not exceed 10	volur greate 00%	me of solid is termed as porosity
074.	The	ratio of plasticity index of soil t	o flov	w index of soil is termed as
	(A)	Liquidity index	(B)	Consistency index
	(C)	Toughness index	(D)	Shrinkage index
075.		ch of the following instrument ight of the soil	s used	d to determine the bulk unit
	(A)	Pycnometer	(B)	Core cutter
	(C)	Triaxial apparatus	(D)	Sand bath apparatus
076.	Whi	ich of the following factor does	not af	fect the permeability of soil?
	(A)	Void ratio	(B)	Viscosity of water
	(C)	Particle size	(D)	Surface tension of water
077.	1. 2. 3. Whi	d the following sentences for the Flow lines and equipotential line. The discharge passing through The fields are almost square in the option is correct? 1 and 2 are true 2 and 3 are true	each shap	re orthogonal to each other flow channel is not constant
078.		decrease in void ratio per unit in ned as	ncreas	se in effective stress of soil is
	(A)	Coefficient of volume change	(B)	Degree of consolidation
	(C)	Coefficient of compressibility	(D)	Time factor
079.	Whi	ich is NOT a merit of triaxial she	ear te	st over direct shear test?
	(A)	The stress distribution on failu	re pla	ne is uniform
	(B)	The changes in pore pressure of	an be	e measured directly
	(C)	•		veakest plane
	(D)	The apparatus is cheap and sin	nple	one one of the second in a single
080.	havi (A)	at would be critical height of unsing cohesion = 40 kN/m ² and bu 4.0 m 1.0 m	lk un: (B)	
			(2)	

081.	The reduction of volume of partially saturated soil because of expulsion of air with unaltered water content is termed as					
		Compaction		Consolidation		
	(C)	H - B - B - B - B - B - B - B - B - B -	(D			
082.	The	e maximum gross pressure which sing shear failure is called	ch the	soil can carry safely without		
	(A) (C)	Ultimate bearing capacity Safe bearing capacity		Net Ultimate bearing capacity Net safe bearing capacity		
083.	wid	en the ground water table is loc th of footing, the ultimate beari	ated a	at a depth equal to greater than pacity is		
		Reduced	(B)	Not affected		
	(C)	Increased	(D)	Reduced by 50 %		
084.	Whund	en hard stratum does not exist a er this condition is	t a rea	asonable depth the pile suitable		
	(A)	End bearing pile	(B)	Friction pile		
	(C)	Combined pile	(D)	Tension pile		
085.	The inve	reduction in price of existing mention, design or process is term	nachin	ery or asset due to new and better		
		Obsolescence	(B)	Salvage value		
	(C)	Depreciation	(D)			
86.	Whi	ch is NOT a type of contract?				
	(A)	Item rate contract	(B)	Percentage rate contract		
	(C)	Lump-sum contract	(D)	Detailed contract		
87.		d the following statement in relatorsk analysis	ation o	of Critical path method of		
	1.	When the float of an activity is activity	s nega	tive, it is called super-critical		
	2.	When the float of an activity is	s zero.	it is called critical activity		
	3.	When the float of an activity is activity	s posit	ive, it is called sub-critical		
	Whic	ch option is correct?				
	(A)	1 and 2 are true	(B)	1 and 3 are true		
	(C)	2 and 3 are true	(D)	1, 2 and 3 are true		

088.	(A) (B)	cost slope in scheduling is defi (Crash cost - Normal cost)/(C (Crash cost - Normal cost)/(N	crash ti Iormal	me - Normal time) time - Crash time)		
	(C) (D)	(Normal cost -Crash cost)/(Normal cost -Crash cost)/(Cr				
089.		ch of the following statement i				
	(A)	An activity is actual performa				
	(B)	Float is applicable to activity				
	(C)	Slack is applicable to event in				
	(D)	Float of an activity can not be	e negat	ive		
090.		an average Indian town, which tres per capita per day?	has th	e maximum requirement of water		
		Domestic use	(B)	Industrial use		
	` '	Public use	()	Fire demand		
	(0)	Tricos de objeto de la la como casona sul co	(2)			
091.	Rea	d the following points for site s	electio	on of intake works		
	1.	Site should be selected near h	eavy c	current of river water		
	2.	2. Site should be selected such that intake can draw sufficient amount				
		of water even in worst condit	ion			
	3.	Site should be located near th	e wate	r treatment plant		
		ch option is correct?				
		1 and 2 are true	(B)	1 and 3 are true		
	(C)	2 and 3 are true	(D)	1, 2 and 3 are true		
092.	The	permissible limit of iron and n	nangan	ese in water used for domestic		
		ooses is	97. 9980	S on public at I CAN at BringAn and State		
		Up to 0.2 ppm		Up to 0.3 ppm		
	(C)	Up to 0.4 ppm	(D)	Up to 0.5 ppm		
093.		ing epidemic or water borne di hlorine beyond the break point		the administration of high dose ned as		
	(A)	Break point chlorination	(B)	De-chlorination		
	(C)	Super-chlorination	(D)	Post-chlorination		
094.	Whi	ch method is not used for the r	emova	l of colour, odour and taste in		
	wate	er				
	(A)	Aeration				
	(B)	Treatment with activated carb	on			
	(C)	Treatment with copper sulpha	ite			
	(D)	Treatment with chlorine				

				Mask diday Cawas
095.	Wh	ich layout of water distribut	ion syste	m is most suitable for irregular
	dev	eloped town or cities?		in is most suitable for megular
		Tree System	(B)	Grid-iron system
	(C)	그리고 있다면 내가 하면 하지 않는 것이 되는 것이 없는 것이 없는데 없다.	(D)	
			(D)	radiai system
096.	Rea	d the following sentences		
	1.		sulphide	gas in sewage indicates anaerobic
		decomposition	ouipinuo	gas in sewage indicates anaerobic
	2.	그는 그렇게 하는데 되었다. 그 아이들의 아이들의 사람들이 되었다면 하는데 하는데 하는데 하는데 하는데 되었다.	dissolve o	oxygen for survival of fish in river
		system is 4 ppm	415501VC (oxygen for survivar of fish in river
	3.		it on cerr	age to determine the extent of
		readily oxidisable organic	matter n	resent in severe
	Whi	ch option is correct?	matter pr	esent in sewage
		1 and 2 are true	(R)	1 and 3 are true
		2 and 3 are true	(D)	
			(D)	1, 2 and 3 are true
097.	Duri	ng the self-purification of si	tream wi	aich zono hog minimum
	conc	entration of dissolve oxygen	n?	nen zone has minimum
		Zone of degradation	(B)	Zono of active december:
		Zone of Recovery	, ,	are only obtained.
			(D)	Zone of cleaner water
098.	Whic	ch of the following works or	n the prin	cipal of anaerobic digestion?
	(A)	Trickling filter	(B)	
	(C)	Septic tank		
	(-)		(D)	Activated sludge process
099.	The l	oridge having its floor sunne	orted or s	uspended at the bottom of the
	super	estructure is termed as	orted or s	uspended at the bottom of the
		Deck bridge	(B)	Through bridge
	, ,	Suspension bridge	(D)	
		o sopension on ago	(D)	Semi-through bridge
100.	Whic	h of the following is NOT a	river tra	ining work?
		Dyke or levee	(B)	
		Groyne		Pier
		<i>J</i>	(D)	1 101





પરીક્ષા પૂરી થયા બાદ (OMR SHEET) ઉત્તરપત્ર વર્ગ નિરીક્ષકને પરત કર્યા બાદ જ વર્ગખંડ છોડવાનો રહેશે. તેમ કરવામાં કસૂર થયેથી તેને શિસ્તભંગનાં પગલાં ગણી પરીક્ષા માટે ઉમેદવારને ગેરલાયક ઠેરવવામાં આવશે.