Test Booklet No	
This booklet consists of 150 que	stions and 21 printed pages.
RGUPET/2024/ /	

RGUPET 2024 Common Entrance Test, 2024 DOCTOR OF PHILOSOPHY IN GEOLOGY

Full Marks Hours	s: 150	Time: 3				
Roll No.						
Day and Da	ate of Examination:					
Signature o	Signature of Invigilator(s)					
Signature of Candidate						
\overline{C} 1.1						

General Instructions:

PLEASE READ ALL THE INSTRUCTIONS CAREFULLY BEFORE MAKING ANY ENTRY.

- 1. DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- 2. Candidate must write his/her Roll Number on the space provided.
- 3. This Test Booklet contains 150 Multiple Choice Questions (MCQs) from the concerned subject. Each question carries 1 mark.
- 4. Please check the Test Booklet to verify that the total pages and total number of questions contained in the test booklet are the same as those printed on the top of the first page. Also check whether the questions are in sequential order or not.
- 5. Candidates are not permitted to enter into the examination hall after the commencement of the entrance test or leave the examination hall within two hour.
- 6. Making any identification mark in the OMR Answer Sheet or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
- 7. Candidates shall maintain silence inside and outside the examination hall. If candidates are found violating the instructions mentioned herein or announced in the examination hall, they will be summarily disqualified from the entrance test.
- 8. In case of any dispute, the decision of the Entrance Test Committee shall be final and binding.
- 9. The OMR Answer Sheet consists of two copies, the Original copy and the Student's copy.

1	'One who possesses many talents'.				Answer option
	What is the one	word substitute for	or the given stater		(c)
	a) Exceptional	b) Wisdom	c) Versatile	d) Nubile	Versatile
2	Change the spee	ch of the given se	entence:		Answer option
		I am writing now			(a)
	a) He told me	b) He said me	c) He told me	d) He toldtha	t He told me
	that he was	that he is	that he was	he is writing.	that he was
	writing then.	writing.	writing.		writing then.
3			is correctly punc		
	•	•	me people use the	•	
			d, some people use		_
	•	*	ne people use the	•	(a)
	D. Everyone has	special skills and	l, some people use	them very well	•
	a) A only	b) B only	c) C only	d) D only	A only
4			ts. One is labelled	l as assertion and	1
	another as justif	ication.			
			1 1		Answer option
	A: Assertion: I d	lo not know wher	e he has gone.		(b)
	B: Justification:	The above sent	ence is a compo	und sentence in	ı
	which sentences	are combined by	conjunctions.		
	a) Both A and	b) A is correct	c) A is	d) A is	A is correct
	B are correct	and B is not the	incorrect and B	incorrect and E	and B is not
	and B is the		is the correct	is not the	the correct
	correct	explanation for	explanation for	correct	evalanation
	explanation for	A.	A.	explanation fo	for A.
	A.			A.	10171.
5	Match the synon	iyms.			
	A. Acclaim		i. gracious		Answer option
	B. Benign		ii. boy		(c)
	C. Citadel		iii. applaud		
	D. Lad		iv. fortress		
	a) A-ii, B-iv,	/ /	c) A-iii, B-i, C-	d) A-iii, B-ii	, A-iii, B-i, C-
	C-i, D-iii	C-ii, D-i	iv, D-ii	C-i, D-iv	iv, D-ii
6	Who discovered	radioactivity?			Answer option
	a) Newton	b)Thomas A	c) Henry	d) Mary Curie	(c) Henry
	a) incwion	Edison A	Becquerel	a) Ivially Culle	Becquerel
7	What is the long		how in television	in the world?	Answer option
Ĺ					(b)
	a)	b) Tonight	c) Blue Peter	d) Doctor Who)
	Remembrance	Show			Tonight Show
	Sunday				
8	Which of the fol	lowing statement	s are <i>true</i> ?		
	A Arunachal Pr	adesh was declare	ed as state in the y	vear 1987	
			er disputed bound		Answer option
		state has 21 distr	-		(d)
	-		was the first cl	hief minister o	f
	Arunachal Prade	_			
	1				

	a) A, B and C	b) A, C and D	c) C and D are	d) A and D ar	e A and D are
	are correct.	are correct.	correct.	correct.	correct.
9	Given below are another as justif		ts. One is labelled	l as assertion an	d
	A: Assertion: Po spinal and respin		nervous systems	and can lead to	Answer option (a)
	B: Justification: by Jonas Salk.	The first success	sful vaccine for p		d
	a) Both A and B are correct.	b) Both A and B are incorrect.	c) A is correct and B is incorrect.		Both A and B are correct.
10	Match the sports	and the players.	l		
	A. Cricket		i. Dhyan Chand		
	B. Football		ii. Sachin Tendul	kar	Answer option
	C. Tennis		iii. Sunil Chhetri		(a)
	D. Hockey		iv. Roger Federe	r	
	a) A-ii, B-iii, C-iv, D-i	C-iv, D-i	C-i, D-iv	ii, D-iii	iv, D-i
11	2024?		9 th ICC Women's		В
	a) Australia	b) Bangladesh	c) England	d) New Zealand	Bangladesh
12	Recently fossil of was found in wh	c			
	a) Rajasthan	b) Maharashtra	c) Gujrat	d) Madhya Pradesh	Gujrat
13	'Goldman Environmental Prize'was won by following Indians. Choose the correct options? A. Alok Shukla in 2024 B. Licypriya Kangujam in 2017 C. Medha Patkar in 1992 D. Maneka Gandhi in 1990				ь
	a) A&B	b)A&C	c)C&D	d)B&C	A&C
14	For the following correct alternative A: On 3 rd April flight-tested from B: It is a nuclear Agni class of mineral control of the following states of	y d			
	a) A is true but B is false		c) Both A and B are true and B is the correct justification for A	d) Both A and B are true and B is not the correct justification for A	d are true and B

					1
15	Match the foll	owing pairs of	government sch	emes and their	
13	purposes:	owing pairs of	government sen	emes and then	
	rr				
	A. PM-DAKSI	H scheme	i.To eliminate t	he hazardous	
			practice of manu	ual sewer and	
			septic tank clean	_	
	B. PM-SURAJ	scheme	ii. A National A		
			skilling margina	-	
			covering SCs, ODNTs, Sanitati	ion workers	
			including waste		d
	C. PRITHVI so	cheme	iii. A comprehen		u u
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	aimed at bolste		
			across various	_	
			Earth sciences		
	D. NAMASTE	scheme	iv. To uplift		
			marginalized		
			society and pr		
			assistance to	one lakh	
			entrepreneurs disadvantaged co	from	
	a) A-i, B-ii, C-	b) A-ii, B-iii,	c) A-iv, B-iii,		A-ii, B-iv, C-
	iii, D-iv	C-iv, D-i	C-ii, D-i	iii, D-i	iii, D-i
		,			
16	I .		positive integers	is equal to their	a
	•	nat is the sum of t	•	T as = =	
	a) 14	b) 16	c) 25	d) 29	14
17	If the deviations	lare taken from 1	nean, then the ari	thmetic mean of	
1,		ation is known as	· ·	in the blank)	c
	a)mean	b)standard	c)variance	d)kurtosis	variance
	deviation	deviation	ŕ	,	
18	Consider the statement(s).	following stater	ments and choo	se the correct	
	_		ays equal in lengtl		ь
	_		ays perpendicular		
			vays equal in leng vays perpendicula		
	D. Diagonais of	rocuingies are are		i to caon outer.	
	a) A & B	b) B & C	c) A & D	d) A, B & D	B & C
19	For the following correct option.	ng Assertion (A)	and Justification	(B), choose the	
	A: For effective use the projection		unication, at times	s it is desirable to	ь
	B: Using the procourse contents.		y facilitates exten	sive coverage of	

	a)Both A and B	b)Both A and B	c) A is True but	d) Both A and	Both A and B
	are true, and B	are true, butB	B is false	B are false	are true, butB
	is the correct	is not the	D is italse	D are faise	is not the
	explanation	correct			correct
		explanation			explanation
20	The following		sents the break-	up of monthly	
			ent Rs. 3000 mc		
			t on rent, then v		
	monthly expend	-	•		
		Others ~			
		35%	Transport 8%		
		/	 		d
			Food		
			22%		
		- · ·			
		Rent 15%	Education		
		,	20%		
	a) Rs. 15000	b) Rs. 20000	c) Rs. 30000	d) Rs. 40000	Rs. 40000
	,	,		,	
21	One of the essen	tial characteristic	s of research is _	·	Answer option
		T	T	T	(d)
	a) replicability	b)	c) usability	d) objectivity	
		generalizabilit			objectivity
22	The state the second	y 			A
22	The state nones	ty is the best police	zy 18		Answer option (b)
	a) a fact	b) a value	c) an opinion	d) a value	a value
	a) a fact	o) a value	c) an opinion	judgement	a value
23	Which of the f	ollowing stateme	ents are <i>true</i> in o		
	design?	one wing stateme	into the in the	ouse of research	
	A. Every research	ch needs its respec	ctive research des	ign.	Answer option
	B. Research des	ign does not depe	nd on the skills of	f researcher.	(c)
			influences resear		
	D. Objective of	research also con	trols research des	ign.	
		1) D 1 ~		100 00 100	
	a) A and D	b) B and C	c) A, C and D	d)B, C and D	A, C and D
24	only Given below are	only	only ts. One is labelled	only	only
Z4	another as justif		us. One is labelled	i as asseition and	
	anomer as justifi	icanon.			
	A: Assertion: Re	ences is always qu	alitative.	Answer option	
1		(d)			
		8			
			earch does not rec	quire quantitative	
			earch does not rec	uire quantitative	
	B: Justification:		earch does not rec	d) Both A and	Roth A and P
	B: Justification: measurements.	Geoscientific res		-	Both A and B
	B: Justification: measurements. a) Both A and B are correct.	Geoscientific resolution b) A is correct and B is incorrect.	c) A is	d) Both A and	are incorrect.
25	B: Justification: measurements. a) Both A and	Geoscientific resolution b) A is correct and B is incorrect.	c) A is incorrect and B	d) Both A and	

	A. Principle of	Replication	i. Extraneous fa		
			vary deliberately		
		Randomization	ii. Selecting items for research		
	C. Principle of	Local Control	iii. Variations b	•	
			factors grouped a		
	D. Sample desi		iv. Experiments a		
	C-i, D-ii	b) A-iii, B-i, C-iv, D-ii	c) A-i, B-iv, C- ii, D-iii	d) A-iii, B-iv, C-i, D-ii	A-iv, B-iii, C- i, D-ii
26	A hypothesis can	n be stated as	<u></u> ·		Answer option (c)
	a)statement of	b)supposition	c)tentative	d)all the above	tentative
	fact	based on the	statement		statement
		past	whose validity		whose validity
		experience	is still to be		is still to be
			tested		tested
27	research studies	?	its are <i>true</i> in cas	e of exploratory	Answer option
	B. Requires non C. Requires pre-	rch design shall b -probability samp planned design fo ctured instrument	oling design.	f data.	(a)
			c)A and D only		A 1D 1
		only	,	, , , , , , , , , , , , , , , , , , ,	A and B only
28	Synopsis of a res	search work is	<u> </u>		Answer option (a)
	a)summary of	b)work plan of	c)combination	d)summary of	· /
	findings of the	research	of objective	previous works	summary of
	research		and		findings of the
			methodology		research
29	Nominal data re	presents			Answer option (a)
	a) numerical in name only	b) inequalities	c) differences	d) quotients	numerical in name only
30	Which of the sta	tements is/are tru	<i>te</i> in case of quest	ionnaire?	
	A. it is relatively	z cheap			Answer option
	B. response is hi	-			(c)
	1	a are always true.			
		ed with illiterate p			
	a) A and B only		c) A and D	d) B and C	
	a) I talla D olliy	only	only	only	A and D only
31	Scaling describe	s the procedures	of assigning		Answer option (a)
	a) numbers to	b) ratios to	c) names to	d) none of the	numbers to
	various	various	various	above	various
	degrees of	degrees of	degrees of		degrees of
	opinion etc.	opinion etc.	opinion etc.		opinion etc.
32	Match the type of	of scale of with co	orresponding desc	ription.	Answer option
	A. Nominal sca	ale	i. true zero of me	easurement	(c)

	D 0 11 1 1	-			I
	B. Ordinal scal	e	ii. separating uni of units	ts on the basis	
	C. Interval scal	le	iii. assigning nu	mbers, not in	
			order		
	D. Ratio scale		iv. Lowest leve scale	el of ordered	
	a)A-i, B-ii, C- iii, D-iv	b)A-ii, B-iii, C-iv, D-i	c) A-iii, B-iv, C-ii, D-i	d) A-iv, B-iii, C-ii, D-i	A-iii, B-iv, C- ii, D-i
33	The data that w	vas collected by	a researcher for	the first time is	Answer option (a)
	a) primary data	b) secondary data	c) tertiary data	d)exponential data	primary data
34	In case of sampl	e design, univers	e refers to		Answer option (c)
	a) a	b) number of	c) defining	d) specific	1.6
	geographical area	items	objects	population parameters	defining objects
35		e of total area und	ler Normal curve		ь
	a) 68.26	b) 95.44	c) 99.00	d) 99.73	95.44
36	Which of the fol	 lowing statement	s about kurtosis is	s true?	
	vvinen or the rol	no wing statement	is acout Raitosis i	s trac.	
	A. Evenly distri	buted frequency r	epresents platicur	tic curve.	
			epresents leptoku		a
	C. Evenly distributed frequency represents nesokurtic curve.				
	D. Laptokurtic curves are always asymmetrical.				
	a) A	b) B	c) C	d) D	A
37			es a series in such s known as	-	С
		b) Second Ouartile	c) Third Quartile	d) Median	Third Quartile
38	`		neasure of deviation	on?	ь
	a) Coefficient of standard deviation	/	c) Coefficient of range	d) Semi- interquartile range	Coefficient of regression
39	If a frequency of following relation	-	sitively skewed th	nen which of the	С
	a) Mode>Mean	b) Mode=Median	c) Mode <median< td=""><td>d) Mean<median< td=""><td>Mode<media< td=""></media<></td></median<></td></median<>	d) Mean <median< td=""><td>Mode<media< td=""></media<></td></median<>	Mode <media< td=""></media<>
40	IVIOUE/IVIEAII	INTOUC-INTEUTALL	Mione-Mediali	ivican-iviculan	n
	If AM is smiller	notic man CM	ia acomotiis	oon and LIM :-	
4 0			is geometric m he following stat		d
70	harmonic mean				d AM≥GM≥H
70	harmonic mean, true?	, then which of t	he following stat	ement is always	
41	harmonic mean true? a) AM=GM=HM	, then which of t b) AM≠GM≠HM	c) AM>GM>HM	d) AM≥GM≥HM	AM≥GM≥H
	harmonic mean true? a) AM=GM=HM	, then which of t b) AM≠GM≠HM f uniaxial mineral	he following stat	d) AM≥GM≥HM	AM≥GM≥H M
	harmonic mean true? a) AM=GM=HM Which section o	, then which of t b) AM≠GM≠HM f uniaxial mineral	c) AM>GM>HM shows perfect int	d) AM≥GM≥HM erference figure?	AM≥GM≥H M

42	Minimum how the attitude of a	b			
	a) One	b) Two	c) Three	d) Four	Two
43		llowing statement cordant igneous b	s are true for dyko	es?	
	B. They are disc C. They are tabu D. They are alw	d			
	a) A&B	b)A&C	c) C&D	d)B&C	B&C
44	correct option. A: Geological research.		and Justification integral part of t		b
	a) Both A and	b) Both A and B are true, but	c) A is True but	d) Both A and B are false.	Both A and B are true, but B is not the correct explanation.
45	A. Quartz B. Orthoclase C. Hornblende D. Calcite	Orthoclase ii. Second order green Hornblende iii. First order yellow			
	a) A-i, B-ii, C- iii, D-iv	b) A-ii, B-iv, C-i, D-iii	iv. First order gree c) A-iii, B-iv, C-ii, D-i	d) A-iv, B-i, C- ii, D-iii	A-iii, B-iv, C- ii, D-i
46	Which of the tectonics?	following metho	ds can be used	to study active	d
	a) Geomorpholog ical mapping	b)Seismotecto nic studies	c)Palaeoseismi c studies	d) All of the above	All of the above
47			the number of artic thors at least that		
	a) CiteScore	b) i10 index	c) h-index	d) g-index	h-index
48	Which of the fol	lowing is a free p	lagiarism checker	r?	d
	a) Ouriginal	b) Turnitin	c) DrillBit	d) DupliChecker	DupliChecker
49	process?	-	nts is/are true ab	-	b
	B. The identity of	of reviewer may r	of articles publis not be disclosed to reviewer of the ar	the author.	

	D. The reviewer				
	a)A only	b) A&B	c) C only	d) C&D	A&B
50	Which of the fol A. Mean B. Skewness C. Kurtosis	С			
	D. Standard Dev	h) B&C	c) C&D	d) A&D	C&D
	,	,	,		
51		fayalite content?	ich one of the foll	lowing increases	(b)
	a) Hardness	b) Unit cell volume	c) Twinning	d) Melting point	Unit cell volume
52		ould cause X-ray	l, its basal spacing diffraction peak		
	a) increase in intensity	b) decrease in intensity	c) shift towards the higher 20 value	d) shif towards the smaller 26 value	shift towards
53	 Which of the following statements is/are <i>true</i>? A. Polymorphs of a chemical compound having different structures. B. Polymorphs would have similar physical properties. C. Polymorphs cannot be produced by displacing atoms within the structure. D. Polytypism is special kind of polymorphism. 				Answer option
	a)A and B only			d)A, C and D only	A and D only
54	Given below are and another as justification length is doubled	Answer option (c)			
	a) A is correct and B is incorrect.	b) A is incorrect and B is correct.	c) Both A and B are correct. B is the correct explanation for A.	d) Both A and B are incorrect	
55	Match the follow Point A. 4/m32/m B. 2/m2/m2/m C. 4/m2/m2/m D. 2/m	ving. Group	Crystal S i. Monoclinic ii. Isometric iii. Orthorhombic iv. Tetragonal		Answer option (a)
	a) A-ii, B-iii, C-iv, D-i	b) A-iv, B-iii, C-ii, D-i	c) A-i, B-iii, C-iv, D-ii	d) A-iv, B-iii C-ii, D-i	A-ii, B-iii, C-iv, D-i

56	What is the pattern of stacking of atomic planes in hexagonal closest packing?				Answer option (a)
	a)ababab	b)abcabc	c)aababc	d)abcabb	ababab
57	Which of the fol A. Barrovia condition. B. Parallel of metamorphism C. The Him D. Isograds metamorphic room	Answer option (c)			
	a)A only	b) A and B only	c) A, B and C only	d) A, C and D only	A, B and C only
58		e results due to _	·		Answer option (d)
	a) partial melting	b) eutectic crystallization	c) filter pressing	d) gravity settling	gravity settling
59	Match the miner	als with their crys	stal systems.		
	Mineral		Cystal system		
	A. Sanidine		i. Orthorhombic		Answer option
	B. Microcline		ii. Hexagonal		(c)
	C. Gedrite		iii. Triclinic		
	D. Magnesite		iv. Monoclinic		
	iv, D-ii	b) A-ii, B-iv, C-i, D-iii	C-i, D-ii	C-ii, D-i	i, D-ii
60			minerals does]	NOT show the	Answer option
	-	double refraction			(b)
	a) Calcite	b) Fluorite	c) Apatite	d) Quartz	Fluorite
61	component syste	em?	at the eutectic	-	(a)
	a) 0	b) 1	c) 2	d) 3	0 Answer option
62	crystallization?			,	(b)
	a) perthitic		c) porphyritic	d) trachytic	granophyric
63	 Which of the fol A. Tempera metamorphism. B. Mineral metamorphism. C. Thermall D. Tempera subducting ocean 	Answer option (c)			
	a) A and B only	b) A, B and C	c) A, C and D	d) B, C and D	A, C and D
		only	only	only	only
64	What state of str	ess is represented	by the following Maximum shear stress $= (\sigma_1 - \sigma_3)/2$	Mohr diagram?	С

	a) Uniaxial	•	<i>'</i>		Triaxial stress
65	stress In a fold where t	stress	stress = 1, the fold can	stress	
03	in a fold where	t _α – cosα and r _α	- 1, the fold call	de classified as.	d
	a) Class 1A	b) Class 1B	c) Class 1C	d) Class 2	Class 2
66	Which of the fol	lowing statement	s about deformati	on is false?	
			in, rigid rotation a		
			deformation histo	•	
	deformation.	osition of partic	les in a body ta	ke place during	b
		eally homogene	ous deformation	n is a linear	
	transformation.	any, nomogene		i is a imear	
	a) A	b) B	c) C	d) D	В
67	A foliated and	lineated shear zo	one rock which h	nas undergone a	
			e by dominantly	_	с
	processes is	·	T > = = 4		
	a) Cataclasite	b) Braccia	c) Mylonite	d)Pseudotachy lite	Mylonite
68	Choose the corre	ect option about t	he following state		
	hot spots.	1	S		
	_	caused by mantle	-	1	d
	B. Hot spots are				
	_	s are found at the ks are formed as t			
		b) Only B is		d) All the	All the
	true.	true.	true but C and	statements are	statements are
			D are false.	true.	true.
69	Which of the fe	l ollowing deforma	l ation implies that	lines along the	
			me orientation as	they had in the	a
	undeformed stat	 	I		
	a) Pure shear	b) Simple	c) Non-coaxial deformation	d) Rotational	Pure shear
		shear	deformation	deformation	
70	Match the follow	ving stages of 'W	ilson Cycle' and t	their present-day	
, -	examples.	88			
	A. Embryonic		i. East African l	Rift	a
	B. Juvenile		ii. Himalaya	- C	
	C. Terminal		iii. Mediterranea	n Sea	
	a) A-i, B-iv, C-	b) A-ii, B-i, C-	c) A-i, B-iv, C-	d) A-i, B-ii, C-	A-i, B-iv, C-
	iii, D-ii	iv, D- iii	ii, D-iii	iii, D-iv	iii, D-ii
	, 2	,		, 1,	, 2 11
71	Which of the fol	lowing is an exam	ple of continental	transform fault?	С
	a) Dauki Fault	b) Karakorum	c)San Andreas	d) Sagaing	San Andreas
		Fault	Fault	Fault	Fault

72	T1 I			- C1.		
72	following?	an Opnionte suc	ecession consists	or which of the	b	
	a) Deep sea	b) Mantle	c)	d) Basaltic	Mantle	
	sediments	peridotite and	Plagiogranite,	pillow	peridotite and	
		ultramafic	gabbro and		ultramafic	
	****	cumulates	sheet dykes		cumulates	
73	Which one of the represents benth		nal sets of marine	e organisms best	Answer option (a)	
	a) polychaetes,	b) salps,	c) sponges,	d)		
	pelecypods,	salmons,	anchovies,	coelenterates,	polychaetes, pelecypods,	
	gastropods	shrimps	bryozoans	polychaetes, sardines	gastropods	
74	Coprolites are _	··			Answer option (c)	
	a)preserved	b) fossilized	c) fossillized	d) preserved	fossilized	
	soft parts of	*	excrements of	trails of		
	organisms.	organisms.	organisms.	organic activities.	organisms.	
75	Which of the f fossils?	following stateme	ents is/are true i	n case of index		
		ssils have wide ge	eological distribut	ion.		
					Answer option (d)	
		Index fossils have wide geographical distribution. Index fossils are restricted to specific rock formations.				
			amples of index for			
		b) A and B are		d) B, C and D	B, C and D	
7.6	D are true.	true.	true.	are true.	are true.	
76		ne essential eleme of diatoms in Anta	ents is the most cr arctic waters?	itical for growth	Answer option (b)	
	a) silicon	b) iron	c) vanadium	d)	iron	
				molybdenum		
77	Which of the fol	llowing statement	s about the foram	inifera are true?		
	-	torms of toramin	ifera, the closed	end is known as		
	proximal end.	ora maatly ha	unthania ar nlan	Irtonio in thoir	Answer option	
	movements.	are mostry be	enthonic or plan	Kionic in their	(c)	
		s found to be pres	sent from Triassic	to Cretaceous		
			t the ocean botton			
	a) A, B and C		c) B, C and D	d) A, C and D	A, B and D	
	only	only	only	only	only	
78			ssil groups are ex	-	Answer option	
	subdividing Mes	sozoic?		_	(b) 1	
	a) Brachiopods	b) Cephalopods	c) Gastropods	d) Trilobites	Cephalopods	
79		ving table showing	g marine fossils an			
	time interval wh	ere their biostrati	graphic utility is	established.		
	A. Ammonites		i. Neogene		Answer option	
	B. Planktonic f	oraminifera	ii. Cambrian		(a)	
	C. Graptolites		iii. Silurian			
	D. Trilobites		iv. Jurassic			

	-) A : D : C	1.) A : D ::: C	-) A :: D :	1) A ::: D ::	A : D : C
	· ·	b) A-i, B-iii, C-	· ·		A-iv, B-i, C-
	iii, D-ii	iv, D-ii	C-i, D-iii	C-iv, D-i	iii, D-ii
	<u> </u>		<u> </u>		
80		ne following grou	ips of organism c	annot survive in	Answer option
	aphotic depth?	T	1	T	(d)
	a) bivalves	b)foraminifera	c) echinoids	d) diatoms	diatoms
81	Which of the fol	llowing is not a B	iostratigraphic Ur	nit?	d
	a) Interval	b) Range zone	c) Lineage	d) Polarity	Dalanitas mana
	zone		zone	zone	Polarity zone
82	Which of the fol	lowing sandstone	types is most like	ly to form by the	
		thering of a grani	7 1	, ,	С
	a) Quartz	b) Lithic		d) Shale	Arkose
	arenite	arenite		a) Share	7 11 11 10 5 C
83			notes the process	es responsible to	
0.5			iments after depos		
	A. Recrystalliza		inicitis after depos	Sition.	
	B. Compaction	tion			a
	C. Diagenesis				
	D. Metamorphis		\ D @ D	1) A C 0 D	D 0 C
	a) B & C	b) B, C & D	c) B & D	d) A, C & D	В & С
			1 - 12 - 1	(2)	
84		ng Assertion (A)	and Justification	(B), choose the	
	correct option.				ь
	A: Glacial depos	U			
	B: Glaciers can	carry sediments of	of different sizes.		
	a) Both A and	b) Both A and	c) A is True but	d) Both A and	Both A and B
	B are true, and	B are true, but	B is false	B are false	are true, but B
	B is the correct	B is not the			is not the
	explanation	correct			correct
		explanation			explanation
		1			1
85	Match the follow	ving sedimentary	rocks with their g	genesis:	
		· 8 7	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	·	
	A. Evaporite		i. Clastic deposit	S	
	B. Limestone		ii. Chemical pred		c
	C. Agglomerate	<u> </u>	iii. Pyroclastic de		
	D. Sandstone	C			
		1) A : D :: C	iv. Organic depo		4 " D ' C
	a)A-i, B-ii, C-		c) A-ii, B-iv,		A-ii, B-iv, C-
0.6	iii, D-iv	i, D-iii	C-iii, D-i	C-ii, D-i	iii, D-i
86		rbonate sediment	s of the ocean a	re derived from	d
	which source?	Las =	T > =-	La	
	a) Fish	b) Crustaceans	c) Coral	d)	Foraminifera
				Foraminifera	1 Oldininiloid
87	Textural maturi	ty of sandstone	is determined b	y which of the	
	following?				
	A. Relative abu	ndance of quartz	grains		
	B. Abundance o		-		ь
	C. Degree of rou				
	D. Degree of son				
	2. 206100 01 801	5			
	Choose the corre	ect ontion			

	T		T	T	
	a) A & B	b) C & D	c) A, B & C	d) A, C & D	C & D
88	Which of the fol	lowing is not incl	luded in Paleozoio	: :?	a
	a) Jurassic	b) Ordovician	c) Mississippian	d) Permian	Jurassic
89	Which one of the	e following is in the	ne increasing orde	r of bathymetry?	Answer option (d)
	a) continental	b) continental	c) continental	d) continental	continental
	slope-	shelf –	rise –	shelf –	shelf –
	continental	continental rise	continental	continental	continental
	shelf-		slope –	slope –	slope –
	continental rise	continental slope	continental shelf	continental rise	continental rise
90	Which of the fol current?	•	f the Indian ocean	is <i>not</i> a seasonal	Answer option (c)
	a)West India	b) East India	c)South	d)North	South
	coastal current	coastal current	equatorial	equatorial	equatorial
2.1			current	current	current
91		lowing statement		1 4: 1	
			ences semidiurna ences semi-diurna		Answer option
	I .	_	ences diurnal tide		(d)
		-	ences mixed semi		
	a) A only	b) B only	c) C only	d) D only	D only
92	Given below are	the two statemen	ts. One is labelled	l as assertion and	
	another as justif				
	A: Assertion: E	Black smokers eje	ect hot mineral-la	den fluids at the	Answer option
	bottom of the oc				(c)
			ulating water is		(*)
	-		ninerals and gas	ses and escapes	
	through vents by a)A is correct		c) Both A and	d) Both A and	
	and B is	incorrect and B	B are correct	B are incorrect	Both A and B
	incorrect	is correct			are correct
93	Match the types	of marine sedime	ents with their sou	rces.	
	A. Lithogenous	sediments	i. Extraterrestrial	source	
	B. Biogenous s		ii. Hydrothermal	vent	Answer option
	C. Hydrogenou	s sediments	iii. Derived from	land	(b)
	D. Cosmogeno	us sediments	iv. Through b		
			organic compour		
	a)A-iii, B-i, C- iv, D-ii	C-i, D-ii	c)A-iv, B-ii, C- i, D-iii	C-ii, D-i	A-iii, B-iv, C- i, D-ii
94			um carbonate in to PRRECT during to		Answer option
	CaCO ₃ ?			I 45 4 -	(c)
	a) decrease in		c) decrease in	d) decrease in	decrease in
95	pH Which one of the	CO ₂	<i>HCO</i> ₃ nents is/are <i>true</i> w	$C0_3^{2-}$	<i>HCO</i> ₃
73		ature of ocean flo		ini respect to tile	Answer option
	I .		circled by trenche	es.	(c)
	1		<i>j</i> =110		l .

	B. Indian O	cean floor has the	e longest mid-oce	anic ridge.	
	C. Pacific C	Ocean floor is enc	ircled by trenches		
	D. The deep	est trench is foun	d in the Atlantic	Ocean.	
	a) A only	b) B only	c) C only	d) D only	C only
96	Oceanic convey	or belt refers to _	<u> </u>		Answer option (c)
	a) wind-driven	b) Ekman	c)	d) geostrphic	theromohaline
	circulation	circulation	thermohaline circulation	circulation	circulation
97	The estimated ag	ge of the universe	is		Answer option (c)
	a) 4.56 billion	b) 10.1 billion	c) 13.5 billion	d) 25.7 billion	13.5 billion
	years	years	years	years	years
98	Which one of th	e following grapl	ns correctly depic	ts the decay of a	Answer option
	radioactive paren	nt isotope and the	growth of its radio	ogenic daughter?	(c)
	a) Time Time	Poundance Digital Digi	Agreent State of Control of Contr	Abundance Dankhee	Agreent Davidition
99	Which of the fol	lowing statement	s is/are <i>true</i> ?		
	minerals in the constant of th	erust and mantle. Zn, Pb, and S are tile elements pre	the common lither to concentrate for to concentrate to form oxide m	ophile elements. e in the earth's	Answer option (a)
	a) A only	b) A and B	c) A and C only		
		only	,	only	A only
100	Given below are the two statements. One is labelled as assertion and another as justification . A: Assertion: Heat transport mechanism from the core to the base of the mantle is primarily by convection. B: Justification: Mantle plumes originate at the core-mantle boundary (CMB) from the regions having low heat flux compared to average CMB heat flux. Which one of the following options are correct?				Answer option (d)
	a) Both A and	/	/	d) A is	A is incorrect
	B are correct.	but B is	B are incorrect.	incorrect but B	but B is
101	36.1.1	incorrect.	1, 1 1,	is correct.	correct.
101		als with correspo			
	A. Gold B. Silica C. Halite D. Diamond		i. covalent and ic ii. metallic bondi iii. covalent bond iv. ionic bonding	ing ding	Answer option (c)
	a)A-iv, B-iii,	b) A-ii, B-iii,	c) A-ii, B-i, C-	d) A-iii, B-i, C-	A-ii, B-i, C-iv,
	C-ii, D-i	C-i, D-iv	iv, D-iii	iv, D-ii	D-iii
102		· · · · · · · · · · · · · · · · · · ·	ite and aragonite		Answer option
	other because of		S		(a) 1

	a) chemical stabilities	b) ocean depth	c) chemical compositions	d) precipitation mechanisms	chemical stabilities
103		following state			5.0001111105
		of elements in the			
	A. The He/I				
		with odd number	•		Answer option
	stable.		-		(b)
	C. The abu	ndance of eleme	nts exponentially	decreases with	
	increasing atom				
		ceptionally low a			
	a)A and C only	· *	c) A and D	d) B and C	B and D only
101	*****	only	only	only	•
104		e following repre		increasing order	Answer option
		elements in the E		1) 0 41 6	(c)
105	a) O-Si-Al	b) Si-O-Al		d) O-Al-Si	Al-Si-O
105		e following ore de	posits originates of	due to the earth's	Answer option
	surface process?) 1 1	1) 1.7	(a)
	a) bauxite		c) layered	d) graphite	bauxite
		exhalative deposit	chromite deposit	deposit	
106	Pornhyry-tyne c	opper deposits are			Answer option
100	l orphyry type c	opper deposits are	c associated with	•	(c)
	a) mid-oceanic	b) intra-	c) continent-	d) ocean-ocean	continent-
	ridge setting	cratonic rift	continent	subduction	continent
		setting	collision	setting	collision
			setting		setting
107	Which of the fol	lowing statement	s is/are <i>true</i> ?		
		-type iron forma		ninantly formed	
	during Precambi				
		type iron format	tions are mostly	formed during	Answer option
	Palaeozoic.				(c)
		te is the domina	ant oxide in Su	perior-type iron	
	formations.	4			
	_	-type iron format	ions usually cont	ain nign-amouni	
	of alkalis (>10%) a) A only	b) A and B	c) A, B and C	d) A, B, D only	A, B and C
	a j A Only	only	only		only
108	Greisenisation a	associated with S	2	on involves the	Answer option
		he original miner			(d)
	_	b) muscovite +		d) quartz +	quartz +
	calcite	chlorite	chlorite	muscovite	muscovite
109	Which of the fol	lowing statement	s is/are <i>false</i> ?		
		a fine-grained i	gneous rock that	t hosts valuable	
	metal deposits.				
	_	al, skarns are rich	_		Answer option
		the tungsten depo	sits (>70%) in the	e world are skarn	(d)
	deposits.			Duade 1 C	
	_	anda tungsten d	eposit in Andhra	a Pradesh is of	
	skarn-type depor		a) A and D	d)C and D ant-	
	a) A and B only	b) A and C only	c) A and D only	d)C and D only	A and D only
110	Which of the fol	lowing mineral is		hlack smokers?	Answer option
	i trinion of the fol	roming initional lo	precipitated HOII	CIGCK SHICKCIS!	True wer obuon

					(b)
	a) Pyrite	b) Pyrrhotite	c) Sphalerite	d) Galena	Pyrrhotite
111	Match the ore deposit with the ho		ost rocks.		
	A. Chromite		i. Tholeiite-koma		A navyon ontion
	B. Niobium		ii. Anorthosite co	omplex	Answer option
	C. Ilmenite		iii. Carbonatite		(a)
	D. Nickel sulpl	nide	iv. Layered igned	ous complex	
		b) A-i, B-ii, C-			C- A-iv, B-iii, C-
		iii, D-iv	iv, D-iii	iv, D-ii	ii, D-i
112	Microlithotypes	Answer option			
112	Transferrance types		·		(b)
	a) 95% of	b) >95% of	c) >95%	d) 95%	
	vitrinite	vitrinite and	/	liptinite an	
	Vitilitie	liptinite	mertime	inertinite	liptinite
113	What is the olds		⊥ thounit of Dharwa		Answer option
113	what is the olde	si siratigrapine n	mounit of Dharwa	ii Ciatoii:	
		1) 0	0.1	1) D : 1	(b)
	a) Amgaon		/	d) Peninsula	r Gorur Gneiss
11.4	Gorup	Gneiss	Group	Gneiss	<u> </u>
114	In which craton	Mohar Caldraun	is present?		Answer option
		T	T	1	(d)
	a) Dharwar	/		d)	Bundelkhand
	Craton	Craton	Craton	Bhundelkhand	d Craton
				Craton	
115	Which of the fo	of			
	Cuddapah basin				
	A. The basis	Answer option			
	B. It is occu	(b)			
	C. The basis	n was subjected t	o magmatism dur	ing its evolution	
			leformed than the		
	a) A and B only		c) A,B and C) (1) 1
			only		C and D only
116			ents. One is label		n
110	and another as j			iod de tessororo	
	•		ed the older sup	racrustals of th	e Answer option
	Bastar craton int	(c)			
			that both the serie	es renresent sam	` '
		out varying in faci		os represent sam	
	a)A is correct			d) Both A an	d
	and B is	incorrect and B		B are incorrec	I BOTH A 9HO B
	incorrect	is correct	D are correct.	D are incorrec	are correct.
117			monhio maita and a	onomia danasi	70
117			raphic units and ed		S
			ble represents cor		
		aphic unit	Economic	aeposit	Answer option
	A. Udaipur Gro		Barite		(b)
	B. Nallamalai	Group	Pb-Zn		(-)
			TN1 1 1		
	C. Bababudan		Phosphorite		
			Iron		
	C. Bababudan			d) D	В
118	C. Bababudan D. Semri Grou a) A	p b) B	Iron c) C	,	
118	C. Bababudan D. Semri Grou a) A	p b) B	Iron	,	B Answer option (d)

Г	a) Cl	1.) Destinance	c) Pulivendla	d) Gulcheru	Gulcheru
	a) Cumbum	b) Pullampet	,	,	
	Formation	Formtion	Quartzite	Quartzite	Quartzite
119	Within how man	ny millions of year	rs after the format	tion of the earth,	Answer option
		mosphere has evo		,	(b) 1
	a) 10	b) 100	c) 1000	d) 2000	100
120	Which one of the of palaeo-ocean	Answer option (c)			
	a) basalt	b) meteorite	c) fluid	d) volcanic	fluid inclusion
	a) sasare		inclusion	eruption	mara merasion
121	As per the propo	osal of Internation	nal Commission o		1
	2009, the base of	f the Quaternary J	Period is fixed by	IUGS at:	ь
	a)1.80 Ma	b)2.58 Ma	c)23.03 Ma	d)66.0 Ma	2.58 Ma
122	Which hypothes	is proposes that c	climate changes h	lave mainly heen	
122			nosphere and the		
	tectonic process	-	nespiiore uniu ene	y course of prime	d
	F100000				
	a)	b) Polar	c) Uplift	d) BLAG	BLAG
	Milankovitch	Position	Weathering	Spreading Rate	Spreading
	Hypothesis	Hypothesis	Hypothesis	Hypothesis	Rate
	-				Hypothesis
123	Choose the corre	ect option referrin	g to true statemer	nts about the	
	_	g Quaternary Perio			
		•	ong during Quate	•	
			ng Quaternary Per		ь
	-	_	nan inter-glacials	during	
	Quaternary Perio			1 ' 1	
			r ice during glacia	•	A&C
	a) A&B	b) A&C	c) B&D	d) C&D	A&C
124	What is the age	of Mayymluh Cay	e speleothem in M	Maghalaya that is	
		SSP marking the l			
			าลระ กา เกษตกลาจบ	an Age?	ь
	a) 2450 years				
	,	b) 4250 years	c) 5730 years	d) 8236years	4250 years
	a) 2450 years b2k				
125	b2k	b) 4250 years b2k	c) 5730 years b2k	d) 8236years b2k	4250 years
125	b2k	b) 4250 years b2k	c) 5730 years	d) 8236years b2k	4250 years
125	b2k Choose the corre	b) 4250 years b2k	c) 5730 years b2k	d) 8236years b2k	4250 years
125	b2k Choose the corre of India.	b) 4250 years b2k ect option to descr	c) 5730 years b2k	d) 8236years b2k aternary deposits	4250 years
125	b2k Choose the corre of India. A. These may be	b) 4250 years b2k ect option to describe found in the India.	c) 5730 years b2k ribe about the Qua	d) 8236years b2k atternary deposits	4250 years
125	b2k Choose the corre of India. A. These may be	b) 4250 years b2k ect option to describe found in the Index Khadar are alluvis	c) 5730 years b2k ribe about the Qua	d) 8236years b2k atternary deposits	4250 years b2k
125	Choose the corre of India. A. These may be B. Bangar and Hand Holocene re C. The Kashmir	b) 4250 years b2k ect option to describe found in the Index Shadar are alluvistic spectively.	c) 5730 years b2k ribe about the Quatus and Ganga plainal soil formed duduring the Pleisto	d) 8236years b2k nternary deposits ins. ring Pleistocene cene epoch.	4250 years b2k
125	Choose the correct of India. A. These may be B. Bangar and B. Bangar and F. C. The Kashmir D. In India a	b) 4250 years b2k ect option to describe found in the Index Shadar are alluvistic spectively.	c) 5730 years b2k ribe about the Quatus and Ganga plainal soil formed du	d) 8236years b2k nternary deposits ins. ring Pleistocene cene epoch.	4250 years b2k
125	b2k Choose the corre of India. A. These may be B. Bangar and F and Holocene re C. The Kashmir D. In India a environment.	b) 4250 years b2k ect option to describe found in the Induction to describe found in the Induction to the Induction of the In	c) 5730 years b2k ribe about the Qua us and Ganga plai al soil formed du during the Pleisto leposits are form	d) 8236years b2k atternary deposits ins. ring Pleistocene cene epoch. med in glacial	4250 years b2k
125	Choose the correct of India. A. These may be B. Bangar and B. Bangar and F. C. The Kashmir D. In India a	b) 4250 years b2k ect option to describe found in the Index Shadar are alluvistic spectively.	c) 5730 years b2k ribe about the Quatus and Ganga plainal soil formed duduring the Pleisto	d) 8236years b2k nternary deposits ins. ring Pleistocene cene epoch.	4250 years b2k
125	b2k Choose the correct of India. A. These may be B. Bangar and B and Holocene re C. The Kashmir D. In India a environment. a)A only	b) 4250 years b2k ect option to describe found in the Induction to describe found in the Induction to the Induction of the In	c) 5730 years b2k ribe about the Quatus and Ganga plainal soil formed duduring the Pleisto deposits are formed c) A, B & C only	d) 8236years b2k atternary deposits ins. ring Pleistocene cene epoch. med in glacial	4250 years b2k
	b2k Choose the correct of India. A. These may be B. Bangar and B and Holocene re C. The Kashmir D. In India a environment. a)A only	b) 4250 years b2k ect option to describe found in the Index (Khadar are alluvial spectively. valley developed (Il Quaternary decrease)	c) 5730 years b2k ribe about the Quatus and Ganga plainal soil formed duduring the Pleisto deposits are formed c) A, B & C only	d) 8236years b2k Internary deposits ins. ring Pleistocene cene epoch. Internation of them. d) All of them.	4250 years b2k c
	Choose the correct of India. A. These may be B. Bangar and F. and Holocene re C. The Kashmir D. In India a environment. a)A only When did the La	b) 4250 years b2k ect option to describe found in the Index Shadar are alluvis spectively. valley developed ll Quaternary described b) A & B only ast Glacial Maxim	c) 5730 years b2k ribe about the Quatus and Ganga plainal soil formed duduring the Pleisto deposits are formed c) A, B & C only a (LGM) occur?	d) 8236years b2k atternary deposits ins. ring Pleistocene cene epoch. med in glacial	4250 years b2k c

127	Match the fo				
	societal/cultural				
	A. Paleolithic	i. For	rmation of tribes.		d
	B. Mesolithic	ii Be	eginning of organi	ized society.	
	C. Neolithic	iii. M	obile lifestyle	•	
	D. Bronze age	iv. Cr	aft and trade begi	ns	
	a)A-i, B-ii, C-	b)A-iii, B-ii,	c)A-iv, B-ii, C-	d) A-iii, B-i, C-	A-iii, B-i, C-
	iii, D-iv	C-i, D-iv	iii, D-i	ii, D-iv	ii, D-iv
128	Dendrochronolo following?	gy refers to dati	ng technique usi	ng which of the	a
	a) Tree rings	b) Varve	c) Ice core	d) Drainage network	Tree rings
129	1 0	raphy when optic pint then the photos (x)	•	•	a
	a) True vertical	b) Tilted	c) High	d) Low oblique	True vertical
	photograph	photograph	oblique	photograph	photograph
			photograph		
130		the following the	e vertical exagge	ration of stereo-	
	model varies dir	ectly?			С
	T1 :	1) 0	\ \ \ \ . 1	1 1 5 1	A · 1
	a) Flying	b) Camera	c) Airbase	d) Eye base	Airbase
131	height	focal length ng Assertion (A)	and Justification	(B) choose the	
131	correct option.	ig Assertion (A)	and Justineation	(b), choose the	
	A: In radar rem vertically.	note sensing data	is collected side	eways instead of	ь
	B: Shallow look obtained otherw	angle results in d	ifferent perspectiv	ve that cannot be	
	a) Both A and		c) A is True but	d) Both A and	Both A and B
	B are true, and	· ·	B is false	B are false	are true, but B
	B is the correct	B is not the			is not the
	explanation	correct			correct
		explanation			explanation
122	Tanalas 1	114 for1-1-1	£41 £.11 1	ota man 1-1-0	
132		built for which c	,	,	ь
	a) Attribute data only	b) Vector data only	c) Raster data only	d) Both vector and raster data	Vector data only
133	Number of grey following?	shades in a spec	tral band represe	nts which of the	d
	a) Spatial	b) Spectral	c) Temporal	d) Radiometric	Radiometric
	resolution.	resolution	resolution	resolution	resolution
134	Which of the fol	lowing is/are true	for aggregates?		ь

		1, 1			
	A. Aggregates an B. Aggregates ar				
	C. Aggregates m				
	D. Aggregates sl				
a)) A&B	b) A&C	c) B&C	d) C&D	A&C
135 W	Which of the fol	lowing rocks has	the highest comp	 ressive strength?	a
) Granite	b) Marble	c) Sandstone	d) Limestone	Granite
) Granite	o) warote	c) sanastone	a) Emicsione	Gramite
	Match the follow onstructed.	ving Indian dams	and the rivers or	n which they are	
	A. Sardar Sarov	var Dam	i. Sutlej River		c
l -	B. Nagarjuna S		ii. Narmada Riv	er	
I —	C. Bhakra Dam	-	iii. Mahanadi Riv		
	D. Hirakud Dar	n	iv. Krishna River		
a) A-i, B-ii, C-	b) A-ii, B-iv,	c) A-ii, B-iv,	d) A-iv, B-iii,	A-ii, B-iv, C-i,
ii	ii, D-iv	C-iii, D-i	C-i, D-iii	C-ii, D-i	D-iii
137 W	Which of the fol	lowing is the best	t dimensional stor		d
a)) Phyllite	b) Shale	c) Marble	d) Granite	Granite
138 T	he topmost par	t of a tunnel is ca	lled . (Fill	in the blank)	ь
a)) Crown	b) Vault head	c) Invert	d) Arch	Vault head
		ng Assertion (A)	and Justification	(B), choose the	
	orrect option.	1 , 11	1	1	d
			making steeper s		
			reases the stability c) A is True but		
	/		B is false	/	Both A and B
		B is not the	D is laise	D are faise	are false
	xplanation	correct			are raise
	Apidilation	explanation			
		lowing is the path	nfinder element fo	or sandstone type	a
	ranium deposit ^o) Se	<i>:</i> b) Cu	c) Pb	d) Zn	Se
ر م) 50	b) Cu	C) 1 0	d) Zii	SC
	Which correction in gravity prospecting allows for surface irregularities in vicinity of the station?				
a) Bouguer	b) Latitude	c) Terrain	d) Free-air	Т
c	orrection	correction	correction	correction	Terrain correction
142 Ir	n which of the s	sampling method	l s samples are rand	domly nicked un	
			m outcrops, pits,		
			ine cars, load shi		9
	ypes of stockpil		iiio carb, roud siii	ipinomo, ana an	
a		b) Muck	c) Bulk	d) Channel	Grab sampling
	/	/	/	/	
	ampling	sampling	sampling	sampling	

	a) G1	b) G2	c) G3	d) G4	G4
144	As per UNFC sc Reserve?	a			
	a) 111	b) 121	c) 122	d) 221	111
145	Which of the fol	llowing makes the	best aquifer?	<u> </u>	С
	a) Limestone	b) Quartzite	c)Sandstone	d) Shale	Sandstone
146			the ratio of the ed by gravity to it		ь
	a) Specific gravity	b) Specific yield	c) Specific retention	d) Specific volume	Specific yield
147	Choose the corr good aquifer. A. High porosity B. High permeal C. High bulk der D. High consolid	a			
	a) A&B	b) B&C	c) C&D	d) A&D	A&B
148	I .	ximum permissib reau of Indian Sta	le limit of TDS indards?	n drinking water	d
	a) 120 mg/l	b) 180 mg/l	c) 300 mg/l	d)500 mg/l	500 mg/l
149	Which of the fo method of groun		ost widely used a	rtificial recharge	ь
	a) Ditch-and- Furrow method	b) Basin method	Channel method	d) Flooding method	Basin method
150	Which of the fo Earth's crust?	ollowing is the m	ost abundant sedi	imentary rock in	d
	a) Limestone	b) Sandstone	c) Conglomerate	d) Shale	Shale