

## 16611 120 MINUTES

1.	Which is the most abundant element in the Earth taken as a whole?												
	A)	Silicon			B)	Alun	ninum						
	C)	Oxygen			D)	Iron							
2.	Whic	h part of the I	Earth has	the stee	pest ge	otherm	?						
	A)	Crust			B)	Uppe	er mantle						
	C)	Lower man	tle		D)	Core							
3.	Whic	ch portion of t	he Earth	is respo	nsible f	or its m	nagnetic f	ïeld?					
	A)	Crust			B) Mantle								
	C)	Outer core			D)	Inner	core						
4.	What % of the total mass of the Solar System is centered in the Sun?												
	A)	68.8			B)	78.8							
	C)	C) 88.8 D) 98.8											
5.		On what ground the <i>Continental Drift Hypothesis</i> of Alfred Wegener was not acceptable to scientists?  A) It failed to explain the occurrence of glacial deposits far from Polar Regions.											
	A)	It failed to	explain tl	he occur	rence o	of glacia	al deposit	s far from	Pol	ar Regio	ons.		
	B)	The fit of c	ontinents	suggest	ted wer	e not co	onvincing	in most ca	ases	s			
	C)	It failed to	explain tl	he distri	bution	of fossi	ls.						
	D)	It failed to	explain v	why and	how th	e contir	nents drif	ted.					
6.	In which order the seismic waves reach a distant place from an earthquake?												
	A)	S wave - P wave – Surface wave											
	B)	P wave - S	P wave - S wave – Surface wave										
	C)	Surface wa											
	D)	Surface wa	ve - S wa	ave - P v	vave								
7.	Whic	h seismic wav	ve causes	horizor	ntal shit	fting of	the earth	during an	ear	thquake	?		
	A)	P wave			B)	S wa	ve						
	C)	Rayleigh w	ave		D)	Love	wave						
8.	How syste	many satellitem?	es were la	aunched	by Ind	ia for d	eveloping	g its own n	aviş	gation			
	A)	8	B)	7		C)	6	D)	)	5			
9.	What called	t is the seismid?	e scale in	troduce	d by T.	C. Hanl	ks and H.	Kanamori	in	1979			
	A)	Richter scale B)				Modified Richter scale							
	C)	Intensity sc	ale		D)	Mon	nent Mag	nitude scal	e				

10. Match the following earthquakes with their magnitudes:

Earthquake	Magnitude
1. Chile (1960)	a. 7.8
2. Alaska (1964)	b. 8.8
3. Sumatra (2004)	c. 9.1
4. Chile (2010)	d. 9.2
5. Nepal (2016)	e. 9.5

		3. Sumana (2004)	'	C. 9.1						
		4. Chile (2010)		d. 9.2						
		5. Nepal (2016)		e. 9.5						
	A) C)	1-a; 2-b; 3-c; 4-d; 1-c; 2-e; 3-b; 4-d;		B) D)			-d; 3-c; -e; 3-d;	-		
11.		ch of the following represes in a glacial terrain?	esents a	sharp-e	edge	d rid	ge betwee	n two	o adjoi	ning
	A)	Arete		B)		hrst				
	C)	Tarn		D)	Cr	evas	se			
12.	Whic	ch of the following is no	t indica	tive of	your	nging	g direction	1?		
	A)	Cross bedding		B)			ation cracl			
	C)	Varves		D)	Pil	low	lavas			
13.	Which A) C)	ch resistant rock forms the Basalt Shale	he top la	ayer cat B) D)	Do	ve o lom yllit	ite	ra Fa	lls ?	
14.		far is the epicentre of artes delay between the final 1000 km B)		als of I		l S v		on tha	at recor	rds 5 8000 km
		,							,	
15.	To w A) C)	hich of the following th Drainage analysis Seismic calculations	e Horto	n's Lav B) D)	Gr	ounc	icable? lwater flo nalysis	w stu	dies	
16.	Whic A)	ch of the following terms Crator B)	s means Tarn	a lake	occi C)	ırrin	g inside a Playa	cirqu	ue? D)	Col
17.	Which A) C)	ch of the following is syn Variscan Alpine	nonymo	ous with B) D)	Ca	•	nian	ıy?		
18.	Whic	ch of the following expla	ains the	timing	of ic	e ag	ges?			
	A)	Wilson cycle		B)	Mi	lank	ovitch Cy	cle		
	C)	Carbon Cycle		D)	Во	uma	Cycle			

19.			ominantiy	expose	sed rock along the Lunar Highlands?						
	A)	Granite			B)	Basa					
	C)	Gabbro			D)	Anor	thosite				
20.		coined the teration		eomorp	hology'	' to hig	hlight the a	anthropogeni	cally dri	ven	
	A)	A.N.Strahl			B)	R.E.	Horton				
	C)	T.K. Haff			Ď)	K.G.					
21.	Whicl	n of the follo	wing dom	inates t	he pelas	gic sed	iments?				
	A)	Diatom oo	-		B) `		olarian ooz	ze			
	C)	Pteropod o	oze		D)		areous ooz				
22.	Whicl	n clay minera	al predom	inates th	ne surfa	ce sedi	ments of th	ne Arabian-se	ea floor?		
	A)	Kaolinite	1			B) Illite					
	C)	Montmoril	lonite		Ď)	Smed	ctite				
23.		the exploration tor' is used?	on of whic	ch of the	e follow	ing the	e term 'bot	tom-simulati	ng-		
	A)	Petroleum			B)	Natu	ral Gas				
	C)	Gas Hydra	te		Ď)	Shale	e Gas				
24.	Of th	e 14 Bravais	lattices h	ow mai	nv are h	odv-ce	ntered?				
	A)	3	B)	4	ily <b>uic</b> o	C)	5	D)	6		
25.	Out o	f 32 point gro	ours how	many o	come ur	nder the	e Tetragona	al System?			
	A)	7	B)	6	01110 011	C)	5	D)	4		
26.	Who	grouped igne	ous rocks	into ov	ersatur	<i>ated</i> an	d <i>under sa</i>	turated?			
	A) `	N. L. Bowe			B)		hannsen				
	C)	A. Harker			D)	S. J.	Shand				
27.	Which	n of the follo	wing is th	e most a	abundaı	nt mine	ral in the I	Earth's crust?	)		
	A)	Quartz			B)	Orth	oclase				
	C)	Plagioclase	•		D)	Pyro	xene				
28.	Match	the following	ng set of n	ninerals	with th	eir opt	ical groups	3:			
		1.Tourmali			a. Iso						
		2. Hercynit					ositive				
		3. Silliman	ite				egative				
		4. Zircon	· .			ixial po					
		5. Muscovi	ite		e. Bia	xial ne	gative				
	A) C)	1-b; 2-a;				-	2-a; 3-d;	4-b; 5-e 4-b; 5-a			

29.	Match the following sets of minerals with their chemical groups:									
		<ol> <li>Cassiterite</li> <li>Fluorite</li> </ol>			a. Oxio	ide				
		3. Celestine	4 .		c. Sulp					
		<ul><li>4. Rhodochrosi</li><li>5. Cheralite</li></ul>	te		a. Car e. Pho	bonate				
		3. Cherante			e. Filo	spiiate				
	A)	1-a; 2-b; 3-c;	4-d;	5-e	B)	1-c;	2-a; 3-d; 4-b;	5-e		
	C)	1-c; 2-a; 3-b;	4-d;	5-e	D)	1-d;	2-e; 3-c; 4-b;	5-a		
30.	Name olivine	the plutonic rock	x with 5	50 % o	rthopyr	oxene,	45 % clinopyrox	xene ar	nd 5 %	
	A)	Peridotite			B)	Harzb	urgite			
	C)	Websterite			D)	Olivir	ne Websterite			
31.	How many cotectic line(s) are there in the Di-Ab-An ternary system?									
	A)	•	B)	2		C)	3	D)	4	
32.		of the following	•			t?				
	A)	All primary ma								
	B)	All primitive m								
	C)	All magmas are All primary ma				imitive				
	D)	An primary ma	gilias a	re pare	illai					
33.		of the following	g can be	e regar						
	A)	Komatiite			B)		ophyre			
	C)	Boninite			D)	Picrit	e			
34.	Which	n is not true in the	e case o	of kimb	erlites?	•				
	A)	Occur as diatre			B)		Mg numbers			
	C)	LREE enrichme	ent		D)	Brecc	iated texture			
35.		petrogenetic infe atic rocks?	rence is	s there	for low	values	$s (< 0.704) \text{ of }^{87}S$	Sr/ <sup>88</sup> Sr	ratios in	
	A)	Crustal anatexis	S		B)	Extre	me differentiatio	n		
	C)	Mantle source			D)	Crusta	al contamination	1		
36.	Which	of the following	g repres	sents a	magma	chamb	er?			
	A)	Large Igneous			B)		netal Flood Basl	at prov	vince	
	C)	Greenstone belt			D)		ed ultramafic co			
37.	Which	of the following	g forms	the me	ost abuı	ndant g	roup of sedimen	tary ro	cks ?	
	A)	Sandstones	,		B)	Muds		,		
	C)	Lime stones			D)		naceous rocks			
	,									

38.		is the range							
	A)	46-59	B)	49-62		C)	52-65	D)	55-68
39.	Where A) C)	At F corne Midway be	r	•	lot on a B) D)	Midv	diagram? yay between yay between		
40.	Which A) C)	P+F= C+2 P+F= C+1		sion of (	Goldsch B) D)	imidt's P+F= P=C		cal Phase I	Rule?
41.	What A) C)	is the chemic K <sub>2</sub> O. Al <sub>2</sub> O K <sub>2</sub> O. Al <sub>2</sub> O	$_3$ . SiO $_2$		f the no B) D)	$K_2O$ .	e mineral ka 2Al <sub>2</sub> O <sub>3</sub> . 2 S 0. Al <sub>2</sub> O <sub>3</sub> . 2 S	$SiO_2$	(kp)?
42.	1. R. I 2. Jan 3. A.S 4. Joh	the following Murchison the Hutton dedgwick new Phillips	ng pionee	a. De b. Wr c. Fo d. Fo	efined 3 rote the unded 9 unded 9	eras, P book 7 Silurian Cambria	their contril aleozoic, M The Theory of in 1835 an in 1835 ian in 1879	esozoic & of the Earth	
	A) C)	1-a; 2-b; 1-e; 2-a;	-			-	2-a; 3-d; 4 2-b; 3-d;		
43.	Which A) C)	of the follo Cretaceous Triassic-Ju	-Paleoce		is not c B) D)	Juras	rized by larg sic-Cretaced ian-Triassic	ous	tinction?
44.	Which A) C)	1400-1850 1200-300 I	AD	d the Lit	tle Ice A B) D)	400-	900 AD -1400 BC		
45.	Who a A) C)	among the fo P.R.Vali L.L.Sloss	llowing i	s a pion	eer in S B) D)	W.C.	Stratigraphy Krumbein .Swift	<i>i</i> ?	
46.	To wh A) B) C) D)	Ice formati Ice melting Ice formati Holocene s	on along along lo on along	low latit w latitud high lati	tudes in des in th	the Pleis	eistocene tocene		
47.	Which A) C)	n chronostrat Series System	igraphic	unit corr	respond B) D)	s to the Stage Grou		al 'epoch'?	ı

48.	Which A) C)	n regional str Main Cent Indus-Tsar	ral Thrust		he Him B) D)	Main	from the Tibeta Boundary Thro man Fault		au?			
49.	Which Himal		following	gives th	e appro	ximate	gravity value a	along the	e			
	A)	- 4000 gu	B)	- 6000	) gu	C)	+ 4000 gu	D)	+ 6000 gu			
50.	To wh A) B) C) D)	In deciding In correlat In finding	g the time ing plant a out Carbon	ng the Signor- me of extinct ant and anima arbon isotope g dinosaur boo		f a fossi il from in grap	il. the same strata bhite					
51.	Which of the following terms indicate the study of decaying of organisms in time and the process of their fossilization?											
	A)	Taxonomy			nomy	C)	Typhlology	D)	Therology			
52.		hylogenetic) relationships among ( ) Genogram				reelike diagram used to illustrate evolutionary organisms?  B) Taxogram D) Phyllogram						
53.	-	r the human anzees sepa		models,	, when	did the	ancestors of hu	ımans aı	nd			
	A)	3-1 Ma	B)	4-2 M	[a	C)	6-4 Ma	D)	8-6 Ma			
54.	Which A)	of the follo Singhbhun	-	ons lies Bastar		n the G C)	odavari and Ma Bundelkhand					
55.		is the mean million year		y at whic	ch the n	nagneti	c reversals tool	k place o	during the			
	A)	0.1 My	B)	0.2 M	y	C)	0.3 My	D)	0.4 My			
56.	In whi A) C)	ch craton th Singhbhun Bundelkha	n	ta comp	lex occ B) D)	eurs? Basta Arava						
57.	Match the following Siwalik fossil 1. Chilotherium 2. Sivatherium 3. Hipparion 4. Gigantopithecus 5. Rhizomys				s with their corresponding mammal groups: a. Primate b. Giraffidae c. Rhinocerotidae d. Equidae e. Rodentia							
	A) C)	1-a; 2-b; 1-c: 2-b	-	-		-	2-a; 3-d; 4-b 2-e· 3-c· 4-h	-				

58.	Which	of the schist belts given below	w is not	famous for gold deposits?				
	A)	Kolar	B)	Hutti				
	C)	Jonnagiri	D)	Nuggihalli				
59.	Who c	oined the name 'Gondwanalar	nd' for t	he ancient continent?				
	A)	Edward Suess	B)	Alfred Wegner				
	C)	Harry Hess	D)	Arthur Holmes				
60.	To wh	ich major unit the <i>Sriperumbu</i>	dur fori					
	A)	Upper Gondwana	B)	Lower Gondwana				
	C)	Cretaceous of Trichinopoly	D)	Sathyamangalam group				
61.	Which	of the following corresponds						
	A)	Chattian-Aquitanian	B)	Albian-Cenomanian				
	C)	Aquitanian- Burdigalian	D)	Maastrichtian-Danian				
62.	Which	of the following is the calcic	end-me	mber of hornblende?				
	A)	Cummingtonite	B)	Tschermakite				
	C)	Actinolite	D)	Riebeckite				
63.	Which	field equipment is otherwise	known a	as the Pocket Transit?				
	A)	Portable GPS	B)	Brunton Compass				
	C)	Theodolite	D)	Alidade				
64.	Which	of the following is not a pale	opiezon	neter?				
	A)	Veins and fractures	B)	Dynamically recrystallised grain-size				
	C)	Perthites	D)	Twins of calcite and dolomite				
65.		of the following are asymmetotated anticlockwise with resp						
	A)	M-folds	B)	S-folds				
	C)	Z-folds	D)	Sheath folds				
66.	For wh	nich of the following the Shale						
	A)		B)	Rupture mechanism				
	C)	Shear kinematics	D)	Fault sealing analysis				
67.	What i	s a synthetic fault?						
	A)	A man-made fault/rupture						
	B)	Fractures produced for oil/ga						
	C)			ection as an adjacent minor fault				
	D)	A small fault dipping in the s	same dir	rection as an adjacent main fault				
68.	In which of the following cases the strain ellipses plot off the k=1diagonal of the							
	A)	liagram? Transpression	B)	Transtension				
	C)	Compression	D)	Tension				
	$\sim$	Compression	$D_j$	1 \$1101011				

69.		n of the following hypoteatest resolved shear str	at the s	t the slip on a given fault occurs along						
	A)	Anderson's hypothesi		B)	Rams	ay's hypoth	esis			
	C)	Wallace-Bott hypothe		D)		gs-Handin hy				
70.		did the supercontinent	Rodinia							
	A)	1.1-0.8 Ga		B)		1.9 Ga				
	C)	1.5 – 1.1 Ga		D)	1.8 –	1.3 Ga				
71.	Which	is the correct order of			creasin	g porosity?				
	A)	Clay-Shale- Sandston								
	B)	Clay-Silt- Shale- Sand								
	C) D)	Shale-Sandstone-Grav Clay-Shale-Silt-Sands								
	D)	Clay-Shale-Shi-Sands	stolie-O	lavei						
72.		of the following is the				•				
		not available to the pla up by roots.	int as it	is neia	so tign	try by the sc	on that it ca	innot be		
	A)	Gravitational water		B)	Hygro	oscopic wate	er			
	C)	Vadose water		D)	Capil	lary water				
73.	At the	central part of an ocean	nic islaı	nd whic	ch is 4	m above MS	SL, the gro	undwater		
		s at 2 m MSL. At what				h-water sea-	water inter	face at that		
		on as per the Ghyben-H	_	g equati		4.0		• 0		
	A)	80 m B)	60 m		C)	40 m	D)	20 m		
74.		which condition the G	ondwar				ılly deposit	ted?		
	A)	Fluvial		B)		omarine				
	C)	Fluviolaccustrine		D)	Fluvi	oglacial				
75.		nich schist belt the Patna								
	A)	Dharwar B)	Chitra	durga	C)	Kolar	D)	Shimoga		
76.	Which	of the following magn	natic se	ries is t	ypical	of subduction	on zones?			
	)	Komatiitic			Thole					
	C)	Alkaline		D)	Calc-	alkaline				
77.	Which	is the correct statemer	nt regard	ding ox	ygen is	sotope abund	dance in wa	ater?		
	A)	Sea water is richer in	<sup>16</sup> O and	l rain aı	nd snov	w relatively	depleted in	18O		
	B)	Sea water is richer in	<sup>1</sup> O and	l rain ai	nd snov	w relatively	depleted in	1°O		
	C) D)	All natural waters have The <sup>18</sup> O / <sup>16</sup> O ratio de	e const	ant "U	of grown	atio ndivistor				
	D)	The O/ Orado de	penas o	on age c	n groui	nawatei				
78.		e does the plot of a linea	ation pl	unging	88° to	wards North	plot on a	structural		
	stereo A)	gram? Exactly at the centre		B)	Close to the centre					
	C)	·	e	D)		S at the N-S				

79.		n of the graphic thmic plot?	esentatio	ons of g	groundwater chemistry is on a semi-					
	A)	Stiff diagram			B)	Collin	s bar diagra	am		
	C)	Piper diagram	ı		D)	Schoe	ller diagran	n		
80.		is the basis of p	orimary	groupii	ng of wa	aters as	per the Stu	yfzand hy	drochen	nical
	A)	Eh			B)	рΗ				
	C)	TDS			D)	Chlori	ide content			
81.		n of the following	_		commo		-			
	A)	Nd	B)	Sc		C)	Y	D)	Pr	
82.	Hf car	nich of the follon be attributed?		e simila	·	_			ments Z	r and
	A)	Odd-Harkins			B)		anide contr			
	C)	Electronegati	ivity		D)	Simila	ar atomic m	nass		
83.		n is the most wi	idely us	ed mine			-	g?		
	A)	Apatite			B)	Zircor				
	C)	Monazite			D)	Sphen	ie			
84.		n is the most co			ired ele		_			ting?
	A)	Be	B)	U		C)	Th	D)	Не	
85.	Which	n rare-earth-elei	ment as	pect is a	a paleor			ediments'	?	
	A)	Eu anomaly			B)		depletion			
	C)	Ce anomaly			D)	HREE	E enrichmer	nt		
86.	Which	n is the highest	pressur	e polym	norph of	f silica?				
	A)	High Quartz	•		B)	Low (				
	C)	Stishovite			D)	Coesit	te			
87.	Which depos	n isotopic ratio	is relev	ant for	the isoto	opic cha	racterizatio	on of sulp	hide ore	
	A)	$^{36}S/^{32}S$			B)	$^{36}S/^{33}S$	S			
	C)	$^{34}S/^{33}S$			D)	$^{34}S/^{32}S$	S			
88.	Which	n is the correct	arrange	ment of	elemer	its as pe	r increasing	g ionic rac	dius?	
	A)	Mg-Ca-Rb-Sı	r		B)	Mg-C	Ca-Sr-Rb			
	C)	Ca-Mg-Rb-Sı	r		D)	Ca-M	Ig-Sr-Rb			
89.	Which	n among the fol	lowing	elemen	ts is inc	ompatil	ole in the m	antle pha	ses?	
	A)	Ni	B)	Cr		C)	Pb	D)	Co	

90. The silica and alkali contents of five plutonic rocks are given below. Assign appropriate names to them:

Sl. No.	SiO <sub>2</sub> wt%	(Na <sub>2</sub> O+K <sub>2</sub> O) wt.%
1	60	4
2	55	10
3	45	4
4	70	7
5	58	14

			3		45		4				
			4		70		7				
			5		58		14				
	A) B) C) D)	1-S 1-S	yenite; 2-I yenite; 2-0	Diorite; Gabbro	3-Gabbr ; 3-Diorit	o; 4-G e; 4- N	ranite; Vepheli	5-Nepheling 5- Nepheline Syenite ine Syenite	ine Sy ; 5-G	venite ranite	
91.	Whic A) C)	Kac	e principa blinite ntmorillon			Bento B) D)	onite? Illite Smed	etite			
92.	Which A) B) C) D)	From From As a	ne main soom native li m geothern a by-produ a by-produ	ithium of the second of the se	ore lls inc ore be	enefici					
93.	With A)		of the exp	ploratio B)	on technic Seismic	-	e term C)	'nanotesla' Magneti		sociated D)	l? Resistivity
94.	To w A) C)	Lar	f the categ ge-scale all-scale	ories a	-	ohotog B) D)	Medi	f 1:50,000 s um-scale small-scale		can be ş	grouped as?
95.	What A) B) C) D)	40% 60% 40%	normal ov 6 overlap a 6 overlap a 6 overlap a 6 overlap a	and 10- and 20- and 20-	20 % sid 30 % sid 30 % sid	e-lap e-lap e-lap	aerial p	bhotograph	s?		
96.	lower	r level Cor	name give than the onsequent equent	riginal	slope?	hose o B) D)		equent	origi	nal relic	ef, but at a
97.	Cadn A) B) C) D)	From From As a	s essential m cadmiui m geothern a by-produ a by-produ	m ore li mal we act of z	ike green lls inc ore be	enefici					

98. Match the economic deposits in *Group I* with their Indian occurrences in *Group II*.

> Group I Group II P. Gold 1. Amihor Q. Copper 2. Malanjkhand R.Uranium 3. Bhatin S. Sulphur 4. Hutti P-4, Q-2,R-3, S-1 B) P-4, Q-3, R-2, S-1

A)

C)

A)

C)

A)

C)

A)

C)

Spores and pollens

Discontinuities

101.

102.

P-4, Q-2, R-1, S-3

Group I

99. Match the economic deposits in *Group I* with their place of occurrence in Kerala in Group II.

Group II

D)

P-3, Q-1, R-2, S-4

P. Ilmenite 1. Punalur Q. Phlogopite 2. Pazhayangadi R.Gold 3. Chavara S. Clay 4. Attappady

A) P-4, Q-1,R-2, S-3 B) P-3, Q-4, R-1, S-2 P-3, Q-2, R-1, S-4 P-3, Q-1, R-4, S-2 C) D)

100. Match the economic deposits in *Group I* with IndianStates that produces the maximum in Group II.

Group I Group II P . Gypsum 1. Meghalaya Q. Steatite 2. Tamil Nadu 3. Uttar Pradesh R. Glass sand S. Magnesite 4. Bihar T. Sillimanite 5. Rajasthan P-5, Q-4, R-3, S-2, T-1 P-4, Q-1,R-2, S-3, T-5 B) P-3, Q-5, R-1, S-2, T-4 D) P-3, O-1, R-4, S-2, T-5 What was the pre-runner and basis for the development of Sequence Stratigraphy? Chronostratigraphy Magnetostratigraphy B) Biostratigraphy D) Seismic stratigraphy What forms the basis of Allostratigraphy?

Microforaminifera

Magmatic events

B)

D)

103.	What property of a reservoir rock is determined by a sonic tool by measuring the internal transit time?									
	A)	Effective por	osity		B)	Perce	ntage of fluid	.S		
	C)	Fluid pressur	-		D)		gas ratio			
104.	To calculate which of the following parameters, the <i>Archie's equation</i> is used in Wel-logging?									
	A)	Effective por			B)		water pressur	e		
	C)	Water-saturat	tion		D)	Oil to	gas ratio			
105.	To mo	easure which of Dip and Strik Altitude		lowing,	a field B) D)		ide and Longi		?	
106.	What A)	is the approxin 2-6 km	nate dep B)	oth range 1-4km		ich petr C)	oleum origina 5-10 km	ates? D)	10-12 km	
107.	Which satellite imagery is available as stereopairs?									
	A)	LANDSAT	B)	SPOT		C)	IRS 2	D)	IRS 3	
108.	Which technique in geological mapping involves washing and panning of soil to infer the rock underneath?									
	A)	Loaming			B)	Pacin	_			
	C)	Shadowing			D)	Trave	ersing			
109.	Which of the following rocks yields a red-brown soil on weathering and helps to infer it while mapping?									
	A)	Granite			B)		thosite			
	C)	Dolerite			D)	Carbo	onatite			
110.	Which ion reacts and breaks down ozone molecule in the stratosphere to cause ozone depletion?									
	A)	Oxygen			B)	Heliu	m			
	C)	Carbon			D)	Fluor	rine			
111.	Which mineral predominates young bauxite deposits?									
	A)	Diaspore			B)	Gibbsite				
	C)	Boehmite			D)	Kaoli	nite			
112.	For which of the following minerals, India is the largest world producer?									
	A)	Andalusite			B)		nanite			
	C)	Kyanite			D)	Coru	ndum			
113.	The presence of which of the following contaminants in drinking water is related to the risk of causing Hepatitis A?									
	A)	Bacteria	B)	Virus		C)	Arsenic	D)	Cadmium	

114.		B) Title page - Contents - Preface - Main report - Bibliography- Appendix C) Title page - Preface- Contents - Main report - Appendix - Bibliography									
115.	An item from the Bibliography of a geological report is given below: Williams J. (1996) Sulphide Copper Minerals. <i>In</i> Sulphide Ore Deposits, New Yo (McGrawHill), 1450-1483. Which crucial aspect is missing in the reference?										
	A) C)	Volume number Name of the Editor	B) D)	Journal Name Month of publication							
116.	Which gas plays critical role in the formation of photochemical smog?										
	A)	Carbon dioxide	B)	Carbon monoxide							
	C)	Sulphur dioxide	D)	Nitrogen dioxide							
117.	The emission of which of the following will be reduced by using catalytic converters in automobiles?										
	A)	•	B)	Carbon dioxide							
	C)	Nitrogen	D)	Sulphur compounds							
118.	Why most of the dams are constructed along fault zones?										
	A)	· · ·									
	B)										
	C)										
	D) Land values are lower in fault zones										
119.	Which element limits the uptake of Cadmium by plants?										
	A)	Chlorine	B)	Boron							
	C)	Zinc	D)	Aluminium							
120.	Which kind of small magnetometer is used by field geologists for quick magnetic surveys?										
	A)	Proton Precession	B)	Torsion Balance							
	C)	Flux gate	D)	SQUID							