## **GEOLOGY**

(Final)

1.	Which	is the largest Proterozoic basin of	f the Ba	astar craton?		
	(A) (C)	Vindyan Trans-Aravalli	(B) (D)	Chhattisgarh Sabari		
2.	Karst la	andforms are found in				
	(A) (C)	Proterozoic era Mesozoic era	(B) (D)	Cenozoic era Paleozoic era		
3.	Arm ch	air shaped hollow that forms in r	nounta	inous terrain, due to glacial erosion is		
	` /	Roche Moutonnee Flyggberg	(B) (D)	Cirque Fjord		
4.	Local u	inconformity is similar to				
	(A) (C)	non conformity angular unconformity	(B) (D)	para conformity disconformity		
5.	If 1 cm on an aerial photograph represents 100 m on the ground, the scale is					
	(A) (C)	1:100 1:1000		1 : 10,000 1 : 1		
6.	On the aerial photographs, man-made objects mostly appear as					
	(A) (C)	irregular shape regular shape	(B) (D)	zigzag shape discontinued shape		
7.	Polluta	nts in water bodies will cause				
	(A) (C)	high reflectance high transmittance	(B) (D)	less scattering less reflectance		
8.		al point is the point on the aer ets the image plane.	rial ph	otograph where		
	(A) (C)	principal axis optical axis	(B) (D)	secondary axis imaging axis		



9.	The evolution of facial suture in Trilobites is noticed in the following order				
	(A) (B) (C) (D)	protoparian – proparian – hypop proparian – hypoparian – gonato protoparian – hypoparian – gona hypoparian – gonatoparian – pro	oparia atopar	n – protoparian ian – proparian	
10.	The twin laws that govern polysynthetic twinning in microcline are				
	\ /	Albite and Pericline Aarlsbad and Albite	` /	Pericline and Carlsbad Albite, Pericline and Carlsbad	
11.	Which	of the following is not an alteration	on pro	duct of olivine?	
	(A) (C)	serpentine chloropharite	(B) (D)	$\mathcal{E}$	
12.	In whic	h schist belt the Kudremukh iron	ore is	situated?	
		Dharwar Bababudan	(B) (D)	· ·	
13.	What is	suralitization?			
	<ul> <li>(A) Replacement of pyroxene by amphibole</li> <li>(B) Replacement of plagioclase by epidote</li> <li>(C) Replacement of mineral by chlorite</li> <li>(D) Replacement of feldspar by mica</li> </ul>				
14.	The dia	meter of pyroclastic rock that ran	ges fr	om 2 to 64 mm is called	
	, ,	ash lapilli	(B) (D)	tuff bombs	
15.		eous rocks, mineral grains shories are called	wing	compact crystal forms with irregular	
	(A) (C)	semihedral form subhedral form	(B) (D)		



		3		
16.		s of colour index, igneous rock cribed as	ks with	a less than 30 percent of dark minerals
	(A)	microcratic	(B)	melanocratic
		leucocratic	(D)	
17.	The ign	eous rocks found in large deep-se	eated i	ntrusions are described as
	` ′	plutonic	(B)	*
	(C)	dyke	(D)	cone sheets
18.	The pro	oduct of volcanoclastic fabrics rela	ated to	fragmentation of magmatic material is
	(A)	granitoid	(B)	
	(C)	oikocryst	(D)	pyroclast
19.	Which	one of the following is important	in fîxi	ng the metamorphic grade?
	(A)	Grain size	(B)	Fabric
	(C)	Intensity of deformation	(D)	Mineral assemblage
20.	Migma	tite can be regarded as a mixed ro	ck cor	mposed of
	(A)	magmatic and sedimentary rocks	S	
	(B)	magmatic and meteorite rocks	la	
	` '	magmatic and metamorphic rocks	KS	
21.	Which	one of the following is not a stand	lard m	etamorphic facies?
	(A)	Zeolite	(B)	Granulite
	(C)	Sillimanite	(D)	Eclogite
22.	The cor	mbination of raw materials used in	n ceme	ent industry are
	(A)	limestone, sandstone and shale		
	(B)	limestone, clay, marl, oyster she	ells	
	(C)	limestone, granite and basalt		
	(D)	limestone, feldspar and magnesi	te	
23.	Which	of the following plutons is anortho	osite?	
	(A)	Angadimogar	(B)	Peralimala
	(C)	Ezhimala	(D)	Perinthatta



24.	Bauxite	e deposits result due to		
	(A) (B) (C) (D)	<b>3</b> 1	ock	
25.	In Ass	am, the oil bearing formation belo	ng to	
	(A) (C)	Surma sandstone Murree sandstone	(B) (D)	Tipam sandstone Barail sandstone
26.	Copper	mineralization in the form of mal	achite	encrustation is seen in
	(A) (B) (C) (D)	Singhbhum copper belt of Bihar		
27.	In the limesto		desh,	asbestos has developed in Vempalle
	(A) (C)	intrusive deposits volcanic deposits	(B) (D)	contact metamorphic deposits segregation deposits
28.	Hard w	rater contains large amount of		
	(A) (C)	lead calcium	(B) (D)	sodium silicon
29.	Which	one of the following has least spec	cific y	ield?
	(A) (C)	Gravel Sandstone	(B) (D)	Sand Shale
30.		aquifer with hydraulic gradient tivity (K), the discharge as per Da		cross-sectional area (A) and hydraulic aw will be equal to
	(A) (C)	K.I.A K. A/I	(B) (D)	K. I/A A/K. I



31.	Idukki dam constructed over Periyar river is an example of			
	(A) (C)	Buttress dam Embankment dam	(B) (D)	Arch dam Earth dam
32.	Which	of the following structures is seen	in co	mpressional tectonic regimes?
	(A) (C)	Normal fault Rift	(B) (D)	Strike-slip fault Thrust
33. To which mobile belt, the charnockites of Kerala belong to?				la belong to?
	\ /	Eastern Ghats Mobile belt Western Ghats Mobile belt Pandyan Mobile belt Bababudan Mobile belt		
34.	Rare ea	rth deposits of Manavalakurichi is	S	
	(A) (C)	Beach placers Eolian placers	(B) (D)	Alluvial placers Elluvial placers
35.	Neyveli	i lignite deposits occur in		
	(A) (C)	Panaparai sandstone Sriperampudur beds	(B) (D)	Varkala sandstone Cuddalore sandstone
36.	The sp	ecific gravity of monazite		
	(A) (C)		(B) (D)	3.1 2.8
37.	At Chal	lk Hills of Salem, magnesite veins	occui	in
	(A) (C)	granite dunite	(B) (D)	charnockite sandstone
38.				system is believed to the formed from which surrounded the primeval sun?
	(A) (C)	Nebular hypothesis Tidal hypothesis	(B) (D)	Planetesimal hypothesis Protoplanet hypothesis



39.	Mohoro	ovicic discontinuity marks the bas	e of	
	(A) (C)	inner core mantle	(B) (D)	core
40.	Himala	yas is an example of		
	` ′	residual mountain collision mountain	(B) (D)	volcanic mountain rocky mountain
41.	The the	ory of plate tectonics supposes th	at the	lithosphere of the Earth is made up of
	(A) (B) (C) (D)	3	ates olates	3
42.	Landfor	rms such as Eskers, Kettles Errati	cs and	Varves are due to
		glaciers rivers	(B) (D)	streams wind
43.	Shear fo	olding is also known as		
		recumbent folding isoclinals folding	(B) (D)	stress folding slip folding
44.	What is	s the age of 'Purana' basins of Ind	ian str	ratigraphy?
	` ′	Archean Paleozoic	(B) (D)	Proterozoic Phanerozoic
45.		of the following is a comporphosed argillaceous rock?	non 1	mineral in medium-grade regionally
	(A) (C)	Garnet Chlorite	(B) (D)	Staurolite Sillimantie
46.	Which	of the following is a penetrative p	lanar	structure?
	(A) (C)	Boudinage Slicken side	(B) (D)	Schistocity Imbrication



47.	7. The unconformity with parallel beds on either side and cover a large extent as represent considerable interval of time is referred as				
	(A) (C)	angular unconformity	ty	(B) (D)	disconformity non unconformity
48.	Which	of the following is no	ot of the Epid	lote gr	oup?
	(A) (C)	Zoisite Allanite		(B) (D)	
49.	-	spaced intersecting raph, are seen as	g joints in b	asic i	gneous rocks, in a small scale aerial
	(A) (C)	fine texture coarse texture		(B) (D)	rippled texture criss-cross texture
50.	In India	a, Silurian graptolites	are reported	from	
	` ′	Aravalli ranges Himalayan ranges		(B) (D)	•
51.		onformity in which to ntary rock or lava flo			e rocks are overlain unconformably by
	(A) (C)	disconformity angular unconformi	ity	(B) (D)	•
52.	The am	monoids became ex	tinct in		
	(A) (C)	Jurassic Cretaceous		(B) (D)	Triassic Permian
53.	Trace f	ossils are also known	as		
	(A) (C)	organic fossils ripple fossils		(B) (D)	ichno fossils pseudo fossils
54.	Which	one of the following	is correctly n	natche	d?
	(A) (B) (C) (D)	Schloenbachia – Ceratites – Perisphinctes – Baculites –	Lower Lias Jurassic Triassic Chalk	S	



55.	The tril	obite which does not belong t	o the Cam	brian period is
	(A) (C)	olenellus olenus	(B) (D)	paradoxides phacops
56.	Graptol	ites occur most commonly in		
	(A) (C)		(B) (D)	argillaceous rocks arenaceous rocks
57.	Which	of the following is not an oliv	rine?	
	(A) (C)	Siderite Hortonolite	(B) (D)	Hyalosiderite Tephroite
58.	Which	fault separates the North Khe	tri Belt fro	m the South Khetri Belt?
	\ /	Alwar fault Khetri fault	(B) (D)	Kantli fault Ajabgarh fault
59.	Bairenk	conda quartzites belong to		
	(A) (C)	Kistna group Cheyyar group	(B) (D)	Nallamalai group Papaghni group
60.	Which	of the following is oldest?		
	(A) (C)	Srisailam quartzites Paniam quartzites	(B) (D)	Nagari quartzite Gulcheru quartzites
61.	The fan	nous Panna diamond field of	India is fou	and in
	(A) (C)	Rewa group Kaimur group	(B) (D)	Semri group Bhander group
62.	Which	accessory mineral can be expe	ected in Qu	uartz-bearing syenite?
	(A) (C)	•	(B) (D)	Forsterite Chromite
63.	Birefle	ctance is a property analogous	s to	
	(A) (C)	birefringence pleochrism	(B) (D)	biaxiality isotropism



64.	The least angle of incidence, for which there is total reflection when visible light tends to pass from a denser into a less denser medium, is called			
	(A) (C)	extinction angle angle of dispersion	(B) (D)	•
65.	The extended	hibition of prismatic colours in the	he int	erior or on the surface of a mineral is
	(A)	fluorescence	(B)	iridescence
	(C)	opalescence	(D)	phosphorescence
66.	Carlsba	d, Baveno and Manebach twinnin	g is co	ommonly found in
	(A)	olivine	(B)	mica
	(C)	pyroxenes	(D)	plagioclase feldspars
67.	The min	neral crosstie is		
	(A)	orthoamphibole	(B)	clinoamphibole
	(C)	triclinic amphibole	(D)	amphibole devoid of sodium
68.	Which	one of the following pairs is correct	ctly m	natched?
	(A)	Olivine – Amphibole		
	\ /	Cordierite – Mica		
	(C) (D)	Orthoclase – Pyroxene Nepheline – Feldspathoid		
	(D)	Nephenne – Feldspathold		
69.	Carlsba	d law of twinnings is characteristi	c of	
	(A)	albite	(B)	oligoclase
	(C)	microcline	(D)	orthoclase
70.	The che	emical composition of leucite is		
	(A)	$NaAlSi_2 O_6$	(B)	$KAlSi_3 O_8$
	(C)	_ *	(D)	$NaAlSi_3 O_8$
	, ,	2 0		<i>3</i> 0



71.	Consider the following statements: I. Aegirine is a pyroxene II. Aegirine crystallizes in triclinic system					
	` /	Both I and II are con I is correct, but II is		\ /	Both I and II are false II is correct, but I is false	
72.	Which	one of the following	is in the pro	per ord	ler of Moh's scale of hardness?	
	(A) (B) (C) (D)	Calcite – Fluorite –	Orthoclase Apatite – O	– Gyps orthocla	sum ase	
73.	Most o	f the gem quality of c	orundum is	obtain	ed from	
	(A) (C)	pegmatites placer deposits		(B) (D)	metamorphosed deposition nepheline syenites	
74.	Zircon	is a common accessor	ry mineral c	of igneo	ous rocks particularly in	
	` ′	volcanic rocks plutonic rocks			hypa byssal rocks intermediate rocks	
75.	Which cleavag	_	is an exam	ple of	fibrous silicate with single direction of	ρf
	(A) (C)	Wollastonite Sillimanite		(B) (D)	Tremolite Kyanite	
76.	Andalu	site crystallizes in	sy	stem.		
		hexagonal monoclinic		` /	orthorhombic triclinic	
77.	Which of the following is not correctly matched?					
	(A) (B) (C) (D)	Zircon Calcite Spinel Pyrope	<ul><li>Unia</li><li>Biax</li></ul>		ositive egative	



		11		
78.				agioclase feldspar is characteristic
		spinifex rapakivi	(B) (D)	orbicular seriate
79.	A grani	itic rock having equal amount of p	olagio	clase and alkali feldspar is
	(A) (C)	rockallite adamellite	(B) (D)	enderbite trondhjemite
80.		ost distinctive feature of kimbers is the high contents of	erlite	compared with other mantle derived
	` /	Na and volatiles Ca and volatiles		K and volatiles Fe and volatiles
81.	The co	nstant proportion in which the t	wo co	nstituents crystallize simultaneously is
	(A) (C)	eutectic liquidus	(B) (D)	solidus peritectic
82.	The eur	tectic ratio for the pair diopside ar	nd ano	rthite is
	(A) (C)	35 : 65 88 : 12	` /	58:42 65:35
83.	The pro	oper order of crystallization in the	Bowe	en's reaction series is
	(B) (C)	Amphibole – Pyroxene – Mica – Pyroxene – Amphibole – Mica – Quartz – Pyroxene – Amphibole Pyroxene – Mica – Amphibole –	- Quar e – Mi	tz ca
84.	Consider the following statements:  I. Bowen's reaction principle explains the process of magma mixing.  II. Plagioclase series form the continuous reaction series  III. The early formed plagioclase in a sub-alkalic magma is andesine.  IV. All Mg-pyroxenes are derived by reaction from olivine.			
	(A) (C)	I, II and III are correct II and III are correct	(B) (D)	I and III are correct II alone is correct



85. Among the calcareous sedimentary deposits, a capillary action is			sits, a	nodular iron-rich calc sinter formed by				
	(A)	Tufa	(B)	Chalk				
	(C)	Marl	(D)	Kankar				
86.	Which	of the following minerals is otherw	wise k	nown as 'idocrase'?				
	(A)	Halite	(B)	Fluorite				
	(C)	Vesuvianite	(D)	Indicolite				
87.	The characteristic minerals formed with increasing grades of metamorphism are							
	(A)	(A) Chlorite – Biotite – Kyanite – sillimanite						
	(B)	Chlorite – Kyanite – Sillimanite	– Bio	tite				
	(C)	Biotite – Chlorite – Kyanite – Si	llimar	nite				
	(D)	Biotite – Chlorite – Sillimanite –	Kyar	nite				
88. According to Grubenmann's depth zones, amphibolite is in				hibolite is in				
	(A)	epi-zone	(B)	meso - zone				
	(C)	kata - zone	(D)	para - zone				
89.	Spodun	nene is a						
	(A)	clinopyroxene	(B)	orthopyroxene				
	(C)	amphibole	(D)	feldspar				
90.	In ligni	te, the moisture content amounts t	0					
	(A)	43%	(B)	21%				
	(C)	63%	(D)	85%				
91.	Which	one of the following minerals doe	s not e	exhibit polymorphism?				
	(A)	Andalusite	(B)	Rutile				
	(C)	Orthoclase	(D)	Biotite				
92.		one of the following minerals has ect octahedral cleavage?	steel	grey colour metallic lustre and two sets				
	(A)	Magnetite	(B)	Molybdenite				
	(C)	Barite	(D)	Galena				



A massive fine-grained, snow white or light coloured gypsum used in cement industry is			
(A) (C)	selenite satin spar	(B) (D)	gypsite alabaster
		iter or	of marine origin and usually related to
(A) (C)	peat bituminous coal	(B) (D)	lignite anthracite
The hig	hest rank of coal variety is		
(A) (C)	anthracite sub-bituminous	(B) (D)	bituminous lignite
Hemati	te is the ore mineral of		
(A) (C)	aluminium asbestos	(B) (D)	copper iron
Which one of the following is the heaviest among all?			
(A) (C)	Asbestos Coal	(B) (D)	Barite Mica
The mineral phlogopite is known as			
(A) (C)	magnesium mica potassium mica	(B) (D)	sodium mica lithium mica
Which one of the following has maximum hydraulic conductivity?			raulic conductivity?
(A) (C)	Loess Coarse sand	(B) (D)	Fine gravel Sandstone
Gahnite	e is an ore of which metal?		
(A) (C)	Pb Zn	(B) (D)	Cu Ni
	(A) (C) Cannel oil shale (A) (C) The hig (A) (C) Hematir (A) (C) Which (A) (C) The min (A) (C) Gahnite (A)	A massive fine-grained, snow white or lights  (A) selenite (C) satin spar  Cannel coals that show either of fresh was oil shales are  (A) peat (C) bituminous coal  The highest rank of coal variety is  (A) anthracite (C) sub-bituminous  Hematite is the ore mineral of  (A) aluminium (C) asbestos  Which one of the following is the heavies  (A) Asbestos (C) Coal  The mineral phlogopite is known as  (A) magnesium mica (C) potassium mica (C) potassium mica (C) Coarse sand  Gahnite is an ore of which metal?  (A) Pb	A massive fine-grained, snow white or light code is  (A) selenite (B) (C) satin spar (D)  Cannel coals that show either of fresh water or oil shales are  (A) peat (B) (C) bituminous coal (D)  The highest rank of coal variety is  (A) anthracite (B) (C) sub-bituminous (D)  Hematite is the ore mineral of  (A) aluminium (B) (C) asbestos (D)  Which one of the following is the heaviest amount (A) Asbestos (B) (C) Coal (D)  The mineral phlogopite is known as  (A) magnesium mica (B) (C) potassium mica (D)  Which one of the following has maximum hydromatically (A) Loess (B) (C) Coarse sand (D)  Gahnite is an ore of which metal?



101.	14  1. Nickel is concentrated in						
	(A) (C)		`	3) O)	pegmatite nepheline syenite		
102.	The planatesimal hypothesis was postulated by						
	(A) (C)		,	3) O)	Laplace Chamberlain and Moulton		
103. Which among the following planets has the least densit				st density?			
	(A) (C)	*	`	3) O)	Saturn Earth		
104.	Galena	crystallises in the form of					
	(A) (C)	cubes and octahedral cubes and trapzohedra	`	3) O)	cubes and rhombohedra cubes and dodecahedra		
105.	05. Olivine crystallises in system.						
	(A) (C)			3) O)	monoclinic orthorhombic		
106.	6. Sittampundi complex is famous for						
	(A) (C)	anorthosite granite	`	3) ))	<u> </u>		
107.	07. Which one of the following formations is devoid of fossils?				id of fossils?		
	(A) (C)	Blaini Krol	`	3) O)	Infra krol Tal		
108.	Column	nar joints are common in					
	(A) (C)	basalt gabbro	`	3) O)	shale granite		
109.	The ver	The vertical component of the dip slip in a fault is					
	(A) (C)	hade throw	(E (I		slip heave		



110.	Which one of the following folds has sharp and angular hinges?				
	(A) (C)	Chevron fold Fan fold	(B) (D)	Drag fold Anticline	
111.	What is	s the use of 'dip isogons'?			
	(A) (B) (C) (D)	For calculating true dip from ap For representing orientation of f For classifying faults and joints. For classifying folds.	aults.	dip.	
112.	Three s	ets of mutually perpendicular join	nts fou	and in granites is	
	(A) (C)	mural joint columnar joint	(B) (D)	stress joint shear joint	
113.	When the lower beds of the older series extend further than the younger ones, it is called				
		over lap inlier	(B) (D)		
114.	The thread like prolongations of graptolites are called				
	(A) (C)		(B) (D)	stipes polypary	
115.	The most primitive suture line in trilobites is described as				
	(A) (C)	hypoparian proparian	(B) (D)	opisthoparian gonatoparian	
116.	Gastropod having spines and exhibiting dextral type of coiling is				
	(A) (C)	turritella voluta	(B) (D)	physa murex	
117.	The firs	st land plant appeared in			
	(A) (C)	Silurian Devonian	(B) (D)	Ordovician Carboniferous	



118.	Trilobit	tes disappear at the end of		
	` /	Cretaceous Precambrian	. /	Pliocene Permian
119.	Taxodo	onta dentition is found in		
	(A) (C)	arca pecten	(B) (D)	mytilus Unio
120.	The firs	st dinosaurs appeared in		
	(A) (C)	early Triassic early Jurassic	(B) (D)	late Triassic late Jurassic
121.	The wa	ater entrapped in the sedimentary	rock	during their sedimentation process is
	(A) (C)	Juvenile water Meteoric water	(B) (D)	Connate water Vadose water
122.	A majo	rity of aquifers consists of		
	(A) (C)	sand and gravel limestone	(B) (D)	shale conglomerate
123. Which one of the following has the highest porosity?			osity?	
	(A) (C)	Gravel Silt	(B) (D)	Clay Granite
124.	The ave	erage porosity of sandstone is		
		5-10% 25-35%	(B) (D)	10-20% 35-40%
125.	Where	is confined water found?		
	(A) (B) (C) (D)	Above the water table Between aquiclude and aquifer Below the water table Below an impermeable bed		



126.	17 26. Gutenberg discontinuity layer occur at a depth of					
	` /	60 kms 2730 kms	(B) (D)			
127.	Which	one of the following minerals crys	stallis	es in the cubic system?		
	(A) (C)	Pyrite Chalcopyrite	(B) (D)			
128.	In an o	rthorhombic crystal, the 'a' axis is	s knov	vn as		
	` /	macro axis clino axis	(B) (D)	brachy axis ortho axis		
129.	Pinacoi	d or Dome faces occur in the crys	tals b	elonging to		
		monoclinic system tetragonal system		cubic system hexagonal system		
130.	The fracture which involves the development of more or less smooth curved surfaces is referred as					
	` /	uneven conchoidal	(B) (D)	even hackly		
131.	. The refractive index of Canada balsam is					
	` /	1.52 1.56	(B) (D)	1.54 1.58		
132.	. Minerals belonging to monoclinic and triclinic systems show					
	(A) (C)	parallel extinction symmetrical extinction		oblique extinction irregular extinction		
133.	3. Which minerals cannot exhibit interference colours and birefringence?					
	(A) (C)	Isotropic minerals Metallic minerals	(B) (D)	Anisotropic minerals Non-metallic minerals		
134.	Plagioc	lase feldspar series crystallize in				
	(A) (C)	monoclinic system orthorhombic system	(B) (D)	triclinic system hexagonal system		



135.	The che	emical composition of forsterite is		
		$Mg_2 SiO_4$ $2Mg_2 SiO_8$	(B) (D)	$Fe_2 SiO_4$ $2Fe_2 SiO_8$
136.	6. Snighbhum and Bundlekhand granites are examples of			nples of
		Lopolith Batholith	. /	Laccolith Phacolith
137.	7. Texture characteristic of lamprophyres is texture			
	, ,	ophitic porphyritic		panidiomorphic poikilitic
138.	An exa	mple of monomineralic rock is		
		peridotite dolerite		dunite diorite
139.	Interme	ediate rock with no free quartz is		
		Dacite Andesite	` /	Basalt Dunite
140.	Which one of the following is an arenaceous rock?			
		Basalt Mudstone		Siltstone Marl
141.	What is	the range of inter-limb angle of f	olds?	
		$0-90^{\circ} \ 0-180^{\circ}$		$45 - 90^{\circ}$ $0 - 360^{\circ}$
142.	Which	one of the following rock is unfoli	iated?	
	(A) (C)	Slate Phyllite	(B) (D)	Schist Hornfels



143.	Which mineral family is classed as dio-ctahedral and tri-octahedral types?					
	(A) (C)	Garnet Amphibole		Pyroxene Clay		
144.	An example for the origin of iron ore deposits due to oxidation is					
	(A) (C)	limonite magnetite	(B) (D)	hematite pyrite		
145.	The chi	ef class of manganese ore mineral	is			
	(A) (C)	oxide minerals silicate minerals	(B) (D)	carbonate minerals sulphide minerals		
146.	An exa	mple of fertilizer mineral is				
	` ′	malachite magnesite	(B) (D)	molybdentie apatite		
147.	Plastic clay with high alumina content is					
	(A) (C)	Kaolin clay ball clay	(B) (D)	refractory clay tile clay		
148.	Which one of the following minerals is known as peacock ore?					
	(A) (C)	Bornite Pyrrhotite	(B) (D)	Chalcopyrite Pentlandite		
149.	In sedimentary rocks, undulations produced on the surface of loose sediments due to action of wind or waves in shallow water body are known as					
	(A) (C)	Mud cracks Ripple marks	(B) (D)	Rain prints Tracks and Trails		
150.	Barite powder is used as					
	(A) (C)	refractory brick drilling mud	(B) (D)	washing powder abrasive		

