60914		
ROLL No.		

TEST BOOKLET No.

146

TEST FOR POST GRADUATE PROGRAMMES

GEOLOGY

Time: 2 Hours

Maximum Marks: 450

INSTRUCTIONS TO CANDIDATES

- You are provided with a Test Booklet and an Optical Mark Reader (OMR) Answer Sheet to mark your responses. Do not soil the Answer Sheet. Read carefully all the instructions given on the Answer Sheet.
- 2. Write your Roll Number in the space provided on the top of this page.
- 3. Also write your Roll Number, Test Code, and Test Subject in the columns provided for the same on the Answer Sheet. Darken the appropriate bubbles with a Ball Point Pen.
- 4. The paper consists of 150 objective type questions. All questions carry equal marks.
- 5. Each question has four alternative responses marked A, B, C and D and you have to darken the bubble fully by a Ball Point Pen corresponding to the correct response as indicated in the example shown on the Answer Sheet.
- 6. Each correct answer carries 3 marks and each wrong answer carries 1 minus mark.
- 7. Space for rough work is provided at the end of this Test Booklet.
- 8. You should return the Answer Sheet to the Invigilator before you leave the examination hall. However, you can retain the Test Booklet.
- 9. Every precaution has been taken to avoid errors in the Test Booklet. In the event of any such unforeseen happenings, the same may be brought to the notice of the Observer/Chief Superintendent in writing. Suitable remedial measures will be taken at the time of evaluation, if necessary.

GEOLOGY .

1.	The ma	antle of weathered prod	luct above th	e bedrock is termed a
	(A) (C)		(B) (D)	Laterite Protolith
2.	Name o	f the side of the dune v	vith gentle sl	ope
	(A) (C)	Fore ward Windward	, ,	Leeward None of the above
3.	Which i	s the correct sequence	of ranking o	f coal?
	(C)	lignite – peat – bitum lignite – peat – anthra peat – lignite – anthra peat – lignite – bitum	acite – bitum acite – bitum	inous inous
4.	The sha	pe of the valley created	l by glaciers	
		extended V shape V shape	(B) (D)	U shape extended U shape
5.	How we	name the rivers that a	re divided an	d reunited?
		River branching Denuded rivers	(B) (D)	Sedentary rivers Braided rivers
6.	What is	the specific gravity of	native gold?	,
	(A) (C)	11 16	(B) (D)	13 19
7.	Cretace	ous of Trichinopoly is	a good exam	ple for
		Marine regression Marine transgression	(B) (D)	C

(A) Talc (C) Quartz

	2	
8.	Guyots are	
	 (A) Flat topped sea mounts (B) Angled sea rises (C) Marine deposits (D) Round topped sea mo 	unts
9.	Outliers are	
	 (A) older rocks surrounded by younger rocks (B) upper beds extend down (C) younger rocks surrounded by older rocks (D) older rocks surrounded by younger rocks 	
10.	The angle between the normal to the faces of a crystal is	
	(A) Zone angle (B) Edge angle (C) Interfacial angle (D) All of the above	
11.	The type mineral of the rhombohedral division of hexagonal syste	m is
	(A) Calcite (B) Beryl (C) Zincite (D) Baryte	
12.	Name the class that has no plane, no axis and no centre of symmet	тy
	 (A) Isometric asymmetric class (B) Triclinic asymmetric class (C) Monoclinic asymmetric class (D) All of the above 	
13.	How do we term the colour of the mineral powder?	
	(A) Tarnish (B) Opalescence (C) Streak (D) None of the above	
14.	The most common mineral with conchoidal fracture is	

(B) Diamond(D) Calcite

15.	What	is the name of the mineral th	at yiel	ds flexible - elastic plates?
	(A)		(B) (D)	
16.	What	is the silicon oxygen ratio fo	r Soros	silicates?
	(A) (C)		(B) (D)	
17.	The vi	olet coloured quartz mineral	is	
	(A) (C)	Blood stone Citrine	(B) (D)	Diatomite Amethyst
18.	The lit	hium bearing pyroxene is		
	(A)		(B) (D)	21
19.	Match	the following minerals with	their p	laces of occurrence.
	P – gr Q – pl R – ilr S – cla	nlogopite 2 – Thod nenite 3 – Chav	upuzha ara	
	(A) (C)	P-1, Q-2, R-3, S-4 P-1, Q-2, R-4, S-3	(B) (D)	P-2, Q-1, R-3, S-4 P-2, Q-1, R-4, S-3
20.	The audirectio	ngle between the crystall	ograph	ic direction and vibration
	(A) (C)	Extinction angle Interference angle	(B) (D)	Isotropic angle Polarizing angle
21.	Twinkli	ng is best seen in		
	(A) (C)	Topaz Zircon	(B) (D)	Beryl Calcite

HREHHU

22.	2. Nicol prism below the stage is		
	(A) (C)	(D) Illiary Sci	
23.	What is	s the age of Lilang system of India?	
	(A) (C)	Jurassic (B) Triassic Permian (D) Mio-Pliocene	
24.	The cha	aracteristic fossil of upper Gondwana	
	(A) (C)	Glossopteris Ptilophyllum (B) Gangamopteris (D) None of the above	
25.	The ma	arine transgression universal of Cretaceous period	
	(A) (C)	Cenomanian Cimmerian (B) Anamanian (D) None of the above	
26.	The Colassific	retaceous rocks of Trichinopoly have a fold cation	
	(A)	Bi - fold (B) Tetra - fold Tri - fold (D) Penta - fold	
27.	The geo	ological term for trace fossils is	
	(A) (C)	Ichno fossils (B) Taphonomic fossils Bed fossils (D) None of the above	
28.	The Phy	ylum in which Pelecypoda are present is	
	(A) (C)	Phylum Coelentrata (B) Phyllum Gasteropoda Phylum Mollusca (D) None of the above	
29.	The typ	e of dentition seen in Arca is	
	(A) (C)	Dysmodont (B) Eduntulus Conodont (D) Taxodont	

30.	Rocks with partly crystals and p	partly glass are
	(A) Holocrystalline(C) Holohyalline	(B) Merocrystalline(D) Spherocrystalline
31.	The vermicular intergrowth between called as	ween quartz and feldspar forms texture
	(A) Corona (C) Myrmekitic	(B) Perilitic(D) Devitrification
32.	The volcanic equivalent of granit	te is
	(A) Dolerite (C) Monzonite	(B) Rhyolite (D) Norite
33.	The sedimentary rock with nodul	ar forms of CaCO ₃
	(A) Kankar (C) Chert	(B) Greywake (D) Grit
34.	The Sandstone rich in feldspar	
	(A) Flagstone (C) Tillite	(B) Arkose(D) None of the above
35.	The clastic rock composed of angu-	
	(A) Breccia (C) Geode	(B) Conglomerate (D) Arkose
36.	First to propose facies concept in 1	netamorphism
	(A) Boass (C) Eskola	(B) Miyashiro (D) Raymond
37.	Metamorphic phase rule	
	(A) F=C+2-P (C) F=C+2+P	(B) F=C-2+P (D) None of the above
	· · · · · · · · · · · · · · · · · · ·	

38.	What is extracted	s the common term ed?	used to a miner	al from which a metal can be
	(A)	Ore	(B)	Gangue
	(C)	Tenor	(D)	None of the above
39.	Epigen	etic minerals are for	med	to the enclosing minerals.
	(A)	same time	(B)	later
	(C)	concentrated	(D)	dissemination
40.	Gypsur	n is the most comm	on deposit of	
	(A)	Sublimation	(B)	Filter pressing
	(C)	Vein	(D)	Evaporation
41.	The dep	posits formed in the	anticlinal crest	s of folded regions are
	(A)	Galleries	(B)	Gash veins
	(C)	Saddle reef	(D)	Vugs
42.	High te	mperature deposits	near the intrusi	on are
	(A)	Hypothermal	(B)	Mesothermal
	(C)	Epithermal	(D)	Migmatites
43.	The Ca	ppings or indicators	present above	the zone of enrichment
	(A)	Boxworks	(B)	Gossans
	(C)	Placer	(D)	Metasomatic
44.	Fire pro	oof materials are pro	oduced from the	e mineral
	(A)	Asbestos	(B)	Gypsum
	(C)	Chromite	(D)	
45.	What is	s the other term used	d to denote heav	vy spar?
		Iron ore		Barytes
	(C)	Nickel	(D)	None of the above
		A Company of the Comp		

46.	Mica i	s most commonly us	sed as			
	(A) (C)			(B) (D)	Moderators Insulator	
47.	The ag	e of Assam oil field	is			
	(A)	Tertiary Cretaceous		(B) (D)		
48.	How o	lo we call the up heric pressure?	per surf	ace o.	f Zone of saturation	under
	(A) (C)	Water table Darcy's line		(B) (D)	Aquifer None of the above	
49.	The lav	v controlling lamina.	r flow of	under	ground water	
	(A) (C)	Reynolds law Darcy's law		(B) (D)	Taylor's law All of the above	
50.	The dep	osits that grow upw	ard from	the gr	round	
	(A) (C)	Stalagmite Drip stones		(B).	Stalactites None of the above	
51.	Water re	eceived from rainfal	1			
	(A) (C)	Juvenile water Connate water		(B) (D)	Meteoric water Spring water	
52.	The inst	rument used for radi	oactive s	urvey		
	(A) (C)	Geiger Counter Reflection meter			Resistive reader All of the above	



53.	A stream	m that maintai	ns same cour	se al	ter uplistment i	n an area is
	(A)	Consequent		(B)	Subsequent	
	(C)	Resequent		(D)		
54.	A plutor mafic m	nic rock of the ineral	gabbro clan w	vith h	sypersthenes as t	he dominant
	(A)	Norite		(B)	Websterite	
				(D)		
55.	When u body, its	niform or hyd	rostatic comp	ressiv	ve pressure is a	pplied on a
	(C)	volume decrea specific gravity volume decrea volume increas	decreases ses but specific	c grav	in specific gravi vity increases vity decreases	ty
56.	Stratigra	phically a non	marine format	ion		
	(A) (C)	Karewa format Uttathur forma	ion tion	(B) (D)	Umaria bed Uttathur stage	
57.	Match the Group II	he mineral in	Group I with	h the	eir industrial ap	plication in
	Grou	I q	Group II			
	P – kya:	nite	l – gemstor			
		ysoberyl	2 – abrasive			
	R - con	undum	3 – cement	ven i		
	S – gyp	sum	4 – refracto	гу		
	(A)	P-1 0-2 D	2 0 1	(D)	D 4 0 2 5	
	(C)	P-1, Q-2, R	-3, 3-4 -4, S-3	(D)	P-4, Q-2, R P-4, Q-1, R	-1, S-3 -2, S-3

58.	The indicatrix of a biaxial crystal is represented by			
	(A) (C)	a sphere an oblate spheroid	(B) (D)	biaxial ellipsoid triaxial ellipsoid
59.	A fold	with horizontal axial plane		
		Conjugate fold Fan fold		Recumbent fold Chevron fold
60.	Which classifi	of the following is not a cation?	Fem	ic Group mineral in CIPW
	(A) (C)		(B)	Apatite Wollastonite
61.	Which	of the following has least silic	ca con	itent?
	(A) (C)	Limburgite Trachyte	(B) (D)	Komatiite Tholeiite
.62.	The abu	undant vertebrates found durin	ng De	vonian period are
	(A) (C)	Dinosaurs Frogs	(B) (D)	Crocodile Fishes
63.	The ten	n "inselberg" refers to		
	(A) (B) (C) (D)		wind ul eros	sion
64.	An imp	ermeable aquifer neither yield	ls nor	holds water
	(A) (C)	Aquiclude Aquitard	(B) (D)	Aquifer Aquifuge

65.	The fir	st Dinosaurs a	opeared in			
	(A) (C)	Triassic Jurassic		(B) (D)		
66.	Radial	drainage patter	ms are chara	cteristic	cally associated with	
	(A) (B) (C) (D)	Steep sloped Intensively fo	volcanoes olded rocks	with va	riegated strength	
67.	Which	of the followin	g is the fund	lamenta	l unit of geological tir	ne?
	(A) (C)	Era Epoch		(B)	Eon Period	
68.	The ma	ntle rocks do n	ot contribute	to the	magnetic anomalies b	ecause
	(A) (B) (C) (D)	mantle does n rocks of mant magnetic field temperature in	ot posses me le contain m	etallic io ore silio s consta	ons cate minerals	
69.	Pick out	the stratigrapl	nic formatio	n with l	argest and varied plar	nt fossil
	(A) (C)	Damuda form Rajmahal form		(B) (D)	Barakar formation Ranigunj formation	
70.	Age of I	Muth-Quartzite	is			
	(A) (C)	Ordovician Cambrian		(B) (D)	Devonian Silurian	

71.	Which tempe	of the following is in correct decreasing order of crystallizing rature?
	(A) (B) (C) (D)	Diopside - Forsterite Anorthite - Albite Forsterite - Diopside - Albite - Anorthite
72.	Which sedime	of the following is a measure of the symmetry of distribution of nt grain size?
	(A) (C)	Sphericity (B) Roundness Kurtosis (D) Skewness
73.	As con	apared to sand stones, the shales have
	(A) (B) (C) (D)	higher porosity and permeability lower porosity and permeability higher porosity and lower permeability lower porosity and higher permeability
74.	Pardox	ides is an example of
	(A) (C)	Protoparian (B) Hypoparian Opisthoparian (D) Proparian
75.	The hos	t rock for petroleum in the Bombay Off-shore basin is
	(A) (C)	Shale (B) Sandstone Greywacke (D) Limestone
76.	Which overlain	of the following stratigraphic units is both underlain and by basic flows?
	(A) (C)	Lameta Beds (B) Bagh beds Kaladgi beds (D) Cardita beaumonti beds

⁽A) 1:2 (C) 1:4

77.	Cross-h	atched twinning is cl	naracteristic o	f	
	(A)	Microcline	(B)	Orthoclase	
	(C)	Quartz	(D)	Staurolite	
	(0)	A	(D)	Stationic	
78.	The vol	canic equivalent of N	lepheline Sye	nite is	
	(A)	Tinguite	(B)	Ijolite	
	(C)	Phonolite	(D)	Nephelinite	
79.	Hydrox	yl bearing minerals a	re typically al	osent in rocks of	
	(A)	Hornfels Facies	(B)	Granulite Facies	
	(C)	Eclogite Facies	(D)	Zeolite Facies	
30.	Plumba	go is another name for	or		
	(A)	Stibnite	(B)	Molybdenite	
	(C)	Cinnabar	(D)	Graphite	
31.	A Mone	omineralic rock of Ca	ilc-Plagioclas	e is called	
	(A)	Dunite	(B)	Anorthosite	
	(C)		(D)	Lamprophyre	
32.	The Mi	ller's symbol for para	ımeters 2a:3b	4c will be	
	(A)	(643)	(B)	(432)	
	(C)	(234)	(D)	(341)	
33.	Among	the following, which	mineral has	highest specific gravity?	
	(A)	Barite	(B)	Chromite	
*	(C)	Cinnabar	(D)	Galena	
84.	The mi	neral epidote is forme	ed due to the p	process of	
	(A)	Serpentinisation	(B)	Saussuritisation	
	(C)	Sericitisation	(D)	Kaolinisation	

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92. The intergrowth texture produced between Quartz and Sodic plagioclase is

(A) Symplectitic

(B) Graphic

85.	In pyr	oxenes the Silico	n-Oxygen ra	atio is		
	(A)			(B)		
86.	The sy	ymmetry of a crys	stal depends	upon		
	(A) (B) (C) (D)	Shape and size Space lattice at	of the face		ition	
87,	Spinif	ex texture is com	non in			
		Lherzolite Komatiite		(B) (D)	0	
88.	Minera	al with six direction	onal cleavag	es		
		Muscovite Chalcopyrite		(B) (D)	Sphalcrite Fluorite	
89.	Which	one of the follow	ing is not a	clino- _l	pyroxene?	
	(A) (C)	Hedenbergite Aegerine		(B) (D)	2 1	
90.	Instrum	ent used to measu	are the attitu	ide of	bed is called	
	(A) (C)			(B) (D)	Clinometer Altimeter	
91.	A mine	ral used as rat-poi	son			
	(A) (C)	Cerussite Witherite		(B) (D)	Anglesite Siderite	

2.	The ir plagioc	ntergrowth texture produ lase is	iced be	tween Quartz and	Sodic
	(A)	Symplectitic	(B)	Graphic	
	(C)	Myrmekitic	(D)	Perthitic	
3.	Pick ou	t the Iron rich Garnet			
	(A)	Almandine	(B)	Andradite	
	(C)		(D)	Pyrope	
)4.	The val	ue of Birefringence in Qua	rtz is		
	(A)	0.005	(B)	0.003	
	(C)	0.054	(D)	0.009	
)5.	In a me	andering stream			
	(A)	erosion is prominent at the	e inner s	ide of the bend	
	(B) (C)	erosion is prominent at the			
	(D)	stream has uniform water- stream has uniform chann			
96.	Differe	ntiation of magmas by them	mal grad	ient is called	
	(A)	Fractional crystallisation	(B)	Soret effect	
	.(C)			Gaseous transfer	
97.	Gossan	s indicate a buried			
	(A)	Hydrothermal vein	(B)	Placer	
	(C)	Sulphide enrichment	(D)	Residual deposit	
98.	Sukind	a in Orissa is famous for hi	gh grade		
	(A)	Platinum ore	(B)	Chromium ore	
	(C)	Gold ore	(ID)	Mercury ore	
			10.00		

99.	Which of the following sediments has smallest particle diameter				
	(A) (C)	Sand Gravel	(B) (D)	Silt Clay	
100.	The sul	phide mineral often occult w	ithin L	ignite beds is	
	(A) (C)	Magnesite Malachite		Marcasite Margarite	
101.	The Sal	ine series is associated with	volcan	ic rocks belonging to	
	(A) (C)		(B) (D)	Panjal Traps Khewra Traps	
102.	Lameta	beds of Jabalpur represent			
	(A) (C)	Marine facies Fluvio-lacustrine facies	(B) (D)	Volcanic facies Reverine facies	
103.	A rock	with Omphacite is			
	(A) (C)	Ophiolite Eclogite	(B) (D)	*	
104.	The fir	st glacial advance has been t	ermed	as	
	(A) (C)		(B) (D)		
105.	Peritec	tic temperature of Olivine –	Pyroxe	ene conversion is at	
	(A) (C)	1557°C 1889°C	(B) (D)	1553°C 1118°C	

16 106. Pick out the correct order of Quartzites of Cuddapah System from (A) Gulcheru - Bairenkonda - Irlakonda - Srisailam Gulcheru - Irlakonda - Bairenkonda - Srisailam Bairenkonda - Gulcheru - Irlakonda - Srisailam (C) (D) Bairenkonda -- Irlakonda -- Gulcheru -- Srisailam The primitive Cephalopod 107. (A) Ammonites (B) Belemnites (C) Ceratite (D) Desmocerus Arrange the following fossils according to their age from older to 108. younger (I) Pliopithecus (II) Monograptus (III) Pardoxides (IV) (A) I, II, III, IV (B) III, IV, II, I (C) III, II, IV, I (D) I, IV, II, III 109. On a Survey of India toposheet number 58 J/9, a distance of eight centimetres between two points represents an actual ground distance of 4 Kilometres (B) 2 Kilometres (C)8 Kilometres (D) 16 Kilometres 110. Hornfelsic rocks are characteristically formed due to (A) Regional metamorphism (B) Contact metamorphism (C) Cataclastic metamorphism (D) Plutonic metamorphism The lower and middle Triassic deposits were dominated by ammonoids 111.

(B) Ceratite suture

(D) Ammonitic suture

(A) Goniatite suture

(C) Nautiloid suture

112.	Which of the following rivers is flowing through a rift valley?					
8.7	(A) (C)	2	(B) (D)	Krishna Brahmaputra		
113.	Brecci	a and Conglomerate differ	mainly is	n their		
	(A) (C)		(B) (D)	Grain shape Depositional environment		
114.	Pick ou	it the non-sulphate ore:				
	(A) (C)		(B) (D)	Gypsum Strontianite		
115.	Calcare	eous clay is known as				
	(A) (C)	Bentonite Guano	(B) (D)	Marl Caliche		
116.	Folds h	aving sharp hinges and sme	ooth side	es are termed as		
	(A) (C)	Concertina folds Cuspate folds	(B) (D)	Concentric folds Chevron folds		
117.	The dee	epest trench Marianas is loc	ated in			
	(A) (C)	Pacific Ocean Indian Ocean	(B) (D)	Atlantic Ocean Artic Ocean		
118.	Which inequila	one of the following forteral?	ossils is	bivalved, equivalved and		
	(A) (C)	Turritella Terebratula	(B) (D)	Turrilites Trigonia		
119.	The ozo	one layer is located in the				
	(A) (C)	Ionosphere Stratosphere	(B) (D)	Troposphere Mesosphere		

120.	Pick out the twinning law characteristic of Quartz						
	(A) (C)	Bragg's law Carlsbad law		(B) (D)	Dauphine law Pericline law		
121.	The de	vice used to me	asure the inte	rfacial	angle in a crystal is	called	
	(A) (C)	Sclerometer Clinometer		(B)	Goniometer Pedometer		
122.	Nemato	blastic texture	is characteris	tic of			
	(A) (C)	Amphibolite Carbonotite		(B) (D)	Trachyte Dolerite		
123.	Pick or enrichn	ut the copper	ore mineral	that o	do not occur as s	supergen	
	(A) (C)	Chalcopyrite Chalcocite			Bornite Cuprite		
124.	Loess is	s a product of d	eposition for	ned by			
	(A) (C)	Oceans Glacier		, ,	Wind River		
125.	Which	of the following	g is not a man	tle roc	k?		
	(A)	Lherzolite Chondrite		,	Peridotite Eclogite		
126.	Pick ou	t the wrong ma	tch from the	followi	ng pairs		
	(A) (B) (C) (D)	Tourmaline – Anthophyllite Diopside - Sin Tale – Framey	 Double Chain Sil 	ain Sil	icate		

127.	Becke test is carried out to find out the					
	(A) (B) (C) (D)	Relative refractive index of Pleochroic scheme of a mine Order of interference colour Relative hardness of a mine	eral of a r			
128.	The bo	undary between Mantle and	Core	of the Earth is located at	a	
	(A) (C)	900 Km. 2900 Km.	(B) (D)	1900 Km. 3900 Km.		
129.	Which	one of the following is not a c	diagno	ostic property of Kyanite?		
	(A) (C)	Inclined Extinction Bladed Nature	(B) (D)			
130.	A geom	orphic feature produced at di	verge	nt plate boundary is	r.	
	(A) (C)	Guyot Oceanic Ridge	(B)	lceland Arc Folded Mountain Belt		
131.	The hortermed:	rizontal displacement of the	fractu	red ends of a rock stratum	is	
	(A) (C)	Rake Heave	(B) (D)	Throw Plunge		
132.	Swallov	w-tail twinning is characterist	cic of			
	(A) (C)	Albite Gypsum	(B) (D)	Rutile Fluorite		
133.		s which flow in the opposite of are described as	directi	on to the original consequen	nt	
	(A) (C)	Subsequent Insequent	(B) (D)	Obsequent Resequent		
				•		

13		ad gently sloping base of a stood and sand	ng bedrock si eper slope a	urface nd is	with low relief that is usually covered with	situate alluvia
	(A)			(B)		
13.	5. The Te	thys Sea was lo	cated between	217		
1 ×	(A) (B) (C) (D)	North Americ Eurasia and A	a and Eurasi frica	Ameri a	Ca	
136	. The Or	dovician is kno	wn as the ago	of		
	(A)	Brachiopods Fishes		(B) (D)	Dinosaurs Graptolites	
137	Which	of the following	is not of ma	rine ha	abitat?	
		Pelecypods Crinoids		(B) (D)	Cephalopods Brachiopods	
138.	Which o	of the followingeneration?	g tectonic s	ettings	does not contribute	to the
	(C)	Constructive P Conscrvative P Consuming Pla Marginal Ocea	late boundar te boundary	, y		
139.	Ophicalc	ite is a rock ma	de up of			
	(A) (C)	Serpentine and Calcite and Chl	Calcite orite	(B) (D)	Scrpentine and Chlori Calcite and Dolomite	ite

140.	Which one of the following crystal forms has (hhl) symbol?					
	(A) (C)	Hexoctahedron Tetrahexahedron	(B) (D)	•		
141.	Which	of the following is not an ope	n forr	n?		
	(A) (C)	Prism Pinacoid	(B) (D)	Tetrahedron Pedian		
142.	Which	is the most abundant element	in the	Earth's crust?		
	(A) (C)	Si Fe	(B) (D)			
143.		s the difference between the f the Earth?	e pol	ar radius and the equatorial		
		21.4 Km 41.4 Km		31.4 Km 51.4 Km		
144.	How m	any faces a rhombohedron po	ssess	es?		
	(A)		(B)			
145.	A fold	with an inter-limb angle of 20)° can	be classed as		
	(A) (C)	open tight	(B) (D)	close broad		
146.	Which	is the tabular concordant intr	usion'	?		
	(A) (C)		(B)			
	25					

147. Match the following

P - Neogene 1 - Devonian
Q - Paleogene 2 - Miocene
R - Mesozoic 3 - Eocene
S - Paleozoic 4 - Triassic

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

148. The base of Cambrian is at

(A) 541 Ma (C) 561 Ma

(B) 551 Ma (D) 571 Ma

149. Which is the following is not an ore of iron?

(A) Magnetite (B) Hematite (C) Ilmenite (D) Siderite

150. Which clay mineral is known commercially as "china clay"?

(A) Kaolinite (B) Illite (C) Smeetite (D) Dickite