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110	F 100 PU_2015_367_New average thickness of a lithospheric plate is approximately:- 35 km 100 km 5 km
104	F 100 PU_2015_367_New inst hat crystallize to a significantly larger size than those of the matrix, in an igneous rocks are ed:- Relic inclusions Porphyroblasts Xenoliths Phenocrysts
114	F 100 PU_2015_367_New acturally quartz is a:- Framework silicate Ring silicate Isolated slilicate Chain silicate
126	F 100 PU_2015_367_New yroxine mineral having equal amount of CaO and FeO molecules is known as:- Bronzite Pigeonite Diopside Hedenbergite
153	F 100 PU_2015_367_New high pressure polymorph of silica, coesite, stishovite, may be associated with:- Contact metamorphism Impact metamorphism Burrial metamorphism

0	Hydrothermal metamorphism
159	F 100 PU_2015_367_New least stable mineral in clastic detritus is:-
0	Quartz
0	Olivine
0	Hornblende
0	Amphibole
111 A cr	f 100 PU_2015_367_New ystal appears unchanged when rotated 180°. Such an axis of rotation is axis of:-
0	2-fold symmetry
0	3-fold symmetry
0	4-fold symmetry
0	1-fold symmetry
139	F 100 PU_2015_367_New d with alternate sharp and broad hinges are called:- Cuspate fold Box fold Chevron fold Concentric fold
140	f 100 PU_2015_367_New e axial planar cleavage is steeper than the dip of the fold limb, then limb is called:-
0	Overturned limb
0	Inverted limb
0	Normal limb
0	Back limb
156	PU_2015_367_New aggregate of sediment consists of particles that are all about the same size, it is said to be:-
0	Sandstone
0	Lithified

0	Well sorted
100	of 100 PU_2015_367_New parse grained rock mainly composed of orthopyroxene and plagioclase is called as:-
0	Gabbro
0	Harzburgite
0	Norite
0	Lherzolite
109 Con	of 100 PU_2015_367_New tinental crust is higher in elevation than oceanic crust because:-
0	It is denser than oceanic crust
0	It is more buoyant than oceanic crust
0	It is older than oceanic crust
0	It is younger than oceanic crust
113	of 100 PU_2015_367_New ctronegativity of elements increases:-
О	In atoms that have partially filled outer shell
0	With decrease in neutrons
0	From left to right of the Periodic table
0	From right to left of the Periodic table
124	of 100 PU_2015_367_New ch one of the following is permitted in the Miller's indices?
0	Fractions
0	Infinity
0	Zero
0	Real numbers
135	of 100 PU_2015_367_New dominant magma that erupted during the Deccan Volcanism is:-
0	Tholeritic basalt
0	Alkali basalt
0	Trachyte

0	Andesite
150 In th	of 100 PU_2015_367_New ne triangular ACF diagrams used to designate the mineralogical and chemical composition of amorphic facies, the 'A' apex represent:-
0	$Al_2O_3 + Fe_2O_3 - Na_2O - K_2O$
0	AI_2O_3
0	$Al_2O_3 + Na_2O + K_2O$
0	$Al_2O_3 + Fe_2O_3 - K_2O$
101 Whi	of 100 PU_2015_367_New ich of the following is a concordant intrusive body?
0	Cone sheet
0	Lopolith
0	Stock
0	Ring dike
148	of 100 PU_2015_367_New lydrous rocks are characteristically present in rocks belonging to:-
0	Granulite facies
0	Amphibolite facies
0	Greenschist facies
0	Eclogite facies
119	of 100 PU_2015_367_New ich one of the following minerals crystallize in the Orthorhombic system?
0	Calcite
0	Aragonite
0	Dolerite
0	Rhodochrosite
155	of 100 PU_2015_367_New ich of the following is detrital sediment?
0	Quartz sand
0	Graded bedding

0	Broken sea shells
\circ	lons in solution
127	of 100 PU_2015_367_New gioclase having 30 to 50 % anorthite content is known as:-
0	Labradorite
0	Anorthoclase
_	Andesine
О	Oligoclase
157 Whi	of 100 PU_2015_367_New ch of the following can be used to determine paleocurrent direction?
0	Cross-bedding
0	Graded bedding
0	Mud cracks
0	Turbidity currents
107 Eart	of 100 PU_2015_367_New h's crust consists of continental and oceanic parts. Which of the following statement is not true?
0	Oceanic crust is more metamorphosed compared to continental crust
0	Oceanic crust is younger than continental crust
0	Oceanic crust is thinner compared to continental crust
0	Oceanic crust has global layering while continental crust doesn't
137 A fo	of 100 PU_2015_367_New Id which is concave upward is called as:-
0	Antiform
0	Synform
0	Anticline
0	Syncline
25 of 100 102 PU_2015_367_New When a single pyroxene envelops several well-developed plagioclase laths, the texture is c	
0	Porphyroblast
0	Ophitic texture

0	Granoblast Poikiloblast
26 120	of 100 PU_2015_367_New ich one of the following minerals crystallize in cubic system? Spinel Hematite Corundum
0	Siderite
118 If a ang	of 100 PU_2015_367_New set of equivalent crystal faces are related to each other by a three fold axis of rotation, what will be le between these faces?
0	60
0	120 30
0	90
117 Whi	of 100 PU_2015_367_New ich of the following is a K-feldpar?
0	Andesine
0	Orthoclase
0	Anorthite
U	Oligoclase
129 A rc	of 100 PU_2015_367_New ock containing Phenocrysts of Olivine set in a fine grained matrix of pyroxene and plagioclase is wn as:-
0	Diorite
0	Basalt
0	Gabbro
0	Norite
147	of 100 PU_2015_367_New ase of Barrovian metamorphism, the lowest grade of metamorphism is marked by the mineral:- Biotite

0 0	Kyanite Chlorite Garnet
108	of 100 PU_2015_367_New ch of the following regions would have thicker crust? Precambrian Shield
-	Mountain belt
0	Island arc Mid Oceanic ridges
121	of 100 PU_2015_367_New ch one of the following mineral belongs to spinel group?
0	Hematite Magnetite
\triangle	Zircon Ilmenite
144	pf 100 PU_2015_367_New amorphic grade refers to:-
0	Intensity of metamorphism
0	Texture and structure of the rock types
0	Critical mineral assemblages
0	Particular rock type
34 of 100 132 PU_2015_367_New At the binary eutectic which of the following phases coexist?	
0	A crystal phase and a liquid
_	Two different crystal phases
0	Three different crystal phases
0	Two different crystal phases and a liquid
142	PU_2015_367_New e strike of a dip slip normal fault is N30°E, then the trend of the net slip will be:-N30°W

0	N60°E
_	S30°W
О	S60°E
138 A fo	of 100 PU_2015_367_New Ild in which younging direction is away from the fold core is called:-
0	Synform
0	Antiform
0	Anticline
0	Syncline
133 Con	of 100 PU_2015_367_New nplete solid solution is exhibited at 1 atmospheric pressure by:-
0	Diopside Enstatite
0	Albite Anorthite
0	Actinolite Tremolite
0	Enstatite Ferrosilite
103	of 100 PU_2015_367_New oclastic deposits are usually found associated with:-
0	Ropy lava
0	Shield volcano
0	Pahoehoe flow
0	Explosive volcano
115 A m	of 100 PU_2015_367_New ineral is scratchable by quartz but not by apatite. Hardness of this mineral on Mohs scale is:-
0	Less than apatite
0	less than 5
0	less than 7
0	more than 7
134	of 100 PU_2015_367_New natites are typically found in:-
100	Tertiary valconic provinces

0	Proterozoic mobile belts
0	Proterozoic sedimentary basins
0	Archean greenstone belts
130	PU_2015_367_New major minerals present in granite are:- Sanidine, quartz and labradorite Nepheline, quartz and labradorite Orthoclase, quartz and nepheline
О	Microcline, quartz and albite
42 of 100 154 PU_2015_367_New Sedimentary breccia is a rare rock type because:-	
0	Sand deposits are typically well sorted
0	Gravel is rounded quickly during transport
0	Feldspars are chemically unstable
0	Clay is less abundant than other sedimentary particles
149	of 100 PU_2015_367_New reaction Ferrosilite + Diopside = Enstatite + Hedenbergite, is a kind of:-
0	Oxidation reaction
0	Ion-exchange reaction
0	Solid-solid net-transfer reaction
O	Devolatilization reaction
44 of 100 152 PU_2015_367_New Which of the metamorphic zone of Barrow is similar to the greenschist fa	
0	Biotite zone
0	Staurolite zone
0	Sillimanite zone
O	Garnet zone
141	PU_2015_367_New ke/pitch of the net slip on the fault plane is 90, then the fault will be:-

0	Oblique slip fault
\circ	Strike-slip fault
0	Hinge fault
116	PU_2015_367_New ch of the following mineral is a chain silicate? Augite Biotitie Olivine Anorthite
131 Volc	of 100 PU_2015_367_New canic equivalent of the plutonic rock granodiorite is:-
0	Rhodacite
0	Rhyolite
0	Dacite
0	Andesite
123	PU_2015_367_New ch one of the following is an open form? Prism Octahedron
0	Tetrahedron
	Pyramid
143 Meta	of 100 PU_2015_367_New amorphic facies are defined by the:-
0	Critical mineral assemblages
0	Pressure-Temperature condition
0	Particular rock type
0	Texture and structure of the rock types
146	PU_2015_367_New mineral omphacite is characteristic of:-

0	Granulite facies
0	Greenschist facies
0	Eclogite facies
125 Whi	PU_2015_367_New ch one of the following forms belongs to the isometric system? Sphenoid Pyramid
0	Prism
0	Octahedral
105	of 100 PU_2015_367_New es of oceanic crust that have been emplaced (obducted) onto continental crust:- Granulite
0	Mylonite
0	Migmatite
0	Ophiolite
122	PU_2015_367_New axial ratio of a crystal is determined as 0.82 : 1.94. Which crystal system this may belong to? Hexagonal or Tetragonal Isometric or Hexagonal Isometric or Tetragonal Orthorhombic or Monoclinic
136 If the	of 100 PU_2015_367_New e orientation of the principal stress axes X, Y and Z does not change during the deformation, the ormation is known as:-
0	Simple shear
0	Triaxial stress
0	Pure shear
0	Axial strain
55 (of 100

106 PU_2015_367_New Outer core is liquid while the inner core is solid because:-

0	Inner core is rich in iron and nickel while outer core is not
C C mat	Outer core is in contact with liquid mantle
	Melting point of material in outer core is less than the ambient temperature while it is more for the erial in inner core due to higher pressure
0	Outer core is heated more than the inner core
112	PU_2015_367_New crystal 4 non-parallel faces intersect in a point. Form of these faces is:- Dome Prism Pinacoid Pyramid
145 Whi pres	of 100 PU_2015_367_New ch of the following metamorphic facies is characterized by maximum temperature and minimum ssures?
0	Greenschist
0	Blueschist
0	Sanidinite facies
0	Hornblende-hornfels facies
158	PU_2015_367_New ding or stratification in a sedimentary rock:- Represents variations which took place during deposition Is always exactly horizontal Results from heat Is due to directed pressure from earth forces
151	of 100 PU_2015_367_New red metamorphic belt is a characteristic feature of:-
0	Continental collision zone
0	Sea floor spreading zone
0	Continental rift zone
0	Subduction zone

128 PU_2015_367_New Which one of the following statements about Andalusite, Kyanite and Sillimanite is WRONG?
Commonly one of them is present in Metamorphosed peptic rocks
If all the three are present the pressure and temperature conditions can be determined
They have same chemical formula
They have same crystal structure
61 of 100 171 PU_2015_367_New The thorax and the pygidium can be differentiated by their:-
movable and immovable character
number of furrow
Shape and size
the nature of furrows
62 of 100 165 PU_2015_367_New A drainage pattern in which streams flow in and out of lakes with irregular flow directions is:-
Rectangular
Deranged
Radial
C Longitudinal
63 of 100 177 PU_2015_367_New Petrified wood is an example of:-
Desiccation
Encrustation
Altercation
Substitution
64 of 100 163 PU_2015_367_New Which of these environments can produce cross beds?
Alluvial fans
River Deltas
Sand dunes
C All the above

	PU_2015_367_New ch group provides the fast moving invertebrate?
0	Gastropoda
0	Cephalopoda
0	Echinodermata
0	Brachiopoda
174 Wha	of 100 PU_2015_367_New at is the age of Muth quartzite?
0	Carboniferous
О	Devonian
0	Ordovician
0	Silurian
178 Neo	of 100 PU_2015_367_New gene period includes:-
0	Oligocene, Miocene & Pliocene
0	Miocene & Pliocene
0	Paleocene, Eocene & Oligocene
0	Paleogene & Eocene
68 of 100 164 PU_2015_367_New In which of the following do foreset beds occur?	
0	Alluvial fans
0	Point bars
0	Deltas
0	Natural levees
172 Mea	of 100 PU_2015_367_New aning of Coelentrates is:-
0	chambered body
0	segmented body
0	hollow inside
0	stomach foot

	PU_2015_367_New niform flat rocks, drainage patterns tend to be:-
0	Trellis
0	Dendritic
0	Braided
0	Radial
173 The	of 100 PU_2015_367_New Olive series is developed in:-
0	Kashmir
0	Salt range
0	Simla
0	Kumaon
162	of 100 PU_2015_367_New ch would be least likely to indicate a desert environment?
0	Evaporite
0	Mud cracks
0	Large cross-beds
0	Limestone
179 Petr	of 100 PU_2015_367_New coleum and Natural gas are chiefly composed of:-
0	Oxygen
0	Hydrogen & Carbon
0	Hydrogen
0	Nitrogen
161	of 100 PU_2015_367_New I cracks are most likely to form by:-
0	Periodic exposure to the air and drying out
0	Fast-moving water that gradually slowed down
0	Rapidly changing patterns of erosion and deposition
0	Gently oscillating waves

	PU_2015_367_New sional remnants of floodplains that are higher than the current level of a stream are:-
0	Cut banks
0	Natural bridges
0	Incised meanders
0	Stream terraces
196 India	of 100 PU_2015_367_New a is a major producer of one of the following metals.
0	Aluminium
0	Lead
0	Uranium
0	Gold
193 In a	of 100 PU_2015_367_New lateritic bauxite deposit, the uppermost litho-unit is:-
0	partially weathered bedrock
0	lithomarge
0	bauxite
0	laterite
189 One	of 100 PU_2015_367_New of the following sulphide minerals can be transluscent or transparent.
0	Pyrite
0	Chalcopyrite
0	Sphalerite
0	Galena
185 Ore	of 100 PU_2015_367_New deposits of one of the following economic minerals are always formed by magmatic process.
0	Pyrolusite
0	Sphalerite
0	Chromite
0	Magnetite

	PU_2015_367_New of the following occurs in the form of pipe.
0	Diamond bearing kimberlite
0	Porphyry copper
0	Volcanogenic massive sulphide
0	Mica pegmatite
192 One	of 100 PU_2015_367_New of the following represents the chemical composition of magnetite.
0	$Fe^{2+}Fe^{3+}O_3$
	$Fe^{3+}{}_{2}O_{3}$
	Fe ²⁺ Fe ³⁺ ₂ O ₄
0	Fe ³⁺ Fe ²⁺ ₂ O ₄
197 Cop	of 100 PU_2015_367_New per is not a constituent element of one of the following ore minerals.
0	Covellite
0	Pyrrhotite
0	Bornite
0	Chalcocite
191	of 100 PU_2015_367_New of the following represents the chemical composition of pyrrhotite.
0	Fe ₂ S _{1-x}
0	FeS _{1-x}
0	Fe _{1-x} S ₂
0	Fe _{1-x} S
198 The	of 100 PU_2015_367_New largest zinc deposit in India is located at:-
0	Sargipalle, Orissa
0	Agucha, Rajasthan
0	Agnigundla, Andhra Pradesh
0	Zawar, Rajasthan

186 PU_2015_367_New One of the following pairs is an example of "oxide mineral":
Spessartite : Sphalerite
Gibbsite : Galena
Cassiterite : Chalcopyrite
Pyrrhotite : Pyrite
91 of 100 199 PU_2015_367_New The largest bauxite mines in India is located at:-
Yercaud, Tamii Nadu
Kolii Hills, Tamii Nadu
Korba, Madnya Pradesh
Panchpatmali, Orissa
92 of 100 184 PU_2015_367_New Identify the wrong pair of "ore mineral: host rock".
Hematite : Banded Iron Formation
Galena : Carbonate rock
Chalcopyrite : Quartz monzonite
Chromite : Norite
93 of 100 187 PU_2015_367_New Hydrothermal ore deposits often occur in the form of:-
Stock
Vein
C Bed
© Dyke
94 of 100 190 PU_2015_367_New One of the following oxide minerals can be transluscent or transparent. Chromite Wolframite Cassiterite Pyrolusite

195	PU_2015_367_New
Wal	I rock alteration is a characteristic feature of:-
0	Sedimentary deposits
0	Metamorphic deposits
0	Hydrothermal deposits
0	Magmatic deposits

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148	f 100 PU_2016_367_E Irothermal ore deposits often occur in the form of:- Vein Bed
0	Dyke
	Stock
163 In c	f 100 PU_2016_367_E onstriction type of strain, λ_2 is:- < 1 = 0 >1
0	= 1
133	f 100 PU_2016_367_E ich is the correct sequence of terrestrial planets from sun?
0	Venus, Earth, Mars, Mercury
0	Mercury, Earth, Venus, Mars
0	Mercury, Venus, Earth, Mars
0	Mars, Venus, Earth, Mercury
169 In c	f 100 PU_2016_367_E ase of single and round hinged multi-layer buckle fold, the competent and incompetent layer will show pectively:-
	Class 1 & Class 2
0	Class 1B and Class 1C - fold of Ramsay
0	Class 2 and Class 3 fold
	Class 1 & Class 3
117	f 100 PU_2016_367_E ch one of the followings could not be used to find out depositional top of a bed? Pillow lavas
Ö	Contact between two lithologies
	Ripple marks

0	Cross bedding
214 Pyro	F 100 PU_2016_367_E oclastic deposits are usually found associated with:-
0	Shield volcano
0	Pahoehoe flow
0	Explosive volcano
О	Ropy lava
190 <i>Ling</i>	F 100 PU_2016_367_E pula is an example of:-
0	Index fossils
0	Ichnofossils
0	body fossils
0	Living fossils
118	F 100 PU_2016_367_E ch of the following mineral combination cannot exist in thermodynamic equilibrium?
0	Quartz, feldspar and tourmaline
0	Quartz, olivine and pyroxene
0	Kynite, sillimanite and andalusite
0	Plagioclase, augite and magnetite
9 of 100 157 PU_2016_367_E India is a major producer of one of the following metals:-	
0	Gold
0	Uranium
0	Aluminium
O	Lead
10 of 100 202 PU_2016_367_E If the water table in a well is constant due to no flow, the condition is known as:-	
0	Equilibrium
О	Hydrostatic
0	Hydrophilic

0	Hydrodynamics
177 In 20	of 100 PU_2016_367_E 015, World' most polluted city is identified as:-
0	Beijing
0	Dhaka
0	Delhi
0	Karachi
164 Pull	of 100 PU_2016_367_E apart basin is developed due to:-
0	Reverse faulting
0	Strike slip faulting
0	Normal faulting
0	Oblique faulting
161	PU_2016_367_E ngation (ε) is measured as the ratio between:- final length to initial length change in length to initial length change in length to final length initial length to final length
178	of 100 PU_2016_367_E It year is a unit of:-
0	distance
0	time
0	light
0	light intensity
167 Hyb	of 100 PU_2016_367_E rid joint is developed by:-
0	mode II & Mode III
0	mode-I
0	Mode I & Mode III

0	Mode II - fracture propagation
150	of 100 PU_2016_367_E of the following sulphide minerals can be transluscent or transparent:-
0	Galena
0	Chalcopyrite
0	Sphalerite
0	Pyrite
154 In a	of 100 PU_2016_367_E lateritic bauxite deposit, the uppermost litho-unit is:-
0	laterite
0	bauxite
0	lithomarge
0	partially weathered bedrock
200	of 100 PU_2016_367_E Deccan traps shows maximum thickness towards:-
0	North
0	East
0	West
-	South
183	of 100 PU_2016_367_E emnite belongs to:-
0	Cephalopoda
0	Brachiopoda
0	Trilobita
0	Gastropoda
100 A ha	of 100 PU_2016_367_E and specimen of a rock contains quartz and garnet. What lustre they show?
0	Resinous and vitreous
0	Vitreous and adamantine
О	Adamantine and vitreous

0	Vitreous and resinous
184 Whi	of 100 PU_2016_367_E ich of the following Mollusca are entirely marine organisms?
0	Cephalopoda
0	Gastropoda
0	Bivalvia
0	none
155 One	of 100 PU_2016_367_E e of the following metals is generally extracted as a byproduct from sulphide ore of copper.
0	Gold
0	Silver
0	Cadmium
0	Gallium
143	of 100 5 PU_2016_367_E e of the following economic minerals is commonly associated with high grade metamorphic rocks.
0	Magnetite
0	Talc
0	Chromite
0	Graphite
172	of 100 PU_2016_367_E a largest carbon reservoir on earth is:-
0	oceans
0	limestone
0	soil
0	atmosphere
113 Whi	of 100 PU_2016_367_E ich one of the following is not produced by organic activity?
0	Chalk
0	Gypsum
O	Coral

0	Chert
151 One	of 100 PU_2016_367_E of the following oxide minerals can be transluscent or transparent.
0	Chromite
0	Pyrolusite
0	Cassiterite
0	Wolframite
180 Sou	of 100 PU_2016_367_E nd waves in air are:-
0	electromagnetic
0	transverse
0	polarised
0	longitudinal
126 Why	PU_2016_367_E / do magmas rise toward Earth's surface? Magmas have higher content of pyroxenes than the surrounding rocks
0	Most magmas are richer in silica than most crustal and upper mantle rocks
0	Magmas are more viscous than solid rocks in the crust and upper mantle
0	Magmas, being melts and having gases, are less dense than the adjacent solid rock
211	PU_2016_367_E parse grained rock mainly composed of orthopyroxene and plagioclase is called as:- Lherzolite Norite Harzburgite Gabbro
193	PU_2016_367_E youngest succession of Jurassic rocks in Kachchh basin is known as Formation. Patcham Katrol
	Chari

^C Umia
31 of 100 101 PU_2016_367_E A crystal face is parallel to a and c -axis and intersects the b crystallographic axis at 4 b_o length. What will be its Miller index?
^C (040)
^C (100)
C (101)
© ₍₀₁₀₎
32 of 100 136 PU_2016_367_E Which mineral is most stable for weathering? Olivine halite
hematite
calcite
33 of 100 219 PU_2016_367_E Which of the following regions would have thicker crust?
Precambrian Shield
Mid Oceanic ridges
Mountain belt
Sland arc
34 of 100 204 PU_2016_367_E The water in the soil water zone held by surface tension forces is known as:-
Capillary water
C Groundwater
Hygroscopic water
Phreatic water
35 of 100 191 PU_2016_367_E The least number of fossils are found in rocks formed during which era?
Cenozoic
Mesozoic

0	Proterozoic
0	Paleozoic
212	of 100 PU_2016_367_E ich of the following is a concordant intrusive body?
0	Stock
0	Cone sheet
0	Ring dike
0	Lopolith
112 Whi	of 100 PU_2016_367_E ich one of the following would not be the effect of the climate change?
0	increased frequency of cyclones
0	sea level rise
0	tsunami
0	uneven distribution of rainfall
170 If at	of 100 PU_2016_367_E titude of overlying and underlying sedimentary beds across an unconformity surface is measured pectively as 089°/08°N and 025°/46° NW, then the unconformity can be called as:-
0	Paraconformity
0	Angular unconformity
0	Nonconformity
0	Disconformity
182 Whi	of 100 PU_2016_367_E ich is the oldest fossil?
0	Trilobita
0	Graptoloidea
0	Fish
0	Algae
160	of 100 PU_2016_367_E e largest bauxite mines in India is located at:-
	Korba, Madhya Pradesh

000	Panchpatmali, Orissa Yercaud, Tamil Nadu Kolli Hills, Tamil Nadu
121	PU_2016_367_E ich of the following contains the highest amount of uranium? Gabbro Granite Diorite Peridotite
207	of 100 PU_2016_367_E unconsolidated deposits or bedrock that continuously has a temperature below 0°C is called as:- Permafrost Karst topography Ice sheets Bad land topography
171	PU_2016_367_E susceptibility of diamagnetic material is:- negative zero 5 positive
106 Sud O O	of 100 PU_2016_367_E Iden cooling of magma erupted on the Earth's surface results in texture. hypidiomorphic porphyritic aplitic ophitic
125	of 100 PU_2016_367_E plutonic equivalent of trachyte is:- Diorite

0	Syenite
	Granite
0	Gabbro
216	PU_2016_367_E es of oceanic crust that have been emplaced (obducted) onto continental crust:- Ophiolite
0	Granulite
0	
0	Mylonite
	Migmatite
186 Mos	of 100 PU_2016_367_E st likely to result in an organism not being fossilized:-
0	preservation from decay
0	lack of hard parts
0	being a water-dwelling organism
0	rapid burial after death
104	of 100 PU_2016_367_E ch one of the following mineral does NOT belong to the oxide group?
0	Ilmenite
0	Beryl
0	Magnetite
0	Corundum
175 Whi	of 100 PU_2016_367_E ch of the following is not a green house gas?
0	Methane
0	Nitrous oxide
0	Argon
0	Ozone
158	Purch at its
	Pyrrhotite

0	Covellite	
0	Bornite	
0	Chalcocite	
218 Earl	of 100 PU_2016_367_E th's crust consists of continental and oceanic parts. Which of the following statement is not true?	
0	Oceanic crust is younger than continental crust	
0	Oceanic crust is more metamorphosed compared to continental crust	
0	Oceanic crust has global layering while continental crust doesn't	
0	Oceanic crust is thinner compared to continental crust	
124 In a resu	of 100 PU_2016_367_E thin section of extrusive igneous rock, well developed ovine crystals are surrounded by glass, the ultant texture is called:-	
0	Hyaloporphyritic	
0	Xenoblastic	
0	Porphyritic	
О	Poikilitic	
129 Diffe repr	of 100 PU_2016_367_E erent mineral assemblages of rocks metamorphosed under the same physical conditions (P & T) resent:-	
0	different metamorphic grade	
0	different types of metamorphism	
0	different zones of metamorphism	
0	different bulk composition	
188	of 100 PU_2016_367_E trachiopoda two valves are jointed at:-	
0000	Commisure line	
	Hinge line	
	Didictor	
	Posterior	
55 of 100 210 PU_2016_367_E		

	measure of suspended and colloidal matter in water like clay, silt, organic matter and microscopic anisms is:-
0	рН
	Turbidity
0	Conductivity
0	Total dissolved solids
165 Thr	of 100 PU_2016_367_E ust sheet that travelled very large distance along the thrust fault is known as:-
0	Allochthonous unit
0	Para-autochthonous unit
0	Autochthonous unit
0	Para-allochthonous unit
173	of 100 PU_2016_367_E inner core is most likely composed of:-
0	silicon
0	sulphur
0	oxygen
0	iron
208	of 100 PU_2016_367_E prizontal conduit used for intercepting and collecting groundwater by gravity flow is:-
Ö	Drilled wells
Ö	Infiltration galleries
0	Collector wells
	Horizontal wells
139	of 100 PU_2016_367_E ability of a solid to allow fluids to pass through it is called:-
	conductivity
	transmissivity
	porosity
	permeability

	PU_2016_367_E Paleozoic does not include the:-
0	Ordovician
0	Jurassic
0	Mississippian
0	Permian
240 A rc	of 100 PU_2016_367_M ock containing Phenocrysts of Olivine set in a fine grained matrix of pyroxene and plagioclase is wn as:- Basalt Norite Diorite Gabbro
224	of 100 PU_2016_367_M ctronegativity of elements increases:- From right to left of the Periodic table
0	In atoms that have partially filled outer shell
0	From left to right of the Periodic table
0	With decrease in neutrons
235	of 100 PU_2016_367_M ich one of the following is permitted in the Miller's indices? Real numbers Zero Infinity Fractions
248 A fc	of 100 PU_2016_367_M old which is concave upward is called as:-
0	Antiform
0	Anticline
0	Syncline
0	Synform

253	of 100 PU_2016_367_M e strike of a dip slip normal fault is N30 [©] E, then the trend of the net slip will be:-
0	S30 ^o W
0	N60 [□] E
0	N30 [®] W
0	S60ºE
238	of 100 PU_2016_367_M gioclase having 30 to 50 % anorthite content is known as:- Oligoclase Andesine Anorthoclase Labradorite
246	of 100 PU_2016_367_M dominant magma that erupted during the Deccan Volcanism is:- Alkali basalt
0	
0	Trachyte
0	Tholeritic basalt
	Andesite
227	of 100 PU_2016_367_M ich of the following mineral is a chain silicate?
0	Olivine
0	Augite
0	Anorthite
	Biotitie
220 Con	of 100 PU_2016_367_M Itinental crust is higher in elevation than oceanic crust because:-
0	It is more buoyant than oceanic crust
0	It is denser than oceanic crust
0	It is older than oceanic crust
0	It is younger than oceanic crust

255 Met	of 100 PU_2016_367_M amorphic grade refers to:-
0	Intensity of metamorphism
0	Texture and structure of the rock types
0	Particular rock type
0	Critical mineral assemblages
221	PU_2016_367_M average thickness of a lithospheric plate is approximately:-
0	100 km
0	35 km
0	5 km
225	of 100 PU_2016_367_M cturally quartz is a:-
0	Framework silicate
0	Isolated slilicate
0	Chain silicate
0	Ring silicate
241	PU_2016_367_M major minerals present in granite are:- Nepheline, quartz and labradorite
0	Microcline, quartz and albite
0	Orthoclase, quartz and nepheline
0	Sanidine, quartz and labradorite
242	of 100 PU_2016_367_M canic equivalent of the plutonic rock granodiorite is:-
0	Dacite
0	Rhyolite
0	Rhodacite
0	Andesite

251	PU_2016_367_M
If th	e axial planar cleavage is steeper than the dip of the fold limb, then limb is called:
0	Back limb
	Inverted limb
0	Overturned limb
О	Normal limb
254 Met	of 100 PU_2016_367_M amorphic facies are defined by the:-
0	Particular rock type
0	Pressure-Temperature condition
0	Critical mineral assemblages
0	Texture and structure of the rock types
232 Whi	of 100 PU_2016_367_M ch one of the following mineral belongs to spinel group?
0	Zircon
0	Hematite
О	Ilmenite
0	Magnetite
259 Anh	of 100 PU_2016_367_M ydrous rocks are characteristically present in rocks belonging to:-
0	Greenschist facies
0	Granulite facies
0	Amphibolite facies
0	Eclogite facies
230	of 100 PU_2016_367_M ch one of the following minerals crystallize in the Orthorhombic system?
0	Aragonite
0	Rhodochrosite
0	Dolerite
0	Calcite

222	of 100 PU_2016_367_M rystal appears unchanged when rotated 180°. Such an axis of rotation is axis of:-
0	2-fold symmetry
0	3-fold symmetry
0	4-fold symmetry
0	1-fold symmetry
292	of 100 PU_2016_367_D ich of the followings is NOT a supercontinent? Rodinia Gondwana
\circ	Pangea
0	Purana
261 In th met	of 100 PU_2016_367_D ne triangular ACF diagrams used to designate the mineralogical and chemical composition of amorphic facies, the 'A' apex represent:-
0	$AI_2O_3 + Na_2O + K_2O$
0	$Al_2O_3 + Fe_2O_3 - K_2O$
0	$AI_2O_3 + Fe_2O_3 - Na_2O - K_2O$
0	AI_2O_3
267	of 100 PU_2016_367_D n aggregate of sediment consists of particles that are all about the same size, it is said to be:- Sandstone Well sorted
0	
0	Lithified
	Poorly rounded
265 Sed	of 100 PU_2016_367_D limentary breccia is a rare rock type because:-
0	Clay is less abundant than other sedimentary particles
0	Sand deposits are typically well sorted
0	Feldspars are chemically unstable
0	Gravel is rounded quickly during transport

	of 100 PU_2016_367_D
	process whereby hydrogen and hydroxyl ions of water replace ions in minerals is:
0	Hydrolysis
0	Oxidation
0	Carbonization
0	Lateritisation
285 Geo	of 100 PU_2016_367_D omorphic systems are:-
0	Open systems
0	Closed systems
0	Isolated systems
0	Open, Closed or Isolated systems
295 Whi	of 100 PU_2016_367_D ch of the following is NOT located along a convergent plate-boundary? Andean Mountain chain Indonesian islands Red sea
0	Himalaya mountain chain
279 In u O	PU_2016_367_D niform flat rocks, drainage patterns tend to be:- Dendritic Radial Trellis Braided
260 The	of 100 PU_2016_367_D reaction Ferrosilite + Diopside = Enstatite + Hedenbergite, is a kind of:-
0	Devolatilization reaction
0	Oxidation reaction
0	Ion-exchange reaction
0	Solid-solid net-transfer reaction

290 Felc	of 100 PU_2016_367_D dspar and quartz both have structure but in feldspar some of the silica tetrahedral are aced by
0	framework, Alumina tetrahedral
0	double-chain, Na+Al
	single-chain, Mg-chain
0	isolated tetrahedra, Na+Al
288 Mille	of 100 PU_2016_367_D er indices, for a face whose Weiss symbols is 2a:3b:1c, are:-
0	(326)
0	(321)
0	(123)
0	(236)
286 Whi	of 100 PU_2016_367_D ch of the following minerals is most susceptible to chemical weathering?
0	Quartz
0	Olivine
0	K-feldspar
0	Biotite
297	of 100 PU_2016_367_D eorites are generally originated from:-
0	the asteroid belt
0	rocky planets like Venus
0	comets
0	moon
272	of 100 PU_2016_367_D d cracks are most likely to form by:-
0	Rapidly changing patterns of erosion and deposition
0	Fast-moving water that gradually slowed down
0	Gently oscillating waves

0	Periodic exposure to the air and drying out
273 Whi	of 100 PU_2016_367_D ich would be least likely to indicate a desert environment?
0	Limestone
	Large cross-beds
0	Evaporite
0	Mud cracks
282	of 100 PU_2016_367_D cial clay is dominantly:-
0	Kaolinite
0	Illtite
0	Quartz
0	Feldspar
299	PU_2016_367_D st is generally thicker under the mountains. This observation can be explained by the theory of: heat flow isostasy Deformations faster river-incision
276	of 100 PU_2016_367_D rainage pattern in which streams flow in and out of lakes with irregular flow directions is:-
0	Rectangular
0	Radial
0	Longitudinal
0	Deranged
283 Whi	of 100 PU_2016_367_D ich of the following can act as a local base level?
0	a stream
0	a resistant strata
\cup	a lake

0	stream, lake and resistant strata
274	of 100 PU_2016_367_D
O	ch of these environments can produce cross beds? River Deltas
0	Sand dunes
0	Alluvial fans
0	All of the above

Sr No.	MSc Applied Geology
	Find the missing term in the following series:
1	3,15,?,63,99,143?
Alt1	
Alt2	
Alt3	
Alt4	
All+	56
2	Choose word from the given options which bears the same relationship to the third word, as the first two bears:
-	Horse: Jockey: Car:?
	noise : Jockey Cai . :
Λl+1	Mechanic
	Chauffeur
	Steering Production Control of the C
Alt4	Brake
	Food is to Fad as Religion is to?
	Crucification
	Notion
	Superstition
Alt4	Mythology
4	Select the lettered pair that has the same relationship as the original pair of words:
	Fond: Doting
	Solicitous: Concern
	Verbose: Wordiness
	Flurry: Blizzard
Alt4	Magnificent: Grandiose
	Which of the following is the same as Emancipate, Free, Release?
	Liberate
	Quit
Alt3	Pardon
Alt4	Ignore
6	Spot the defective segment from the following:
Alt1	I met one of the mountaineers
Alt2	that have returned
Alt3	to their base camp
Alt4	the last week
7	Choose the meaning of the idiom/phrase from among the options given:
	To call names
Alt1	to abuse
Alt2	to recall something
	to count the prisoners
	to take attendance

8	Our tour programme fell because of inclement weather.
Alt1	through
Alt2	off
Alt3	out
Alt4	down
9	Choose the option closest in meaning to the given word:
	POIGNANT
Alt1	unbearable
	maximal
	pathetic
	sharp
	- Comp
10	Choose the antonymous option you consider the best:
10	WANTON
Alt1	rational
	abstemious
	dearth
	deliberate
11	Six people K, L, M, N, O and P are sitting around a table as per the following conditions. i. N
	and O are opposite each other
	ii. K is to the right of M
	iii. L and K are opposite each other
	iv. N is to the left of P
	Who is to the left of L?
Alt1	
Alt2	
Alt3	
Alt4	
12	Study the following table carefully to answer the questions that follow (15 to 17): Total number of employees
	in different departments in an organisation and (of these) percentage of females and males
	Department Total number of employees Percentage of female employees Percentage of male employees
	IT 840 45 55
	Accounts 220 35 65
	Production 900 23 77
	HR 360 65 35
	Marketing 450 44 56
	Customer Service 540 40 60
	What is the total number of male employees in the IT and Customer Service departments put together?
	what is the total number of male employees in the fr and customer service departments put together:
Alt1	115
Alt1	
AIT2	/00

Alt3	768
Alt4	
7.11.0	
13	Study the following table carefully to answer the questions that follow (15 to 17): Total number of employees in different departments in an organisation and (of these) percentage of females and males Department Total number of employees Percentage of female employees Percentage of male employees IT 840 45 55 Accounts 220 35 65 Production 900 23 77 HR 360 65 35 Marketing 450 44 56 Customer Service 540 40 60 What is the total number of employees in all departments put together?
Δlt1	3260
	3310
	3140
Alt4	3020
	Select the alternative that logically follows from the two given statements, but not from one statement alone: All Cats are dogs No dogs are rats
Alt1	All cats are rats
Alt2	Some cats are rats
Alt3	No cat is rat
Alt4	None of the above
15 Alt1	In a certain code language, "When did you come" is written as 'ti na ki ja'. "Will you come again" is written as 'na pa sa ja' and "She will go" is written as 'pa da ra'. How is "again" written in that code language?
Alt2	
Alt3	
Alt4	
16	statements carefully and then decide which of the conclsions follow beyond a reasonable doubt. Mark your answer as Statement: The aspirants should apply through a proper channel for permission Conclusions: (i) Those who apply through proper channel will get permission (ii) Those who do not apply through proper channel will not get permission
Alt1	If only conclusion (i) follows

Alt2	If only conclusion (ii) follows
Alt3	If neither conclusion (i) nor (ii) follows
Alt4	If both the conclusions follow
17	The average height of 3 children is 115 cms. If the heights of 2 children are 117 cms. And 112 cms.
	Respectively, the height of the third child is
Alt1	112 cms.
Alt2	113 cms.
	115 cms.
	116 cms.
Ait	110 (1113.
10	What is the 20% of 40% of 2/Eth of E0002
Alt1	What is the 30% of 40% of 2/5th of 5000?
Alt2	
Alt3	
Alt4	720
19	There are n persons in a room. Each one is shaking hand with the other . Ultimately there are 66 hand-shakes.
	Then n=
Alt1	11
Alt2	12
Alt3	16
Alt4	33
20	A problem is given to students
20	A problem is given to students 10 students choose option A:
20	10 students choose option A ;
20	10 students choose option A ; 6 students choose option B ;
20	10 students choose option A ; 6 students choose option B ; 2 students choose option C;
20	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D;
20	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer.
	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer.
Alt1	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B
Alt1 Alt2	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A
Alt1 Alt2 Alt3	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C
Alt1 Alt2	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C
Alt1 Alt2 Alt3 Alt4	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D
Alt1 Alt2 Alt3 Alt4	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called
Alt1 Alt2 Alt3 Alt4 21 Alt1	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water
Alt1 Alt2 Alt3 Alt4 21 Alt1 Alt2	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water Vadose water
Alt1 Alt2 Alt3 Alt4 21 Alt1 Alt2 Alt3	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water Vadose water Meteoric water
Alt1 Alt2 Alt3 Alt4 21 Alt1 Alt2 Alt3	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water Vadose water
Alt1 Alt2 Alt3 Alt4 21 Alt1 Alt2 Alt3	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water Vadose water Meteoric water
Alt1 Alt2 Alt3 Alt4 21 Alt1 Alt2 Alt3 Alt4	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water Vadose water Meteoric water
Alt1 Alt2 Alt3 Alt4 21 Alt1 Alt2 Alt3 Alt4 22 Alt3 Alt4	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water Vadose water Meteoric water Connate water
Alt1 Alt2 Alt3 Alt4 21 Alt1 Alt2 Alt3 Alt4 22 Alt1	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water Vadose water Meteoric water Connate water The horizontal entry into ore-body is called
Alt1 Alt2 Alt3 Alt4 21 Alt1 Alt2 Alt3 Alt4 22 Alt1 Alt2	10 students choose option A; 6 students choose option B; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. B A C D The underground water that occurs within zone of aeration is called Plutonic water Vadose water Meteoric water Connate water The horizontal entry into ore-body is called Adit

23	Which of the following has the least stiffness
Alt1	Basalt
Alt2	Quartz
Alt3	Limestone
Alt4	Sandstone
24	The Tethys is located between
	North America to South America
	North America to Eurasia
	Eurasia and Africa
	Antarctica and Australia
AIL4	Altaletica and Australia
25	Fufaliation is a forms of
-	Exfoliation is a form of
	Mass wasting
	Chemical weathering
	Physical weathering
Alt4	Biochemical weathering
26	Natural levee is an example of
Alt1	Point bar deposits
Alt2	Channel fill deposits
Alt3	Flood plain deposits
Alt4	Flood basin deposits
·	
27	Which of the following symmetry elements characterize pyrite crystal
	Four two fold axes
Alt2	Three two fold axes
Alt3	Twofour fold axes
	One six fold axis
28	Which type of clay is used as drilling mud
	Bentonite clay
	Fullers clay
-	Fire clay
	China clay
AIL4	Спіна Сіаў
30	Which of the following is considered as seem domestime
	Which of the following is considered as secondary structure
	Foliation
	Cleavage
	Lineation
Alt4	Folds
	Which one isbiaxially positive mineral
	Biotitic
	Garnet
Alt3	Calcite

Alt4	Sillimanite
31	Which of the following has monoclinic crystal system
Alt1	Angite
Alt2	Pyrite
	Wollastonite
Alt4	Hypersthenes
32	An oval to circular fold with strata dipping outward from a central point is
	Plunging fold
	Basin
	Recumbent syncline
	Dome
7.11.1	
33	If deformed rock regain their shape when they are no longer under stressors condition
	Tensional
	Elastic
	Plastic
Alt4	Shear
2.4	
	The 'B' horizon of soil is the zone of
	Leaching
	Accumulation
	Un-weather parent material
Alt4	Organic matter accumulation
	When several sinkhole coalesce, the result is
	a graben
Alt2	a solution valley
Alt3	a syncline
Alt4	a kettle
36	In uniform flat rock drainage, drainage pattern tend to be
	dendritic
Alt2	radial
Alt3	trellis
Alt4	braided
37	The gently sloping rock surface that forms at the base of mountain in arid regions
	Playa
	Graben
	Pediment
	Stratum
AIG	
20	Which of the following can be used to determine the palaeo-current direction
	Mud crack
Alt2	Cross bedding

Alt3	Gradded bedding
Alt4	Turbidity currents
39	Which would be least likely to indicate a desert environment.
	Large cross-bed
	Coal
Alt3	Evaporite
	Mud cracks
40	If you have 1 gm of carbon-14 after two half life you will have
	None
Alt2	½ gram
	2 gram
	½ gram
41	Why K-Arcannot date younger rock ?
	All the Ar decayed
	All the 'K' decayed
	All the K-Ar leaked
Alt4	not enough 'K' has decayed yet
42	Dendrites are
	Pseudo fossils
-	Fossil tree branches
-	Fossil ferns
	Fossil moss
43	A sudden movement of a glacier caused by a sudden addition of snow on ice
	Surge
	Plastic deformation
	Calving
	Basal slip
44	In high grade meta-morphism, biotite melting indicates
	Rock cooling
	Rock hydration
	Rock uplifting
	Rock dehydration
	•
45	Mantle xenoliths are observed in
	Granite
	Kimberlite
	Pegmatite
	Granulites
46	Convection is likely to occurin
	the mantle

	the out core
Alt3	both mantle and out core
Alt4	throughout the earth
47	Which type of faulting would be least likely to occur along mid-Atlantic ridges
	Normal
Alt2	Reverse
Alt3	Transform
Alt4	all of these could occur
48	The bulk modulus measures
Alt1	Resistance to charge in shape
	Resistance to change in volume
Alt3	Resistance to change colour
Alt4	Resistance to flow of liquid
49	Transgression is caused by
Alt1	Decrease rate of sedimentation
Alt2	Increase rate of subsidence
Alt3	Rise in relative sea level
Alt4	Rise in eustetics sea level
50	Foreland Basins are associated with
Alt1	Crustal extension
Alt2	Thrust loading
Alt3	Thermal contraction
Alt4	Strike slip fault
51	Which of the following has the least electrical conductivity
Alt1	Diamond
Alt2	Sulphur
Alt3	Clay
Alt4	Anthracite
	Which sampling method is resorted to, when the exposure to out crops are scarce
	Drilling
	Trenching
	Bulk sampling
Alt4	Well logging
53	Which of the following is not a closing ocean basin
Alt1	Black sea
Alt2	Red sea
Alt3	Caspian sea
	Mediterranean sea

	Terrestrial
	Lacustrine
	Fluvial
Alt4	Marine
	Which mineral shows the double refraction
	Calcite
	Quartz
	Feldspar
Alt4	Galena
56	Blind valley is formed due to
Alt1	Erosion
Alt2	Depositional
Alt3	Steep slope
Alt4	Surface runoff
57	Number of grain to grain contacts counted in the traverse is
Alt1	Packing density
Alt2	Packing proximity
Alt3	True porosity
Alt4	True density
58	Tenorites is an ore mineral of
Alt1	Iron
Alt2	Mangnese
Alt3	Copper
Alt4	Lead
59	Ruby is a gem variety of
Alt1	Olivine
Alt2	Labradorite
Alt3	Quartz
Alt4	Corundum
60	Which era is called as "Age of Reptiles"
Alt1	Paleozoic Era
Alt2	Mesozoic Era
Alt3	Cenozoic Era
Alt4	Proterzoic Era
61	Rock salt is found in India
Alt1	Manali
Alt2	Mandi
Alt3	Solan
Alt4	Simla

62	A material is acidic in pH range of
Alt1	1 to 5
Alt2	1 to 7
Alt3	7 to 10
Alt4	8 to 14
63	Rock deformation is
Alt1	Brittle
Alt2	Ductile
Alt3	Both A & B
Alt4	Not known
64	The line of maximum curvature in a fold is known as
	Crest
Alt2	
	Hinge
	Trough
7.00	
65	Which of the following feature indicate faulting?
	Slicken sides
	Grooves
	Breccia
	All of the above
Alt	All of the above
66	The refractive index of the ocean water
	Decrease with salinity
	Increase with salinity
	Decrease with temperature
	Increase with temperature
Alt4	increase with temperature
67	The skeleton of a simple coral is
	Conical shape
	Triangular in shape
	Rounded in shape
	Flat in shape
All4	riat iii siiape
60	Sinstral coiling is found in
	Pupilla
	Natics
	Physa
	Trochus
AIL4	TI OCITUS
60	The icetons 222 Th Decays to
	The isotops 232 Th Decays to 206pb
	207pb
	208pb
Alt4	209pb

70	Which volcanic rock contain lowest percentage of silica
Alt1	Basalt
Alt2	Andesite
Alt3	Trachyte
	Rhyolite
	·
71	Pahoehoe – structure is related to
	Block lava
	Ropy lava
	Pillow structure
	Lava-drain tunnel
AIL4	Lava-uranii turiilei
72	The reading subsum, and this is about it subsum in
	The sedimentary rock without stratification is
	Shale
	limestone
	Sandstone
Alt4	Tillite
73	Chalk is a verity of
Alt1	Biosparite
Alt2	Sparite
Alt3	Biomicrite
Alt4	Stromatolite
74	Mylonite rock shows the
	Cataclastic fabric
Alt2	Granulitic fabric
	Hornfelsic fabric
	Foliated fabric
7.110	
75	Which facies are formed at very high pressure
	Blueschist facies
	Eclogite facies
	Sanidinite facies
	Both A & B
AIT4	DUII A & D
7.0	Channian and a siting for more had
	Chemical composition for marbal
	Caco3
	Mgco3
	Al2o3
Alt4	Caso4.2H20
77	First fishes and the first land plants appeared in the system
Alt1	Cambrian
Alt2	Ordocian
Alt3	Silurian

Alt4 Devonian
78 Age of the Deccan traps is
Alt1 Lower cretaceous
Alt2 Lower cretaceous to Eocene
Alt3 Upper cretaceous to Eocene
Alt4 Eocene to Miocene
79 Who is known as the father of stratigraphy
Alt1 J.D.Dana
Alt2 T.H.Holand
Alt3 Smith
Alt4 L.L.Fermor
ALT CLITCHIO
80 Pot holes are formed generally by
Alt1 Hydraulic action
Alt2 Abrasion or corrosion
Alt3 Attrition
Alt4 Corrosion
01 Dalhas are formed in
81 Deltas are formed in
Alt1 Initial stage of the river
Alt2 Youth stage of the river
Alt3 Mature stage of the river
Alt4 Old stage of the river
02/147
82 Wind does erosion in
Alt1 Attrition
Alt2 Abrasion
Alt3 Deflation
Alt4 All the above process
83 The strain at a point is a
Alt1 Scalar
Alt2 Vector
Alt3 Tensor
Alt4 None of the above
84 Generally aerial photographs are taken
Alt1 Horizontally
Alt2 Vertically
Alt3 At an angle of 45 degrees
Alt4 At an angle of 60 degrees
85 For good building stone, the wear should be less than
Alt1 0.01
Alt2 0.03

Alt3	0.05
Alt4	0.1
86	Most weather resesting rock is
	Quartzite
	Marble
	Limestone
	Slate
87	Acoustic impedance is theof density and velocity
	Sum
	Product
	Difference
	Ratio
7.1.4.1	
22	In a homogeneous anisotropic medium, the physical property varies
	with direction
	with direction with position
	Both with position and direction
_	Neither position nor direction
Alta	Neither position for direction
20	Radiometric dating is least useful for dating
	Volcanic rocks
	Plutonic rocks
	Metamorphic rocks
	Sedimentary rocks
Alt4	Sedimentally rocks
90	The youngest sequence of Cretaceous formations is
	Trichy
	Ariyalur
	Uttatur
	Niniyur
71104	Tilli y u
91	The crystal form with highest number of faces
	Hexoctahedron
	Trisoctahedron
	Rhombdodecahedron
	Trapezohedron
7 11 0 7	
92	A fold with two hinges
	Chevron fold
	Recumbent fold
	Box fold
	Parallel fold
AIL4	i didiici loid
۵۵	Hawaiian Islands are formed by
	Convergent plate margins
LIIA	Convergent hate margins

-	
Alt2	Divergent plate margins
Alt3	Mantle plumes
Alt4	Earthquakes
94	The maximum velocity of the Indian Plate is observed in
Alt1	Delhi
Alt2	Srinagar
Alt3	Maldives
Alt4	Goa
95	The volcanic equivalent of Granite is
Alt1	Rhyolite
Alt2	Dacite
Alt3	Trachyte
Alt4	Basalt
96	The texture formed by very high grade metamorphism is
	Phyllitic
Alt2	Migmatitic
Alt3	Schistose
Alt4	Granulitic
97	The volcanic glass formed by felsic lava is
	Quartz
Alt2	Tridimite
Alt3	Crystabolite
Alt ²	Obsidian
98	Gas leaked in Bhopal tragedy
Alt1	Methyl isocyanate
Alt2	Potassium isothoiocynate
Alt3	Ethyl isocyanate
Alt ²	Sodium isothiocyanate
99	Biochemical Oxygen Demand measures
	Industrial pollution
Alt2	Air pollution
Alt3	Pollution capacity of effects
Alt ²	Dissolved O2 needed by microbes to decompose organic waste
	Which of the following is not an Aluminium Silicate?
	Kyanite
Alt2	Corundum
	Andalusite
Alt ²	Sillimanite

Examination: M.Sc. Applied Geology	
Section 1 - Section 1	
Question No.1	4.00
Quartz watch works because of theproperty of the quartz crystal present in it. Piezo-electric Electromagnetic Electric Pseudo Electric	Bookmark
Question No.2	4.00
FCC is the abbreviation for Fast Colour Camera False Colour Composite False Colour Composite	Bookmark
Question No.3	4.00
The test of organic walled foraminifera is termed as: C Hyaline C Porcellaneous C Tectinous C Microgranular	Bookmark
Question No.4	4.00
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere Earth's outer core Oceans Inter-planetary medium	Bookmark ☑ g in the
is a phenomenon of large-scale ocean circulation driven by density gradients create surface heat and freshwater fluxes Hydrothermal circulation Alkaline circulation Hydrothermal flux Thermohaline circulation	4.00 Bookmark ☐ ed by
Question No.6	4.00
Magnetic behaviour of calcite is Ferrimagnetic Diamagnetic Paramagnetic Ferromagnetic	Bookmark

	4.00
	Bookmark □
An ideal structure for tunnels is	
 Anticline 	
© Unconformity	
© Syncline	
© Fault	
O Fault	
Question No.8	4.00
	Bookmark 🔽
Based on the information given answer the following question. 1. In a family of six persons, there are people from three generations. Each has separa	uta nrofassions
and they like different colours. There are two couples.	ite professions
2. Shyam is an Engineer and his wife is not a doctor and she does not like Red colour.	
3. Chartered Accountant likes green colour and his wife is a teacher.	
4. Manisha is the mother-in-law of Sunita and she likes orange colour.	
5. Vimal is the grand father of Tarun and tarun is the Principal and likes black colour.	a white colour
6. Nyna is the grand daughter of Manisha and she likes blue colour. Nyna's Mother like	5 WHILE COIDUI.
Which of the following is the correct pair of two couples?	
Cannot be determined	
○ Shyam-Manisha, Vimal-Sunita	
Shyam-Sunita, Vimal-Manisha	
C Tarun-Nyna, Shyam-Sunita	
Overetters No.0	4.00
Question No.9	4.00
	Bookmark □
If the rake of not alin of an inclined fault is 000 the fault is	Bookmark □
If the rake of net slip of an inclined fault is 90°, the fault is	Bookmark 🗖
C Transcurrent fault	Bookmark <u></u> □
Transcurrent faultOblique slip fault	Bookmark <u></u> □
Transcurrent faultOblique slip faultDip slip fault	Bookmark <u></u> □
Transcurrent faultOblique slip fault	Bookmark <u></u> □
 Transcurrent fault Oblique slip fault Dip slip fault Strike slip fault 	Bookmark <u></u> □
Transcurrent faultOblique slip faultDip slip fault	4.00
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault Question No.10	
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault A system representing a regional isostatic compensation is known as	4.00
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati	4.00
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz	4.00
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati	4.00
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz	4.00
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen	4.00
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen	4.00 Bookmark □
Coblique slip fault Dip slip fault Strike slip fault A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen Pratt-Hayford Question No.11	4.00 Bookmark
Coblique slip fault Dip slip fault Strike slip fault Strike slip fault A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen Pratt-Hayford Question No.11 Which of the following isotope is almost extinct on Earth	4.00 Bookmark [
Coblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen Pratt-Hayford Question No.11	4.00 Bookmark [
Coblique slip fault Dip slip fault Strike slip fault Strike slip fault A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen Pratt-Hayford Question No.11 Which of the following isotope is almost extinct on Earth	4.00 Bookmark [
Coblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen Pratt-Hayford Question No.11 Which of the following isotope is almost extinct on Earth 232 Th	4.00 Bookmark □
C Transcurrent fault C Oblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen Pratt-Hayford Question No.11 Which of the following isotope is almost extinct on Earth 232 Th 26 Al	4.00 Bookmark [
 Transcurrent fault Oblique slip fault Dip slip fault Strike slip fault Question No.10 A system representing a regional isostatic compensation is known as Wadati Vening- Meinesz Airy-Heiskanen Pratt-Hayford Question No.11 Which of the following isotope is almost extinct on Earth 232 Th 26 Al 235 U 	4.00 Bookmark □

Question No.12	4.00
A narrow inlet with steep cliffs, created by glacial erosion is known as	Bookmark □
© Fjord	
○ Kames	
© Cirque	
Question No.13	4.00 Bookmark
The south-west monsoon is active duringin India © January to April	Dodanan [
○ March to May	
C October to December	
C June-September	
Question No.14	4.00 Bookmark ✓
Which one of the following is NOT a set of polymorphous minerals?	
Kyanite, sillimanite, andalusite.Graphite, anthracite, diamond	
Calcite, aragonite, vaterite	
© Quartz, coesite, tridymite	
Ougstion No 15	4.00
Question No.15	4.00 Bookmark ☑
Since the of the motor car, road accidents have increased dramatically.	
Since the of the motor car, road accidents have increased dramatically. © inception	
Since the of the motor car, road accidents have increased dramatically.	
Since the of the motor car, road accidents have increased dramatically. o inception advent	
Since the of the motor car, road accidents have increased dramatically. o inception advent inauguration	Bookmark 🗸
Since the of the motor car, road accidents have increased dramatically. o inception advent inauguration initiation Question No.16	Bookmark ⊭
Since the of the motor car, road accidents have increased dramatically. o inception advent inauguration initiation	Bookmark 🗸
Since the of the motor car, road accidents have increased dramatically. inception advent inauguration initiation Question No.16 The shape of the earth is described as	Bookmark 🔀
Since the of the motor car, road accidents have increased dramatically. inception advent inauguration initiation Question No.16 The shape of the earth is described as Spheroid Prolate ellipsoid Oblate spheroid	Bookmark 🗸
Since the of the motor car, road accidents have increased dramatically. o inception advent inauguration initiation Question No.16 The shape of the earth is described as Spheroid Prolate ellipsoid	Bookmark 🗸
Since the of the motor car, road accidents have increased dramatically. o inception advent inauguration initiation Question No.16 The shape of the earth is described as Spheroid Prolate ellipsoid Oblate spheroid	4.00 Bookmark 4.00 4.00
Since the of the motor car, road accidents have increased dramatically. oracle inception advent inauguration initiation Question No.16 The shape of the earth is described as Spheroid Prolate ellipsoid Oblate spheroid Ellipsoid Question No.17 If 5 men or 8 boys can do a work in 84 days. In how many days can 10 men and 5 boys can	4.00 Bookmark 4.00 Bookmark 4.00 Bookmark
Since the of the motor car, road accidents have increased dramatically. or inception advent inauguration initiation Question No.16 The shape of the earth is described as Spheroid Prolate ellipsoid Oblate spheroid Ellipsoid Question No.17 If 5 men or 8 boys can do a work in 84 days. In how many days can 10 men and 5 boys can same work?	4.00 Bookmark 4.00 Bookmark 4.00 Bookmark
Since the of the motor car, road accidents have increased dramatically. oradvent inauguration initiation Question No.16 The shape of the earth is described as Spheroid Prolate ellipsoid Oblate spheroid Ellipsoid Question No.17 If 5 men or 8 boys can do a work in 84 days. In how many days can 10 men and 5 boys car same work? 35	4.00 Bookmark 4.00 Bookmark 4.00 Bookmark
Since the of the motor car, road accidents have increased dramatically. oracle inception advent inauguration initiation Question No.16 The shape of the earth is described as Spheroid Prolate ellipsoid Oblate spheroid Ellipsoid Question No.17 If 5 men or 8 boys can do a work in 84 days. In how many days can 10 men and 5 boys can same work?	4.00 Bookmark 4.00 Bookmark 4.00 Bookmark
Since the of the motor car, road accidents have increased dramatically. c inception advent inauguration initiation Question No.16 The shape of the earth is described as Spheroid Prolate ellipsoid Oblate spheroid Ellipsoid Question No.17 If 5 men or 8 boys can do a work in 84 days. In how many days can 10 men and 5 boys car same work? 35 25	4.00 Bookmark 4.00 Bookmark 4.00 Bookmark

Question No.18 4.00
Bookmark ☐ If we know the bulk composition of the basalt and the composition of the olivine, we can estimate
O Depth of formation
© Pressure of formation
C Amount of water in magma
The temperature of crystallisation
Question No.19 4.00 Bookmark □
Choose the correct pair of plutonic rock and its equivalent.
© Syenite- Rhyolite
© Diorite-Andesite
C Diorite- Dacite
© Granite- Granodiorite
Question No.20 4.00
Bookmark □
Nappe structures can be formed by
© Recumbent folding
O Normal faulting
Over thrusting O Roth (a) and (b)
O Both (a) and (c)
Question No.21 Bookmark On a 1:10,000 scale map, the length of a fault trace on a horizontal plane is represented as 5cm. The same on a 1:25,000 scale vertical aerial photograph is cm. C 2cm C 3cm C 4cm C 2.5cm
Question No.22 4.00
A two digit number is three times the sum of its digits. If 45 is added to it, the digits are reversed. The number is 31 35 27 32
Question No.23
Bookmark ☐ The angle between the present geographic north and geomagnetic north is
© 23.5°
° 7.5°
° 11.5°
© 1.5°
- 1.J

Question No.24	4.00
The igneous rock that result due to the intergrowth of Na and K feldspars is	Bookmark
© Ophitic	
© Perthitic	
○ Graphic	
© Myrmekitic	
,	
Question No.25	4.00
Narmada Valley is an example of	Bookmark 🗆
© Denudational valley	
○ Karst valley	
C Hanging valley	
○ Graben	
Overetion No 20	4.00
Question No.26	4.00 Bookmark
There aresilicate minerals in Moh's scale of hardness	
C 4	
C 2	
O 3	•
C 5	
Question No.27 The composition of a sandstone is Quartz: 55%, feldspar: 25%, rock fragments: 1% and petrographically the sandstone is classified as: © Quartz wacke © Lithic arenite	4.00 Bookmark matrix: 19%,
C Arkosic wacke	
O Arkose	
Question No.28	4.00
	Bookmark □
At what depth olivine changes to spinel?	
© 660km	
O 410km	
© 220km © 150km	
O ISUKIII	
Question No.29	4.00
Which of the following microfossil groups is generally found in deep sea below the Carbo Compensation Depth?	
© Cocoliths	
○ Radiolaria	
○ Foraminifera	
○ Ostracods	

Question No.30	4.00
Pentlandite is an ore mineral of	Bookmark □
○ Lead	
© Zinc	
○ Nickel	
○ Copper	
Question No.31	4.00
Choose the correct meaning of the italicized idiom.	Bookmark □
Those who work by fits and start seldom show good results.	
○ Irregularly	
© Disinterestedly	
© Regularly	
© Rarely	
Question No.32	4.00
The two meet chundent elements in the could are	Bookmark □
The two most abundant elements in the earth are Oxygen and iron	MV
O Iron and silicon	
© Iron and magnesium	
Oxygen and silicon	
Question No.33	4.00 Bookmark □
These boys need some new books,?	DOOKIIIAI K
o isn't it?	
C do they?	
o don't they?	
o is it?	
Question No.34	4.00
	Bookmark
The planet having maximum number of moons is	
NeptuneUranus	
© Jupiter	
© Saturn	
Question No.35	4.00 Bookmark □
Which of the following geomorphic features is not related to desert environments?	200mmin L
© Esker	
○ Hamada	
○ Yardang	
○ Bajada	

Question No.36 4.00 Bookmark 🗸 Which number replaces the question mark? 0 11 0 12 0 10 09 **Question No.37** 4.00 Bookmark 🗸 Choose the best antonym of the italicized word. There are four chapters that are *extraneous* to the structure of the book. integral relevant needful important **Question No.38** 4.00 In high grade metamorphism, biotite breakdown indicates Rock dehydration Rock uplifting Rock cooling Rock hydration **Question No.39** 4.00 Bookmark [processes are largely controlled by ground freezing and thawing leading to rock weathering. Polar Alpine Continental Periglacial **Question No.40** 4.00 Bookmark 🔽 Hawaiian Island chain is the result of C Divergence of two oceanic plates C Collision of two oceanic plates Intraplate hot spot activity Interplate hot spot activity

Question No.41	4.00 Bookmark
In recent times, the number of cases of death by poisoning sharply. • has increased	
O had increased	
○ increased	
○ have increased	
Question No.42	4.00
Choose the correct meaning of the italicized idiom.	
You cannot throw <i>dust into my eyes.</i> © Abuse me	
© Terrify me	
C Cheat me	
C Hurt me	
Question No.43	4.00
The correct sequence of metamorphic facies with increasing depth in a subduction zone is	Bookmark □
Greenschist, blueschist, eclogite	
Greenschist, eclogite, blueschist	
O Blueschist, eclogite, greenschist	
Blueschist, greenschist, eclogite	
Question No.44	4.00
Allochems in a limestone consist of	Bookmark □
○ Spar	
O Micrite	
O Bioclasts and ooids	
O Ooids	
Question No.45	4.00 Bookmark
Which of the following is a feature of thrust fault terrain?	BOOKINAIK [_
C Both (a) and (c)	
O Decollement	
C Klippe C Nappe	
Question No.46	4.00 Bookmark □
The intersection of the lines connecting opposite fiducial marks in an aerial photograph is	
○ Focal point	
© Principal Point	
C Camera Centre	
C Zenith point	

Question No.47	4.00
Silica undersaturated minerals are	Bookmark
Nepheline and albite	
Olivine and enstatite	
C Leucite and orthoclase	
Olivine and leucite	
Citylic and leadite	
Question No.48	4.00 Bookmark
On crystallisation of anorthite, Sr concentration in the magma will	DOOKINGIK [_
○ Increase	
© Decrease	
○ Remain constant	
Increase and then decrease	
Question No.49	4.00 Bookmark
Choose the best synonym of the italicized word. The prisoners of war signed the document	
coercion.	
confusion	
o security	
compulsion	
© supervision	
Question No.50 A B C D (1) (2) (3) (4) C 1 C 4 C 2 C 3	4.00 Bookmark □
Question No.51	4.00 Bookmark
Choose a Proterozoic stratigraphic unit from the following	
O Dharwar super group	
○ Gondwana super group	
Cuddapah super group	
C Iron ore group	

Question No.52	4.00
The boundary between western and eastern Dharwar Craton is demarcated by	Bookmark <u></u> ☐
○ Kolar suture zone	
Chitradurga Shear Zone	
C Closepet granite	
© Peninsular gneiss	
Question No.53	4.00
Question No.33	Bookmark
Which pair of rock types best describes the products of metamorphism in the contact aur Slate and schist	eole?
C Hornfels and skarn	
○ Schist and skarn	
C Schist and hornfels	
Question No.54	4.00
	Bookmark □
Waves can be best described as Features that occur on the free surface of bodies of water and are a result of earth	's gravity
Features that occur below the free surface of bodies of water and are a result of the	
wind	J. S. S. Mily
 Features that occur on the surface of waterbodies result due to the blowing wind 	
 Features that occur on the free surface of bodies of water and are a result of moo 	n's gravity
Question No.55	4.00
	Bookmark □
Silicate structure of mineral beryl is Nesosilicates	
o Sorosilicates	
C Inosilicates	
© Cyclosilicates	
Question No.56	4.00
	Bookmark
Himalaya started forming at	
© 50Ma © 300Ma	
© 150Ma	
© 500Ma	
Question No.57	4.00
Question No.37	Bookmark
The dominant process of heat transfer in the lithosphere is	
ConductionRadiation	
© Convection	
© Advection	

Question No.58	4.00
The most suitable radioactive method for dating Holocene events is	Bookmark □
© Sm-Nd	
○ U-Pb	
○ Rb-Sr	
© C-14	
Question No.59	4.00
	Bookmark □
Choose the missing term : AZ, GT, MN, ?, YB	
o TS	
C SH	
O SX	
° KE	
	4.00
Question No.60	4.00 Bookmark □
A landform that results from fall of rocks is called	MA
O Debris flow	
O Alluvial fan	
Talus slopeEskers	
U Liskeis	
Question No.61	4.00
	Bookmark □
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as	Bookmark □
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships	Bookmark □
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity	Bookmark □
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality	Bookmark □
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity	Bookmark □
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality	Bookmark ☐ ents, is
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode volume. Wehrlite Harzburgite	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode work with the continuity Harzburgite Lherzolite	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode volume. Wehrlite Harzburgite	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode work with the continuity Harzburgite Lherzolite	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode vor Wehrlite Harzburgite Lherzolite Dunite Question No.63	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode vowelength of the work of the provided of the provided of the provided of the provided of the principle of the provided of the principle of the principl	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode vor Wehrlite Harzburgite Lherzolite Dunite Question No.63	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode vower when the continuity Harzburgite Lherzolite Dunite Question No.63 is a mineral showing varying hardness. Calcite	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as Principle of cross-cutting relationships Principle of lateral continuity Principle of original horizontality Principle of superposition Question No.62 An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode vor Wehrlite Harzburgite Lherzolite Dunite Question No.63 is a mineral showing varying hardness. Calcite Kyanite	Bookmark

Question No.64	4.00 Bookmark
Select hypothermal mineral deposit from the following:	DOOKIIIAI K
© Molybdenite	
○ Galena	
○ Cinnabar	
○ Sphalerite	
Question No.65	4.00
Question 110.00	Bookmark □
The ash content in tertiary coal compared to Gondwana coal is,	
○ Higher	
C Lower	
© Equal	
○ Variable	
Question No.66	4.00
Horizontal slickensides are observed on the surface of a vertical fault. What is the type of fa	Bookmark □
Reverse fault	duit.
O Normal fault	
O Strike-slip fault	
Oblique fault	
Question No.67	4.00 Bookmark ✓
Study the following information carefully and answer the question below it:	
Aasha, Bhuvnesh, Charan, Danesh, Ekta, Farhan, Ganesh and Himesh are sitting around a facing the centre. Aasha sits fourth to the right of Himesh while second to the left of Farhan not the neighbour of Farhan and Bhuvnesh. Danesh sits third to the right of Charan. Himesh next to Ganesh.	. Charan is
Who among the following sits between Ganesh and Danesh?	
O Ekta	
○ Bhuvnesh	
○ Aasha	
O Charan	
Question No.68	4.00
	Bookmark □
Gravity at the center of the earth is	
O 980 gals	
O 1068 gals	
C Zero	
O 432 gals	

A confined sandy aquifer has a thickness of 10m and transmissivity of 0.75m ² per day. Its hydraulic conductivity is m per day. ○ 75m per day ○ 0.0075 m per day ○ 0.75m per day ○ 0.075m per day
- 0.07 offit por day
Question No.70 4.00 Bookmark ✓
If A+B means A is daughter of B, A-B means A is husband of B A × B means A is brother of B
From the statement P – Q + R × S, how is Q related to S? Niece Sister
O Mother O None of these
Question No.71 4.00
The correct pair of naturally occurring fissile isotope of Uranium is ○ U ²³⁶ and U ²³⁷ ○ U ²³⁶ and U ²³⁸ ○ U ²³⁵ and U ²³⁸ ○ U ²³⁵ and U ²³⁶
Question No.72 4.00
Bookmark ✓ Study the following information carefully and answer the question below it
(i) There is a group of five persons- A, B, C, D and E (ii) One of them is manual scavenger, one is sweeper, one is watchman, one is human scarecrow and one is grave-digger (iii) Three of them – A, C and grave-digger prefer tea to coffee and two of them – B and the watchman prefer coffee to tea (iv) The human scarecrow and D and A are friends to one another but two of these prefer coffee to tea. (v) The manual scavenger is C's brother
Who is a manual scavenger?
O A O D
О В О С

Question No.73	4.00
Herringbone structure is generally formed in which of the following environment?	Bookmark 🔽
୍ଦ Fluvial	
○ Lacustrine	
○ Tidal	
○ Aeolian	
Question No.74	4.00
	Bookmark □
Angle of repose is a term associated with	
C Landslide	
© Dip of beds	
© Flood	
- T. 100 d	
Question No.75	4.00 Bookmark □
Knick points indicate changes in the	DOORINATK [_
○ Strike of a fault	
○ Stream gradient	
C Attitude of beds	
Attitude of joints	
Question No.76	4.00
Device state de la constitución	Bookmark □
Pangea started breaking up in © Mesozoic	
© Palaeozoic	
O Cenozoic	
O Proterozoic	
Question No.77	4.00
Quosioniton	Bookmark □
Gutenberg discontinuity is located at a depth of around	
C 150km	
© 600km	
© 2900km	
C 1500km	
Question No.78	4.00
A fonce diagram is used	Bookmark □
A fence diagram is used of for graphical display of 2D sub-surface geological data	
© for graphic display of 3-D data of stratigraphy and interpretations in 2D perspective	view
© for displaying the boundaries of an outcrop.	V. O VV
© for 3D graphical display of water table in an area	

Question No.79	4.00 Bookmark ▽
A good example of aquitard is	
© Fractured basalt	
C Porous Limestone	
○ Clay	
Question No.80	4.00
	Bookmark
What rock would you expect to find at the base of a typical oceanic plate? © Diorite	
© Gabbro	
C Peridotite	
© Basalt	
Question No.81	4.00
Blue schist facies metamorphism in mafic rock is characterised by the presence of wl	Bookmark
Glauconite	IICITAIINETAL?
© Pyrophyllite	7/1/
○ Glaucophane	
© Pyrope	
Question No.82	4.00
The crystal system of biotite is	Bookmark □
O Monoclinic	
Monoclinic Hexagonal	
MonoclinicHexagonalTriclinic	
Monoclinic Hexagonal	
MonoclinicHexagonalTriclinic	4.00
C Monoclinic C Hexagonal C Triclinic C Tetragonal Question No.83	4.00 Bookmark ✓
MonoclinicHexagonalTriclinicTetragonal	
Choose the right pair from the following.	
 Monoclinic Hexagonal Triclinic Tetragonal Question No.83 Choose the right pair from the following. Ninetyeast ridge- Rift Pranhita-godavari basin- Subduction Makran coast- transform fault 	
Choose the right pair from the following. Ninetyeast ridge- Rift Pranhita-godavari basin- Subduction	
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C Monoclinic Hexagonal Triclinic Tetragonal Question No.83 Choose the right pair from the following. Ninetyeast ridge- Rift Pranhita-godavari basin- Subduction Makran coast- transform fault Carlsberg ridge- spreading centre Question No.84 Which of the following pairs of minerals exhibit exsolution texture?	Bookmark
Choose the right pair from the following. Ninetyeast ridge- Rift Pranhita-godavari basin- Subduction Makran coast- transform fault Carlsberg ridge- spreading centre Question No.84 Which of the following pairs of minerals exhibit exsolution texture? Sphalerite- Pyrrhotite	Bookmark
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	4.00
	Bookmark □
Statement: "A Car is required on rent"-An Advertisement	
Assumptions: I. All types of Vehicles are available on Rent	
II. People will respond to the advertisements	
C If both I and II are implicit	
C If only assumption I is implicit	
C If only assumption II is implicit	
© If neither I nor II is implicit	
Question No.86	4.00
Quotati Holos	Bookmark □
Rust-coloured oxide and hydroxide minerals of iron and manganese that cap an ore deposit	-
○ Terra rosa	
C Laterite	
© Bauxite	
© Gossan	
Question No.87	4.00
	Bookmark □
Which of the following mineral crystallise in monoclinic system?	
○ Tourmaline	
○ Beryl	
© Pigeonite	
C Pyrite	
, juit	
Question No.88	4.00
	Bookmark □
Identify the mineral assemblage of greenschist facies metamorphism in mafic rock.	
○ chlorite + albite + diopside ± epidote, biotite	
C chlorite + albite + epidote ± actinolite, quartz	
C chlorite + albite + plagioclase + biotite	
C chlorite + albite + quartz + stilpnomelane + muscovite	
Question No.89	4.00
	4.00 Bookmark ▽
Choose the best antonym of the italicized word.	
Choose the best antonym of the italicized word. Many snakes are actually <i>innocuous</i> .	
Choose the best antonym of the italicized word. Many snakes are actually <i>innocuous</i> . © ferocious	
Choose the best antonym of the italicized word. Many snakes are actually <i>innocuous</i> . © ferocious © harmful	
Choose the best antonym of the italicized word. Many snakes are actually <i>innocuous</i> . ferocious harmful deadly	
Choose the best antonym of the italicized word. Many snakes are actually <i>innocuous</i> . © ferocious © harmful	
Choose the best antonym of the italicized word. Many snakes are actually innocuous. ferocious harmful deadly poisonous	
Choose the best antonym of the italicized word. Many snakes are actually <i>innocuous</i> . © ferocious © harmful © deadly	Bookmark ✓
Choose the best antonym of the italicized word. Many snakes are actually innocuous. ferocious harmful deadly poisonous Question No.90 The void ratio (in percentage) of sandstone is 25. Its porosity in percentage is:	Bookmark 🗸
Choose the best antonym of the italicized word. Many snakes are actually innocuous. ferocious harmful deadly poisonous Question No.90	Bookmark 🗸
Choose the best antonym of the italicized word. Many snakes are actually innocuous. ferocious harmful deadly poisonous Question No.90 The void ratio (in percentage) of sandstone is 25. Its porosity in percentage is:	Bookmark 🗸
Choose the best antonym of the italicized word. Many snakes are actually <i>innocuous</i> . ferocious harmful deadly poisonous Question No.90 The void ratio (in percentage) of sandstone is 25. Its porosity in percentage is: 10%	Bookmark 🔽
Choose the best antonym of the italicized word. Many snakes are actually innocuous. ferocious harmful deadly poisonous Question No.90 The void ratio (in percentage) of sandstone is 25. Its porosity in percentage is: 10% 20%	Bookmark 🔽

Question No.91	4.00
If in a certain language, GRASP is coded as BMVNK, which word would be coded as CRA HWFSJ XMVIZ FUDQH BQZMD	Bookmark ☐ .NE?
Question No.92	4.00
Name the minerals of Moh's scale of hardness which fall in the hexagonal crystal system. Talc, Gypsum, Calcite, Quartz Topaz, Corundum, Fluorite, Quartz Calcite, Apatite, Fluorite, Topaz Calcite, Apatite, Quartz, Corundum	Bookmark □
Question No.93	4.00
Choose the correct chemical(general) formula for garnet. $ \begin{array}{c} C \times_3 Y_2(SiO_4)_3 \\ C \times_3 Y_2SiO_4 \\ C \times_3 Y_2(SiO_4)_2.OH \\ C \times_3 Y_2(SiO_4)_2 \end{array} $	Bookmark □
Question No.94	4.00
Diamond bearing conglomerates are associated within India Faults in Vindhyans Unconformity in Vindhyans Faults in Cuddappahs Unconformity in Cuddappahs	4.00 Bookmark □
Diamond bearing conglomerates are associated within India © Faults in Vindhyans © Unconformity in Vindhyans © Faults in Cuddappahs	Bookmark 4.00
Diamond bearing conglomerates are associated within India Faults in Vindhyans Unconformity in Vindhyans Faults in Cuddappahs Unconformity in Cuddappahs	Bookmark
Diamond bearing conglomerates are associated within India Faults in Vindhyans Unconformity in Vindhyans Faults in Cuddappahs Unconformity in Cuddappahs Question No.95 Snowball garnet is Pre-tectonic Contact metamorphic Post-tectonic	Bookmark ☐ 4.00 Bookmark ☐
Diamond bearing conglomerates are associated within India Faults in Vindhyans Unconformity in Vindhyans Faults in Cuddappahs Unconformity in Cuddappahs Unconformity in Cuddappahs Pre-tectonic Contact metamorphic Post-tectonic Syn-tectonic	Bookmark ☐ 4.00 Bookmark ☐

Question No.97 Who proposed the principle "the present is the key to the past"? Carl von Linnaeus William Smith Alcide d' Orbigny James Hutton	4.00 Bookmark ☐
Question No.98 Didymograptus, an extinct genus of graptolites thrived during Late Cambrian to Middle Ordovician Devonian Middle Ordovician to Late Ordovician Late Ordovician to Late Silurian	4.00 Bookmark □
Question No.99 Which of the following mineral cannot be used as an abrasive? Garnet Corundum Gypsum Quartz	4.00 Bookmark □
Question No.100 Statements: All tools are books, Some books are pens. Conclusion: I. Some tools are pen II. Some pens are books If only conclusion II follows If neither I nor II follows If only conclusion I follows If either I or II follows	4.00 Bookmark □