367 PU M Sc Applied Geology

148	f 100 PU_2016_367_E Irothermal ore deposits often occur in the form of:- Vein Bed
0	Dyke
0	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
000	Class 1B and Class 1C - fold of Ramsay
	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
0	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
157 India	F 100 PU_2016_367_E a 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
0	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
О	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)
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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
0	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
52 of 100 124 PU_2016_367_E In a thin section of extrusive igneous rock, well developed ovine crystals are surrounded resultant 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
0	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

60 of 100

	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 fo	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
_	Anorthite
0	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:- 8 km 100 km 35 km
225	PU_2016_367_M cturally quartz is a:-
0	Isolated slilicate
0	Chain silicate
0	
	Ring silicate
241	of 100 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	Of 100 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 ich 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
0	Pangea
О	Purana
261 In the	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
\circ	Well sorted
0	Lithified
0	Poorly rounded
265	of 100 PU_2016_367_D limentary breccia is a rare rock type because:-
0	Clay is less abundant than other sedimentary particles
О	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	PU_2016_367_D ch of the following is NOT located along a convergent plate-boundary? Andean Mountain chain Indonesian islands Red sea Himalaya mountain chain
279 In u O	of 100 PU_2016_367_D niform flat rocks, drainage patterns tend to be:- Dendritic Radial Trellis Braided
260	PU_2016_367_D reaction Ferrosilite + Diopside = Enstatite + Hedenbergite, is a kind of:- Devolatilization reaction 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
0	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)
92 of 100 286 PU_2016_367_D Which 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
0	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	of 100 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	of 100 PU_2016_367_D ich of the following can act as a local base level?
0	a stream
~	a resistant strata
\cup	a lake

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