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 □
O Pseudo Electric	
Question No.2	4.00
500: # JI : # f	Bookmark □
FCC is the abbreviation for  Fast Colour Camera	
© False Colour Camera	
© First Colour Composite	
© False Colour Composite	
Question No.3	4.00
The test of averaging well ad formaticities in terms of any	Bookmark 🔽
The test of organic walled foraminifera is termed as:  © Hyaline	
© Porcellaneous	
O Tectinous	
© Microgranular	
Question No.4	
quodion no.	4.00
	Bookmark 🔽
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing	Bookmark 🔽
	Bookmark 🔽
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere	Bookmark 🔽
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere Earth's outer core	Bookmark 🔽
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere Earth's outer core Coceans Inter-planetary medium	Bookmark 🔽
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere Earth's outer core Oceans	Bookmark  in the
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing     lonosphere     Earth's outer core     Oceans     Inter-planetary medium  Question No.5	Bookmark  4.00  Bookmark
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere Earth's outer core Coceans Inter-planetary medium	Bookmark  4.00  Bookmark
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing	Bookmark  4.00  Bookmark
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere  Earth's outer core Oceans Inter-planetary medium  Question No.5  is a phenomenon of large-scale ocean circulation driven by density gradients create surface heat and freshwater fluxes Hydrothermal circulation Alkaline circulation	Bookmark  4.00  Bookmark
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere Earth's outer core Oceans Inter-planetary medium  Question No.5  is a phenomenon of large-scale ocean circulation driven by density gradients create surface heat and freshwater fluxes Hydrothermal circulation Alkaline circulation Hydrothermal flux	Bookmark  4.00  Bookmark
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing lonosphere  Earth's outer core Oceans Inter-planetary medium  Question No.5  is a phenomenon of large-scale ocean circulation driven by density gradients create surface heat and freshwater fluxes Hydrothermal circulation Alkaline circulation	Bookmark  4.00  Bookmark
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The diurnal variation of geomagnetic elements is due to a system of electric currents flowing	Bookmark In the  4.00 Bookmark In d by
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing blood knosphere  Earth's outer core  Oceans Inter-planetary medium  Question No.5  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  Question No.6  Magnetic behaviour of calcite is Ferrimagnetic	Bookmark In the  4.00  Bookmark In d by
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing	Bookmark In the  4.00  Bookmark In d by
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing	Bookmark In the  4.00  Bookmark In d by
The diurnal variation of geomagnetic elements is due to a system of electric currents flowing	Bookmark In the  4.00 Bookmark In d by

Question No.7	4.00 Bookmark □
An ideal structure for tunnels is	Doonman _
○ Anticline	
C I locanfarmity	
© Unconformity	
© Syncline	
○ Fault	
Overtice No. 0	4.00
Question No.8	4.00 Bookmark <b></b> ✓
Based on the information given answer the following question.	DOORIIIAIR 🗗
1. In a family of six persons, there are people from three generations. Each has separate	e professions
and they like different colours. There are two couples.	
<ol> <li>Shyam is an Engineer and his wife is not a doctor and she does not like Red colour.</li> <li>Chartered Accountant likes green colour and his wife is a teacher.</li> </ol>	
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.	
6. Nyna is the grand daughter of Manisha and she likes blue colour. Nyna's Mother likes	white colour.
Which of the following is the correct pair of two couples?	
© Cannot be determined	
© Shyam-Manisha, Vimal-Sunita	
•	
© Shyam-Sunita, Vimal-Manisha	
○ Tarun-Nyna, Shyam-Sunita	
Question No.9	4.00
	Bookmark □
f the rake of net slip of an inclined fault is 90 <sup>0</sup> , the fault is	
C Transcurrent fault	
Oblique slip fault	
○ Dip slip fault	
C Strike slip fault	
Question No.10	4.00
Question No. 10	4.00 Bookmark
A system representing a regional isostatic compensation is known as	Dookinark [
© Wadati	
© Vening- Meinesz	
© Airy-Heiskanen	
© Pratt-Hayford	
·	
Question No.11	4.00
Which of the following isotope is almost extinct on Earth	Bookmark 🗆
© 232 Th	
© 26 Al	
© 235 U © 180 W	

A narrow inlet with steep cliffs, created by glacial erosion is known as	Bookmark □
© Creek	
○ Fjord	
ℂ Kames	
© Cirque	
Question No.13	4.00 Bookmark
The south-west monsoon is active during in India	Бооктагк [
○ January to April	
○ March to May	
October to December	
© June-September	
·	
Overtion No 14	4.00
Question No.14	4.00 Bookmark <b>⋈</b>
Which one of the following is NOT a set of polymorphous minerals?	
C Kyanite, sillimanite, andalusite.	
© Graphite, anthracite, diamond	
<ul><li>Calcite, aragonite, vaterite</li><li>Quartz, coesite, tridymite</li></ul>	
S Quarte, cocosto, andyrmic	
Question No.15	4.00
Question No.15  Since the of the motor car, road accidents have increased dramatically.	4.00 Bookmark <b>☑</b>
Since the of the motor car, road accidents have increased dramatically.  © inception © advent	
Since the of the motor car, road accidents have increased dramatically.  o inception advent inauguration	
Since the of the motor car, road accidents have increased dramatically.  © 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.  original inception advent inauguration initiation	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	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	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.  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.  orinception advent inauguration initiation  Question No.16  The shape of the earth is described as Spheroid Prolate ellipsoid Oblate spheroid Ellipsoid  Question No.17	4.00 Bookmark   4.00 Bookmark   4.00
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 Ellipsoid	4.00 Bookmark   4.00 Bookmark   4.00
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 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.  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? 35 25	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 can same work?  35 25 28	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? 35 25	4.00 Bookmark   4.00 Bookmark   4.00 Bookmark

Г

Question No.18 4.0	00
Bookmark ☐ If we know the bulk composition of the basalt and the composition of the olivine, we can estimate	
O Depth of formation	
O Pressure of formation	
<ul><li>Amount of water in magma</li><li>The temperature of crystallisation</li></ul>	
The temperature of drystamouton	
Question No.19 4.0	
Bookmark  Choose the correct pair of plutonic rock and its equivalent.	]
© Syenite- Rhyolite	
O Diorite-Andesite	
O Diorite- Dacite	
○ Granite- Granodiorite	
Question No.20 4.0	00
Bookmark	
Nappe structures can be formed by	
© Recumbent folding	
○ Normal faulting	
Over thrusting	
○ Both (a) and (c)	
Question No.21 4.0	00
Bookmark □	
Bookmark ☐ On a 1:10,000 scale map, the length of a fault trace on a horizontal plane is represented as 5cm. The	
Bookmark □	
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.	
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. © 2cm	
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.  ○ 2cm  ○ 3cm	
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.  2cm 3cm 4cm 2.5cm	<u> </u>
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.  2cm 3cm 4cm	000
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.  2cm 3cm 4cm 2.5cm  Question No.22  A two digit number is three times the sum of its digits. If 45 is added to it, the digits are reversed. The	000
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.  2cm 3cm 4cm 2.5cm  Question No.22  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	000
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.  2 cm 3 cm 4 cm 2 .5 cm  Question No.22  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	000
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.  2cm 3cm 4cm 2.5cm  Question No.22  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	000
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.  2 cm 3 cm 4 cm 2 .5 cm  Question No.22  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	000
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.  2cm 3cm 4cm 2.5cm  Question No.22  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	000
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.  2 cm 3 cm 4 cm 2 .5cm  Question No.22  4.0  Bookmark  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 31 35 27 32	00
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.  © 2cm  © 3cm  © 4cm  © 2.5cm   Question No.22  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  4.0  Bookmark	00
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.  2 cm 3 cm 4 cm 2 .5cm  Question No.22  4.0  Bookmark  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 31 35 27 32	00
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.  2 cm 3 cm 4 cm 2.5cm  Question No.22  4.0  Bookmark  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  4.0  Bookmark  The angle between the present geographic north and geomagnetic north is 23.5°	00
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.  2 cm 3 cm 4 cm 2.5 cm   Question No.22  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  4.0  Bookmark The angle between the present geographic north and geomagnetic north is 23.5° 7.5°	00
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.  2 cm 3 cm 4 cm 2.5cm  Question No.22  4.0  Bookmark  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  4.0  Bookmark  The angle between the present geographic north and geomagnetic north is 23.5°	00

	4.00
	Bookmark □
The igneous rock that result due to the intergrowth of Na and K feldspars is	
C Ophitic	
© Perthitic	
○ Graphic	
© Myrmekitic	
Question No.25	4.00
Nameda Vallevia en evamble ef	Bookmark □
Narmada Valley is an example of	
© Denudational valley	
C Karst valley	
C Hanging valley	
○ Graben	
Question No.26	4.00
Question No.20	Bookmark <b>⊘</b>
There aresilicate minerals in Moh's scale of hardness	DOORIIIaik 🔽
0 4	
C 2	
03	
C 5	
Question No.27	4.00
T	Bookmark <b>☑</b>
The composition of a sandstone is Quartz: 55%, feldspar: 25%, rock fragments: 1% and petrographically the sandstone is classified as:	matrix: 19%,
© Quartz wacke	
C Lithic arenite	
○ Arkosic wacke	
○ Arkose	
	122
Question No.28	4.00
	4.00 Bookmark □
At what depth olivine changes to spinel?	
At what depth olivine changes to spinel?  © 660km	
At what depth olivine changes to spinel?  © 660km  © 410km	
At what depth olivine changes to spinel?  660km  410km  220km	
At what depth olivine changes to spinel?  © 660km  © 410km	
At what depth olivine changes to spinel?  © 660km  © 410km  © 220km  © 150km	Bookmark
At what depth olivine changes to spinel?  © 660km  © 410km  © 220km	
At what depth olivine changes to spinel?	Bookmark  4.00  Bookmark
At what depth olivine changes to spinel?	Bookmark   4.00  Bookmark
At what depth olivine changes to spinel?	Bookmark  4.00  Bookmark
At what depth olivine changes to spinel?	Bookmark  4.00  Bookmark
At what depth olivine changes to spinel?	Bookmark  4.00  Bookmark
At what depth olivine changes to spinel?	Bookmark  4.00  Bookmark

Question No.30	4.00
Pentlandite is an ore mineral of	Bookmark □
© Lead	
© Zinc	
© Nickel	
C Copper	
Question No.31	4.00
Quodian Nois I	Bookmark □
Choose the correct meaning of the italicized idiom.	
Those who work by fits and start seldom show good results.	
○ Irregularly	
C Disinterestedly	
○ Regularly	
○ Rarely	
Question No.32	4.00
The two most abundant elements in the earth are	Bookmark □
© Oxygen and iron	
© Iron and silicon	
© Iron and magnesium	
C Oxygen and silicon	
Question No.33	4.00
	Bookmark □
These boys need some new books,?	
○ isn't it?	
o do they?	
odon't they?	
○ is it?	
Question No.34	4.00
	Bookmark
The planet having maximum number of moons is	
○ Neptune	
O Uranus	
○ Jupiter	
○ Saturn	
Question No.35	4.00
Question No.00	Bookmark □
Which of the following geomorphic features is not related to desert environments?	<u></u>
C 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 Bookmark □ 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 Divergence of two oceanic plates C Collision of two oceanic plates Intraplate hot spot activity

Interplate hot spot activity

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

Question No.47	4.00 Bookmark
Silica undersaturated minerals are	Dookina K
Nepheline and albite	
Olivine and enstatite	
C Leucite and orthoclase	
Olivine and leucite	
Question No.48	4.00 Bookmark
On crystallisation of anorthite, Sr concentration in the magma will	Doomien E
○ Increase	
○ Decrease	
<ul> <li>Remain constant</li> </ul>	
C Increase and then decrease	
O	1.00
Question No.49	4.00 Bookmark □
Choose the best synonym of the italicized word. The prisoners of war signed the document	
coercion.	
C confusion	
© security	
© compulsion	
© supervision	
Question No.50	4.00 Bookmark □
A B C D	
$ \begin{array}{c cccc} \hline \bigcirc & \bigcirc & \bigcirc & \bigcirc \\ \hline \bigcirc & \bigcirc & \bigcirc & \bigcirc \\ \hline (1) & (2) & (3) & (4) \end{array} $	
C 4	
O 2	
O 3	
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 Bookmark □
The boundary between western and eastern Dharwar Craton is demarcated by C Kolar suture zone	
C Chitradurga Shear Zone	
C Closepet granite	
© Peninsular gneiss	
Question No.53	4.00
Which pair of rock types best describes the products of metamorphism in the contact aureo	Bookmark ☐ le?
○ Slate and schist	
C Hornfels and skarn	
C Schist and skarn	
C Schist and hornfels	
Question No.54	4.00
Weens and he had described as	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	· ·
© 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 moon's	gravity
Question No.55	4.00
Silicate structure of mineral beryl is	Bookmark
© Nesosilicates	
○ Sorosilicates	
○ Inosilicates	
© Cyclosilicates	
Question No.56	4.00
Himalaya started forming at	Bookmark
© 50Ma	
○ 300Ma	
© 150Ma	
© 500Ma	
Question No.57	4.00
	Bookmark
The dominant process of heat transfer in the lithosphere is  Conduction	
© Radiation	
Nadiation	
© Convection	
C Convection	
C Convection	

Question No.58	4.00
The most suitable radioactive method for dating Holocene events is	Bookmark [
© Sm-Nd	
C U-Pb	
○ Rb-Sr	
○ C-14	
Question No.59	4.00
Question No.00	Bookmark [
Choose the missing term : AZ, GT, MN, ?, YB	
o TS	
○ SH	
○ SX	
○ KE	
Question No.60	4.00
A landform that results from fall of rocks is called	Bookmark [
© Debris flow	
○ Alluvial fan	
○ Talus slope	
○ Eskers	
Question No.61	4.00
Question No.61	4.00 Bookmark □
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime	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	Bookmark
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as  C 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  C Principle of cross-cutting relationships C Principle of lateral continuity C Principle of original horizontality C 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 ☐ nts, is  4.00  Bookmark ☐
A principle that tells us that any intrusive rock or layer is younger than the layers of sedime known as  C Principle of cross-cutting relationships C Principle of lateral continuity C Principle of original horizontality C Principle of superposition  Question No.62  An igneous rock with 50% olivine, 25% orthopyroxene and 25% clinopyroxene by mode were as a second content of the layers of sedime known as	Bookmark ☐ nts, is  4.00  Bookmark ☐
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	4.00
Select hypothermal mineral deposit from the following:	Bookmark □
O Molybdenite	
© Galena	
Cinnabar	
○ Sphalerite	
Question No.65	4.00
The ash content in tertiary coal compared to Gondwana coal is,	Bookmark □
© Higher	
© Lower	
○ Equal	
○ Variable	
Question No.66	4.00
Question No.00	
Horizontal slickensides are observed on the surface of a vertical fault. What is the type of fau	Bookmark ☐
© Reverse fault	ait:
○ Normal fault	
○ Strike-slip fault	
Oblique fault	
Question No.67	4.00
Question No.67  Study the following information carefully and answer the question below it:	4.00 Bookmark ✓
	Bookmark 🔽 circle, Charan is
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.  Who among the following sits between Ganesh and Danesh?	Bookmark 🔽 circle, Charan is
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Study the following information carefully and answer the question below it:  Aasha, Bhuvnesh, Charan, Danesh, Ekta, Farhan, Ganesh and Himesh are sitting around a catering the centre. Aasha sits fourth to the right of Himesh while second to the left of Farhan on the neighbour of Farhan and Bhuvnesh. Danesh sits third to the right of Charan. Himesh next to Ganesh.  Who among the following sits between Ganesh and Danesh?  © Ekta  © Bhuvnesh  © Aasha  © Charan  Question No.68	Bookmark  circle, Charan is never sits
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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.  Who among the following sits between Ganesh and Danesh?  Ekta  Bhuvnesh  Aasha  Charan  Question No.68  Gravity at the center of the earth is  980 gals  1068 gals	Bookmark  circle, Charan is never sits
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Question No.69
Bookmark □
A confined sandy aquifer has a thickness of 10m and transmissivity of 0.75m <sup>2</sup> 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
Question No.70 4.00
Bookmark <b></b> ✓
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
A × B means A is brother of B
From the statement $P - Q + R \times S$ , how is Q related to S?
○ Niece
○ Sister
O Mother
© None of these
Question No.71 4.00
Bookmark ☐ The correct pair of naturally occurring fissile isotope of Uranium is
© U <sup>236</sup> and U <sup>237</sup>
$^{\circ}$ U $^{236}$ and U $^{238}$
$^{\circ}$ U <sup>235</sup> and U <sup>238</sup>
$^{\circ}$ U $^{235}$ and U $^{236}$
Question No.72 4.00
Bookmark <b>☑</b>
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?
○ A
O D
ОВ
o c

Question No.73	4.00 Bookmark ✓
Herringbone structure is generally formed in which of the following environment?	BOOKINAIK 🗗
○ Fluvial	
○ Lacustrine	
○ Tidal	
C Aeolian	
Question No.74	4.00
Analysis as a second state of with	Bookmark
Angle of repose is a term associated with	
C Landslide	
© Dip of beds	
€ Flood	
Question No.75	4.00
Queen None	Bookmark □
Knick points indicate changes in the	
C Strike of a fault	
C Stream gradient C Attitude of beds	
C Attitude of beds C Attitude of joints	
Autude of joints	
Question No.76	4.00
Pangea started breaking up in	Bookmark
O Mesozoic	
C Palaeozoic	
© Cenozoic	
C Proterozoic	
Question No.77	4.00
Gutenberg discontinuity is located at a depth of around	Bookmark
© 150km	
© 600km	
© 2900km	
○ 1500km	
Question No.78	4.00
	Bookmark
A fence diagram is used	
© for graphical display of 2D sub-surface geological data	view
<ul> <li>for graphic display of 3-D data of stratigraphy and interpretations in 2D perspective</li> <li>for displaying the boundaries of an outcrop.</li> </ul>	view
© for 3D graphical display of water table in an area	

Question No.79	4.00
A good example of aquitard is	Bookmark 🔽
○ Sandstone	
© 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?	DOOKINGI K
© Diorite	
○ Gabbro	
© Peridotite	
© Basalt	
Question No.81	4.00
Blue schist facies metamorphism in mafic rock is characterised by the presence of which m	Bookmark □
© Glauconite	
○ Pyrophyllite	
○ Glaucophane	
○ Pyrope	
Question No.82	4.00
	Bookmark
The crystal system of biotite is	
The crystal system of biotite is  Monoclinic	
© Monoclinic	
<ul><li>Monoclinic</li><li>Hexagonal</li></ul>	
<ul><li>Monoclinic</li><li>Hexagonal</li><li>Triclinic</li></ul>	4.00
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83	4.00 Bookmark 🔀
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following.	
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following. <ul> <li>Ninetyeast ridge- Rift</li> </ul>	
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following.	
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following. <ul> <li>Ninetyeast ridge- Rift</li> <li>Pranhita-godavari basin- Subduction</li> </ul>	
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following. <ul> <li>Ninetyeast ridge- Rift</li> <li>Pranhita-godavari basin- Subduction</li> <li>Makran coast- transform fault</li> </ul>	
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following. <ul> <li>Ninetyeast ridge- Rift</li> <li>Pranhita-godavari basin- Subduction</li> <li>Makran coast- transform fault</li> <li>Carlsberg ridge- spreading centre</li> </ul> Question No.84	Bookmark ⊭
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following. <ul> <li>Ninetyeast ridge- Rift</li> <li>Pranhita-godavari basin- Subduction</li> <li>Makran coast- transform fault</li> <li>Carlsberg ridge- spreading centre</li> </ul> Question No.84 Which of the following pairs of minerals exhibit exsolution texture?	Bookmark 🗸
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following. <ul> <li>Ninetyeast ridge- Rift</li> <li>Pranhita-godavari basin- Subduction</li> <li>Makran coast- transform fault</li> <li>Carlsberg ridge- spreading centre</li> </ul> Question No.84 Which of the following pairs of minerals exhibit exsolution texture? <ul> <li>Sphalerite- Pyrrhotite</li> </ul>	Bookmark 🗸
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following. <ul> <li>Ninetyeast ridge- Rift</li> <li>Pranhita-godavari basin- Subduction</li> <li>Makran coast- transform fault</li> <li>Carlsberg ridge- spreading centre</li> </ul> Question No.84 Which of the following pairs of minerals exhibit exsolution texture? <ul> <li>Sphalerite- Pyrrhotite</li> <li>Pyrite- Chalcopyrite</li> </ul>	Bookmark 🗸
<ul> <li>Monoclinic</li> <li>Hexagonal</li> <li>Triclinic</li> <li>Tetragonal</li> </ul> Question No.83 Choose the right pair from the following. <ul> <li>Ninetyeast ridge- Rift</li> <li>Pranhita-godavari basin- Subduction</li> <li>Makran coast- transform fault</li> <li>Carlsberg ridge- spreading centre</li> </ul> Question No.84 Which of the following pairs of minerals exhibit exsolution texture? <ul> <li>Sphalerite- Pyrrhotite</li> <li>Pyrite- Chalcopyrite</li> <li>Pyrite- Pyrrhotite</li> </ul>	Bookmark 🗸
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Question No.85	4.00 Bookmark
Statement: "A Car is required on rent"-An Advertisement	DOOKINAIR [
Assumptions: I. All types of Vehicles are available on Rent	
II. People will respond to the advertisements  © If both I and II are implicit	
C If only assumption I is implicit	
○ If only assumption II is implicit	
C If neither I nor II is implicit	
Question No.86	4.00
Rust-coloured oxide and hydroxide minerals of iron and manganese that cap an ore deposit  C Terra rosa  C Laterite	Bookmark ☐ is called:
○ Bauxite	
○ Gossan	
Question No.87	4.00
Which of the following mineral crystallise in monoclinic system? C Tourmaline C Beryl C Pigeonite C Pyrite	Bookmark □
Question No.88	4.00
Identify the mineral assemblage of greenschist facies metamorphism in mafic rock.	Bookmark
C 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
Choose the best antonym of the italicized word.	Bookmark 🔽
Many snakes are actually innocuous.	
C ferocious	
ଠ harmful ଠ deadly	
© poisonous	
Question No.90	4.00
The void ratio (in percentage) of sandstone is 25. Its porosity in percentage is:	Bookmark
€ 10%	
€ 20%	
6.30%	
C 30% C 40%	

Question No.91	4.00
	Bookmark □
If in a certain language, GRASP is coded as BMVNK, which word would be coded as CRA	NE?
O HWFSJ	
O XMVIZ	
○ FUDQH	
○ BQZMD	
Question No.92	4.00
QUESTION NO.52	Bookmark □
Name the minerals of Moh's scale of hardness which fall in the hexagonal crystal system.	
○ Talc, Gypsum, Calcite, Quartz	
○ Topaz, Corundum, Fluorite, Quartz	
C Calcite, Apatite, Fluorite, Topaz	
C Calcite, Apatite, Quartz, Corundum	
Question No.93	4.00
	Bookmark □
Choose the correct chemical(general) formula for garnet.	
$\circ X_3Y_2(SiO_4)_3$	
ດ X <sub>3</sub> Y <sub>2</sub> SiO <sub>4</sub>	
○ X <sub>3</sub> Y <sub>2</sub> (SiO <sub>4</sub> ) <sub>2</sub> .OH	
C X <sub>3</sub> Y <sub>2</sub> (SiO <sub>4</sub> ) <sub>2</sub>	
Σ Λ3·2(OlO4)2	
Question No.94	4.00
Question No.94	4.00 Bookmark
Question No.94  Diamond bearing conglomerates are associated within India	4.00 Bookmark □
Diamond bearing conglomerates are associated within India	
Diamond bearing conglomerates are associated within India  © Faults in Vindhyans	
Diamond bearing conglomerates are associated within India     Faults in Vindhyans     Unconformity in Vindhyans     Faults in Cuddappahs	
Diamond bearing conglomerates are associated within India  © Faults in Vindhyans  © Unconformity in Vindhyans	
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 C Faults in Vindhyans Unconformity in Vindhyans Faults in Cuddappahs Unconformity in Cuddappahs  Question No.95	Bookmark
Diamond bearing conglomerates are associated within India C Faults in Vindhyans Unconformity in Vindhyans Faults in Cuddappahs Unconformity in Cuddappahs  Question No.95  Snowball garnet is	Bookmark   4.00
Diamond bearing conglomerates are associated within India  C Faults in Vindhyans  Unconformity in Vindhyans  Faults in Cuddappahs  Unconformity in Cuddappahs  Question No.95  Snowball garnet is  Pre-tectonic	Bookmark   4.00
Diamond bearing conglomerates are associated within India C Faults in Vindhyans Unconformity in Vindhyans Faults in Cuddappahs Unconformity in Cuddappahs  Question No.95  Snowball garnet is Pre-tectonic C Contact metamorphic	Bookmark   4.00
Diamond bearing conglomerates are associated within India	Bookmark   4.00
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<ul> <li>Question No.97</li> <li>Who proposed the principle "the present is the key to the past"?</li> <li>Carl von Linnaeus</li> <li>William Smith</li> <li>Alcide d' Orbigny</li> <li>James Hutton</li> </ul>	4.00 Bookmark □
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 ☐
<ul> <li>Question No.99</li> <li>Which of the following mineral cannot be used as an abrasive?</li> <li>Garnet</li> <li>Corundum</li> <li>Gypsum</li> <li>Quartz</li> </ul>	4.00 Bookmark <u></u> □
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 ☐