# **Question Paper**

#### Notations:

- 1. Options shown in green color are correct.
- 2. Options shown in red color are incorrect.

Question Paper  Notations:  1. Options shown in green color are correct.  2. Options shown in red color are incorrect.		StudentBounts
<b>Question Paper Name:</b>	Junior Geologist	· OH
Duration:	60	

Group 1	
Group Minimum Dura	ation: 60

Geology		
Section type : Online	Number of Questions to be attempted:90	Mandatory or Optional: Mandatory

Sub-Section: 1 Question Shuffling Allowed: Yes

## Question id: 5805 Question Type: MCQ

The fold in which the axes plunges directly down the dip of the axial surface is termed as

#### **Options:**

- Normal folds
- Reclined fold
- Cascade fold
- Drag fold

## Question id: 5806 Question Type: MCQ

Coastal lakes connected to sea waters are known as

#### **Options:**

- Fresh water lakes
- Sabkha
- Lagoons
  - Embayment

#### **Question id: 5807 Question Type: MCQ**

Thrust fault differ from reverse fault in:

Relative position in Hanging Wall and Foot Wall	OTE .
Amount of dip involved in two faults	CAR
Nature of tectonic force	CHITE
Tectonic direction 4.	Student Bounts, con-
Question id: 5808 Question Type: MCQ	
The fluid pressure	
Options:	
Decreases both shearing and compressive strengths of the rock	
Decreases the shearing strength of the rock.	
Decreases the compressive strength of the rock	
Increases both shearing and compressive strengths of the rock	
Question id: 5809 Question Type: MCQ  The R.F. of a geological map prepared on a scale of 2cm=1 km. is:	
Options:	
1:50,000	
2. 1: 5000	
3. 1:500	
4. 1:100000	
Question id: 5810 Question Type: MCQ0.0)	
Hade of a vertical fault will be	
Options:	
1. 90°	
2. 45°	
3. 0°	
4. <sup>40</sup> °	
Question id : 5811 Question Type : MCQ  Where do the ophiolite suits of rocks occur	
Options:	
Lesser Himalaya	

# Inhomogeneous and isotronic

Homogeneous and isotropic

Homogeneous and anisotropic

Inhomogeneous and anisotropic

# Student Bounty.com Which of the following is most useful for palaeoenvironmental interpretations? **Options:** Animal fossil Plant fossil Trace fossil Pseudo fossil Question id: 5817 Question Type: MCQ 90°E ridge is located in **Options:** Antartic ocean Arabian Sea Indian Ocean Pacific Ocean Question id: 5818 Question Type: MCQ An impermeable body of rock which neither absorbs nor transmits water is known as: **Options:** Aquifuge Aquifer Permeable Confined aquifer Question id: 5819 Question Type: MCQ A stream is positioned above the water table and discharges into the underlying ground water system, is known as: **Options:** Affluent stream Influent stream Subsurface stream Running water Question id: 5820 Question Type: MCQ Water formed through chemical reactions in geological processes and brought into the hydrological system for the first time is known as

VENTBOUNTS.COM Juvenile Water Chemical water Perched water Question id: 5821 Question Type: MCQ Water that is trapped in sediments at the time of their deposition is known as **Options:** Juvenile water Meteoric water Connate water Artesian water Question id: 5822 Question Type: MCQ The ratio of the volume of water that drains by gravity to that of the total volume of the saturated porous medium is termed as **Options:** Water yield Specific Yield Water ratio Water volume Question id: 5823 Question Type: MCQ A point where subsurface water emerges at surface, usually as a result of topographical, lithological or structural controls is called as **Options:** Subsurface water Connate water Spring Lake **Question id: 5824 Question Type: MCQ** Magmatic carbonates are termed as **Options:** Calc-silicate Carbonatite Chalcedony

# Student Bounty.com Question id: 5825 Question Type: MCQ Quartz displays undulose extinction due to **Options:** Twinning Impurity Fluid inclusion Deformation Question id: 5826 Question Type: MCQ Lithosphere comprises of **Options:** Crust and Mantle Crust, Mantle and Outer core Crust and Upper mantle Crust and Lower mantle Question id: 5827 Question Type: MCQ Glaucophane is an index mineral of **Options:** Green-schist facies Blue-schist facies Almandine-amphibolite facies Granulite facies

#### **Question id: 5828 Question Type: MCQ)**

A Listric fault is

## **Options:**

- Steep dipping normal fault
- Gentle dipping normal fault
- Steep dipping fault at top and gentle dipping at bottom
- Gentle dipping fault at top and steep dipping at bottom

### Question id: 5829 Question Type: MCQ

Flat topped sea mountains are termed as

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Question id : 5834 Question Type : MCQ	26
Stalactite is a kind of:	Tage 1
Options:	CIL
Depositional feature	Odli
2. Erosional feature	Student Bounts, com
Replacement feature	COM
Deformational feature	
Question id : 5835 Question Type : MCQ	
Which one among the following is a feature produced by wind	
Options:	
1. Drumlins	
2. Loess	
3. Delta	
4. Canyons	
Question id : 5836 Question Type : MCQ Antecedent Streams are those which:	
Options:	
Maintain their original course across area of uplift	
2. Follow the slope of the initial land surface	
Develop on the sloping sides of stream valley	
Flowing on exposed older rocks	
Question id : 5837 Question Type : MCQ	
When the minimum principal stress is vertical, the resultant fault is:	
Options :	
Strike-slip fault	
2. Reverse fault	
Oblique slip fault	
4. Normal fault	
Question id: 5838 Question Type: MCQ	
The higher contour always enclose lower ones in case of a	
Options:	
1. Hill	

# Student Bounts, com **Options:** Lithification Fluidzation Cementation Crystallization Question id: 5844 Question Type: MCQ The rock composed of rounded pebbles is called: **Options:** Pebble stone Clastic stone Conglomerate Rhyolite Question id: 5845 Question Type: MCQ Lamprophyres characteristically exhibit **Options:** Allotriomorphic texture Automorphic txture Penidiomorphic texture Hyperautomorphic texture Question id: 5846 Question Type: MCQ Unconformities are indicative of: **Options:** Break in deposition Change in materials being deposited Change in mode of deposition Change in environment of deposition Question id: 5847 Question Type: MCQ The youngest rocks of the basaltic crust on the sea floor are found along **Options:** Abyssal plains Mid oceanic ridges

4. Subduction zone	SEE
Question id : 5848 Question Type : MCQ Ptilophyllum is a characteristic fossil of:	Student Bounty Com
Options:	34
Lower Gondwanas	.6
Upper Gondwanas	
3. Middle Gondwana	
4. Vindhyans	
Question id : 5849 Question Type : MCQ	
Khondalite is	
Options:	
graphite bearing rock	
pyroxene bearing rock	
hypersthenes bearing rock	
composed of actinolite	
Question id : 5850 Question Type : MCQ Arenaceous rocks are composed of	
Options:	
Boulders 1.	
Pebbles 2.	
3. Sand	
4. Clay	
Question id: 5851 Question Type: MCQ An intergrowth of two feldspars- a host grain of K-feldspar,KAlS lamellae or irregular intergrowths of albite NaAlSi <sub>3</sub> O <sub>8</sub> is	i₃O <sub>8</sub> includes exsolved
Options:	
Myrmekitic texture	
Perthitic texture	
Anti-perthitic texture 3.	
4. Graphic texture	

# AGENT BOUNTY COM **Options:** High Porasity High Permeability High Porosity and High permeability High porosity and low permeability Question id: 5853 Question Type: MCQ Benioff zone is well known for **Options:** Deep focus earthquake Shallow focus earthquake Convergent boundaries Mid oceanic ridges Question id: 5854 Question Type: MCQ Benefits of satellite imaging do not include: **Options:** large area coverage coverage of inaccessible areas frequent re-coverage easy bird nest identification Question id: 5855 Question Type: MCQ Aerial Photo-interpretation does not rely on: **Options:** Methodical approach Use of shapes and patterns Use of textures and shades Type of aircraft Question id: 5856 Question Type: MCQ The most suitable plate margin for hydrocarbon generation is **Options:** Atlantic type Andean type

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Student Bounts, com San Andreas type Question id: 5857 Question Type: MCQ The energy that is most useful in passive remote sensing is the energy that is: **Options:** Reflected Absorbed Transient Transmitted Question id: 5858 Question Type: MCQ The example of active remote sensing is: **Options:** Radar imaging Near Infrared imaging Ultrasonography Polar orbiting satellite Question id: 5859 Question Type: MCQ IFOV stands for **Options:** Image Field Objects Varieties International Field Of Vision Instantaneous Field Of View Instrument For Objective Vision Question id: 5860 Question Type: MCQ Minimum mapping unit from a satellite sensor is refers to it's: **Options:** Temporal resolution Spectral resolution Radiometric distortion Spatial resolution Question id: 5861 Question Type: MCQ For remote imagery, swath width refers to

Absence of which of the following the overlay operation in GIS is not possible

Question id: 5865 Question Type: MCQ

Common co-ordinate system

Common satellite sensor

**Options:** 

# Question id: 5866 Question Type: MCQ

Satellite imagery may now be valuable for most GIS applications due to:

#### **Options:**

- Newer high resolution image capture
- Government investment
- Broad swath width
- 1 Kilometer minimum mapping units

#### Question id: 5867 Question Type: MCQ

'Quad tree' in a Geographic Information System is a type of

#### **Options:**

- Facility to count number of trees in a region
- Facility to identify type of trees in a region
- Facility to identify as well as count number of different tree types.
- Database management system

### Question id: 5868 Question Type: MCQ

The projection system involved in aerial photography is

#### **Options:**

- Orthographic
- Stereographic
- . Gnomonic
- Perspective

#### Question id: 5869 Question Type: MCQ

Which of the followings conditions is suitable for development of Ravines?

# **Options:**

- Granite in arid climate
- Limestone in cold climate
- Shale in humid climate
- Sandstone in semi-arid climate

# Question id: 5870 Question Type: MCQ

Diagenesis refers to

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WENTBOUNTS, COM Pre-depositional change Syn-depositional change Deformational changes Question id: 5871 Question Type: MCQ The radial drainage pattern is found in some region it may indicate presence of **Options:** Structural basin Structural dome Syncline Antiform Question id: 5872 Question Type: MCQ The Lonar lake in Maharastra is said to be formed by **Options:** Intersection of three faults Meteoritic impact Basin structure Ground water table coming over the surface Question id: 5873 Question Type: MCQ The black cotton soil in Maharastra is said to be formed by weathering of **Options:** Granite Basalt Khondalite Graphite Question id: 5874 Question Type: MCQ Originating in Maharastra which river forms its delta in Andhra Pradesh **Options:** Ganga Narmada Godavari Kaveri

# Student Bounty Com **Options:** High infiltration into ground water High surface runoff High evapotranspiration Presence of basalt on the surface **Question id: 5876 Question Type: MCQ** Which of the following bands from a satellite sensor would be most appropriate for identifying soil moisture zones? **Options:** Blue Green Red 4. Near Infra Red Question id: 5877 Question Type: MCQ Which of the following has highest electrical resistivity? **Options:** 1 Granite Sandstone Shale galena Question id: 5878 Question Type: MCQ The acronym NDVI is related to **Options:** Geographic Information System Digital Image Processing Landslide monitoring Ground water exploration **Question id: 5879 Question Type: MCQ** The red colored regions in standard FCC images denote Green vegetation Red vegetation Dad nainted abiente

# YCHIBOURIS, COM Question id: 5880 Question Type: MCQ The 'Great Boundary Fault' occurs in the region of **Options:** Alwar Chittorgarh Jaipur Ajmer Question id: 5881 Question Type: MCQ In ductile deformation ultramylonite contains **Options:** 10 to 20% matrix 20-50% matrix 50-90% matrix. 90-100% matrix. Question id: 5882 Question Type: MCQ The boundary between the crust and mantle is termed as **Options:** Conrad discontinuity Mohorovicic discontinuity Gutenberg discontinuity Repetti discontinuity Question id: 5883 Question Type: MCQ Glaucophane is an index mineral of **Options:** Green-schist facies Almandine-amphibolite facies Blue-schist facies Granulite facies Question id: 5884 Question Type: MCQ Which of the following Place's earth quakes is related to the Son-Narmada rift?

Options:

Latur

Student Bounty Com Uttarkashi Question id: 5885 Question Type: MCQ Laterites are formed as a result of **Options:** Weathering or leaching Chemical precipitation Biogenic activity Sedimentation Question id: 5886 Question Type: MCQ The dip of the S-surface is best measured on: **Options:** Horizontal plane Vertical plane Inclined plane Curved plane Question id: 5887 Question Type: MCQ Which one is an example of structure having quaquaversal dip **Options:** Depression Plateau 3 Dome Horse Question id: 5888 Question Type: MCQ The reverse fault dipping at an angle of less than 45° is termed as **Options:** Over thrust Under thrust Thrust Klippe **Question id: 5889 Question Type: MCQ** In a complexly deformed area older rock is observed in the core of the synform What type of structure can be interpreted?

2.	Syncline
3.	Synformal anticline
4.	Antiformal Syncline
	Syncline Synformal anticline Antiformal Syncline  sestion id: 5890 Question Type: MCQ When a sandstone is metamorphosed completely, it becomes:  otions:
_	· ·
1.	Quartzite
2.	Gneiss
3.	Schist
4.	Slate
_	4. 11 5001 O 4. T. MCO
	uestion id : 5891 Question Type : MCQ
	Vhich of the following mineral is having dual hardness:
	Tala
-	Talc  Kyanite
	Homblende
4.	Epidote
Qι	uestion id : 5892 Question Type : MCQ
Iı	selberg and Zeugen are the structures produced by the
Or	otions:
1.	Glacial erosion
2.	Wind erosion
3.	River erosion
4.	Sea erosion
^	4. 11 5003 O. 4. T. MCO
	lestion id : 5893 Question Type : MCQ
	the crescent shaped dune in which the convex side faces wind direction is:
-	Parabolic dunes
•	Transverse dunes
٠.	Barchan dunes
	Sand dunes
<del>1</del> .	

# **Options:** Maintain their original course across area of uplift

- Follow the slope of the initial land surface
- Develop on the sloping sides of stream valley
- Flowing on exposed older rocks

as:	5	
aintain their original course a	cross area of uplift	
llow the slope of the initial la	cross area of uplift and surface	
evelop on the sloping sides of	f stream valley	
owing on exposed older rock	s	On
	•	V
	General awareness and RTI	
Section type : Online	Number of Questions to be attempted:10   Mandatory or Optional: Mandatory	- 1

Sub-Section: 1	

#### Question id: 5895 Question Type: MCQ

Which among the following is not included in the 'Terms of Reference' of National Knowledge Commission?

### **Options:**

- To promote Knowledge applications in Agriculture and industry
- To promote the use of knowledge capabilities in making government an effective, Transparent and accountable service provide to the citizen
- To promote creation of Knowledge in Science and Technology laboratories
  - To promote use of ICT in Knowledge dissemination without further accentuating the digital divide

### Question id: 5896 Question Type: MCQ

According to Mahabharata, which sage was the father of Veda Vyasa?

### **Options:**

- Pulastya
- Parashar
- Bharadwaja
- Kashyapa

#### Question id: 5897 Question Type: MCQ

VISHAKA Guidelines and norms laid down by the Hon'ble Supreme court of India in 1997 pertain to which evil at working places?

#### **Options:**

- Unhygenic condition
- Sexual harassment against women
- Hostile behavior towards SC/ST/OBC

# Question id: 5898 Question Type: MCQ

Student Bounty.com Flatiron Building in Manhattan. New York was decorated on 5th December, 2013 in the memory of which famous Mathematician?

- Srinivasa Ramanujam
- Pythagoras
- Pierre de Fermat
- Leonhard Euler

### Question id: 5899 Question Type: MCQ

.The First World war started on 28th July, 1914.It got referred to as the "First World War" for the first time in September, 1914 by

#### **Options:**

- Ernst Haeckel
- Emperor Franz Josef
- King George V
- Kaiser Wilhem II

### Question id: 5900 Question Type: MCQ

Which of the following Indian musician have the rarest of rare honor of performing at the Red Fort in Delhi on the evening of the Independence Day of India in 1947 and Republic Day on 26 January in 1950 from the Red Fort?

#### **Options:**

- Bismillah Khan
- Bade Ghulam Ali Khan
- Lata Mangeshkar

# 4 M.S.Subbalakshmi

# Question id: 5901 Question Type: MCQ

On how many occasions India has reached Davis cup final?

#### **Options:**

- Never
- Once
- Twice
- Thrice

Options :	S
W. B. Yeats	Tilde 1
Sturge Moore	CATE !
Bertrand Russell	CHIL
George Bernard Shaw	7.00
Question id : 5903 Question Type : MCQ	Student Bounts, com
The RTI Act,2005 covers whole of India except	
Options : Jammu & Kashmir	
Andaman & Nicobar island	
Arunachal Pradesh	
Sikkim	
Question id : 5904 Question Type : MCQ	
If the information under RTI Act,2005 has been sought through a flopp information seeker has to pay per such item	y/CD,then the
Options :	
Rs.30/-	
Rs.40/-	
3. Rs.50/-	
Rs.60/-	