

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	1	<p>The solubility of metals in hydrothermal fluid increases with complexation with ligands. Arrange the following common ligands in decreasing orders of Pearson's hardness.</p> <p>A1 : Cl^-, HS^-, SO_4^{2-}, OH^-</p> <p>A2 : OH^-, SO_4^{2-}, Cl^-, HS^-</p> <p>A3 : Cl^-, SO_4^{2-}, HS^-, OH^-</p> <p>A4 : HS^-, Cl^-, SO_4^{2-}, OH^-</p>	4.0	1.00
Objective Question				
2	2	<p>Cu in acidic hydrothermal water is likely to form the most stable complex with flowing ligand</p> <p>A1 : Cl^-</p> <p>A2 : OH^-</p> <p>A3 : SO_4^{2-}</p> <p>A4 : HS^-</p>	4.0	1.00
Objective Question				
3	3	<p>The diamonds are generally carried to surface of the Earth by kimberlite pipes, these were originally generated in the following part of the Earth</p> <p>A1 : Lower crust</p> <p>A2 : Upper Mantle</p> <p>A3 : Transition zone between Lower and Upper mantle</p> <p>A4 : Lower mantle</p>	4.0	1.00
Objective Question				
4	4	<p>Which of the following lanthanide element occur as both trivalent and tetravalent state in oxidised condition?</p> <p>A1 La</p>	4.0	1.00

		<p>:</p> <p>A2 Ce :</p> <p>A3 Eu :</p> <p>A4 Yb :</p>		
Objective Question				
5	5	<p>Which of the following mineral deposit forms principally because of sulphide liquid immiscibility?</p> <p>A1 Porphyry type Cu-Mo :</p> <p>A2 Skarn type W :</p> <p>A3 Komatiite hosted Ni-Cu deposits :</p> <p>A4 Orogenic load Au :</p>	4.0	1.00
Objective Question				
6	6	<p>Which of the following metal show highest sulphide-silicate partition coefficient?</p> <p>A1 Ni :</p> <p>A2 Cu :</p> <p>A3 Co :</p> <p>A4 Pt :</p>	4.0	1.00
Objective Question				
7	7	<p>Hydrothermal fluid in Porphyry-type copper deposits is dominantly derived from</p> <p>A1 Meteoric water :</p> <p>A2 Seawater :</p> <p>A3 Magmatic water :</p> <p>A4 Metamorphic water :</p>	4.0	1.00
Objective Question				
8	8		4.0	1.00

		<p>A reservoir gets 60% contribution from river water ($\delta^{18}\text{O} = -10\text{‰}$) and 40% contribution from glacial melt water ($\delta^{18}\text{O} = -30\text{‰}$). What will be the $\delta^{18}\text{O}$ of the reservoir?</p> <p>A1 : -18‰</p> <p>A2 : -20‰</p> <p>A3 : -22‰</p> <p>A4 : -16‰</p>		
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Objective Question

9	9	<p>Marine organic carbon generally show following $\delta^{13}\text{C}$ values</p> <p>A1 : -15 ‰</p> <p>A2 : -7 ‰</p> <p>A3 : -25 ‰</p> <p>A4 : -60 ‰</p>	4.0	1.00
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Objective Question

10	10	<p>In Skarn type deposits main metal sulphide deposition takes place during following stage</p> <p>A1 : Prograde – isochemical contact metamorphism</p> <p>A2 : Prograde – metasomatism and replacement</p> <p>A3 : Retrograde – meteoric fluid influx</p> <p>A4 : Equally in all the three stages</p>	4.0	1.00
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Objective Question

11	11	<p>Symmetry operations that generate space groups are</p> <p>A1 : Screw axis and glide planes.</p> <p>A2 : Rotation axis and a mirror plane perpendicular to it.</p> <p>A3 : Rotation axis and centre of symmetry.</p> <p>A4 : Rotation axis, centre of symmetry and mirror plane.</p>	4.0	1.00
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Objective Question				
12	12	<p>Point group '23' belongs to which crystal system?</p> <p>A1 : Orthorhombic</p> <p>A2 : Trigonal</p> <p>A3 : Monoclinic</p> <p>A4 : Isometric</p>	4.0	1.00
Objective Question				
13	13	<p>Isostructural crystals have</p> <p>A1 : Same chemical formula and identical unit cell dimensions.</p> <p>A2 : Different chemical formula but identical unit cell dimensions.</p> <p>A3 : Different chemical formula and varying unit cell dimensions.</p> <p>A4 : Same chemical formula but varying unit cell dimensions.</p>	4.0	1.00
Objective Question				
14	14	<p>Displacive polymorphic transformation occurs between:</p> <p>A1 : Tridymite and cristoblite</p> <p>A2 : α-quartz and β-quartz</p> <p>A3 : Kyanite and andalusite</p> <p>A4 : Andalusite and sillimanite</p>	4.0	1.00
Objective Question				
15	15	<p>Which of the following crystals physical properties like hardness, thermal conductivity, electrical resistance etc., do not vary with crystallographic directions?</p> <p>1) Quartz, 2) Garnet, 3) kyanite, 4) halite, 5) Magnetite, 6) Calcite.</p> <p>A1 : All minerals (1 to 6)</p>	4.0	1.00

		<p>A2 : 2, 4 and 5</p> <p>A3 : 1, 3 and 6</p> <p>A4 : 1, 3, 4 and 6</p>		
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Objective Question

16	16	<p>Substitution of trace element for major element in a crystal structure is considered as</p> <p>A1 : Line defect</p> <p>A2 : Plane defect</p> <p>A3 : Point defect</p> <p>A4 : Edge defect</p>	4.0	1.00
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Objective Question

17	17	<p>Powder X-ray diffraction method is most useful for determination of</p> <p>A1 : Trace element abundance in minerals</p> <p>A2 : Point defects in minerals</p> <p>A3 : Space group of crystals</p> <p>A4 : d-spacing between lattice planes</p>	4.0	1.00
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Objective Question

18	18	<p>Systematic absence of peaks in powder X-ray diffraction pattern of a mineral belonging to isometric system indicates that it has</p> <p>A1 : Face centered or body centered lattice</p> <p>A2 : Primitive lattice</p> <p>A3 : Deformed lattice</p> <p>A4 : Twinned lattice</p>	4.0	1.00
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Objective Question

19	19	<p>Consider the elements</p> <p>1) Sr,</p> <p>2) Zr,</p>	4.0	1.00
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		<p>3) Ba, 4) Th, 5) Nb and 6) Ag. Which of the following lists only high-field strength elements?</p> <p>A1 : 1, 3 and 5</p> <p>A2 : 2, 4 and 5</p> <p>A3 : 3, 4 and 6</p> <p>A4 : 1, 2, 3 and 6</p>		
Objective Question				
20	20	<p>Which class of meteorites closely represents the chemical composition of undifferentiated Earth?</p> <p>A1 : Achondrites</p> <p>A2 : Iron meteorites</p> <p>A3 : Chondrites</p> <p>A4 : Stony-iron meteorites</p>	4.0	1.00
Objective Question				
21	21	<p>Secondary foliation that develops at highest metamorphic grade is known as</p> <p>A1 : Cleavage</p> <p>A2 : Gneissosity</p> <p>A3 : Schistosity</p> <p>A4 : mylonite.</p>	4.0	1.00
Objective Question				
22	22	<p>In S-C structure, the maximum angle between S and C will never exceed</p> <p>A1 : 45°</p> <p>A2 : 35°</p> <p>A3 : 55°</p>	4.0	1.00

		A4 : 25°		
Objective Question				
23	23	<p>If the angle between two initially orthogonal lines becomes 60° after simple shear deformation, then the magnitude of shear strain will be</p> <p>A1 : 0.35</p> <p>A2 : 0.58</p> <p>A3 : 0.81</p> <p>A4 : 0.45</p>	4.0	1.00
Objective Question				
24	24	<p>If the net slip of a fault is parallel to the trace of the bedding on the fault plane then</p> <p>A1 : Strike separation is zero</p> <p>A2 : Dip separation is zero</p> <p>A3 : Both strike and dip separations are zero</p> <p>A4 : Strike separation is equal to net slip</p>	4.0	1.00
Objective Question				
25	25	<p>Flower structure is developed in zone of</p> <p>A1 : Transpression</p> <p>A2 : Transtension</p> <p>A3 : Compression</p> <p>A4 : Extension</p>	4.0	1.00
Objective Question				
26	26	<p>hol-type joints are example of</p> <p>A1 : Extension fracture joint</p> <p>A2 : Shear fracture joint</p>	4.0	1.00

		<p>A3 Hybrid fracture joint :</p> <p>A4 Post-tectonic joint. :</p>		
Objective Question				
27	27	<p>Fold with straight limb and sharp hinge is known as</p> <p>A1 Cuspate fold :</p> <p>A2 Chevron fold :</p> <p>A3 Conical fold :</p> <p>A4 Coaxial fold. :</p>	4.0	1.00
Objective Question				
28	28	<p>Symplectite texture is a kind of</p> <p>A1 Relict texture :</p> <p>A2 Reaction texture :</p> <p>A3 Replacement texture :</p> <p>A4 Exsolution texture :</p>	4.0	1.00
Objective Question				
29	29	<p>In case of discontinuous reaction, the degree of freedom (F) is</p> <p>A1 1 :</p> <p>A2 0 :</p> <p>A3 2 :</p> <p>A4 3 :</p>	4.0	1.00
Objective Question				
30	30	<p>Exchange reactions are</p> <p>A1 Not good geothermometer and geobarometer :</p>	4.0	1.00

		<p>A2 Very good geothermometer and geobarometer :</p> <p>A3 Very good geobarometer :</p> <p>A4 Very good geothermometer. :</p>		
Objective Question				
31	31	<p>Sharing of _____ between two anion polyhedral in an ionic crystal is the least preferred.</p> <p>A1 Corners :</p> <p>A2 Edges :</p> <p>A3 Faces :</p> <p>A4 linnes :</p>	4.0	1.00
Objective Question				
32	32	<p>A crystal of CdI corresponds to $A^0X_2^h$ structure. What percentage of octahedral coordination sites in this crystal are occupied?</p> <p>A1 25% :</p> <p>A2 50% :</p> <p>A3 75% :</p> <p>A4 100% :</p>	4.0	1.00
Objective Question				
33	33	<p>If two mirror planes intersect with each other at 45°, then the point group would be</p> <p>A1 2mm :</p> <p>A2 3mm :</p> <p>A3 4mm :</p> <p>A4 6mm :</p>	4.0	1.00
Objective Question				
34	34	<p>In which of the crystallographic system/s the (100) plane need not be perpendicular to the <i>a</i>-axis.</p>	4.0	1.00

		<p>A1 : Cubic</p> <p>A2 : Orthorhombic</p> <p>A3 : Tetragonal</p> <p>A4 : Triclinic</p>		
Objective Question				
35	35	<p>Which of the following is a pair of enantiomorphic screw axes</p> <p>A1 : $6_1, 6_5$</p> <p>A2 : $6_2, 6_3$</p> <p>A3 : $6_3, 6_4$</p> <p>A4 : $6_2, 6_5$</p>	4.0	1.00
Objective Question				
36	36	<p>Which of the following statements is TRUE?</p> <p>A1 : The whole mantle is partially molten</p> <p>A2 : The mantle deeper than 600 km never behaves elastically</p> <p>A3 : The mantle on short time scales, such as during the propagation of seismic waves, behaves elastically, but on long time scales behaves plastically</p> <p>A4 : Magma in mantle gives rise to the global convective cells.</p>	4.0	1.00
Objective Question				
37	37	<p>Which of the following forces are the major driving force for the movement of the plates?</p> <p>A1 : Mantle drag</p> <p>A2 : Slab pull</p> <p>A3 : Mantle plume</p> <p>A4 : Upwelling of the magma at mid-oceanic ridges</p>	4.0	1.00
Objective Question				

38	38	<p>The oldest sample on the Earth is some grains of mineral zircon. This is because</p> <p>A1 : Zircon is the first mineral to form from the magma ocean</p> <p>A2 : Zircon could survive the rock-recycling and reworking</p> <p>A3 : There was nothing formed prior to the crystallization of the zircon</p> <p>A4 : zircon was buried deep during the early period of the Earth and surfaced now.</p>	4.0	1.00
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Objective Question

39	39	<p>Which of the following rocks can be formed from a sedimentary rock?</p> <p>A1 : Garnet-muscovite schist</p> <p>A2 : Basalt</p> <p>A3 : Peridotite</p> <p>A4 : Serpentinite</p>	4.0	1.00
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Objective Question

40	40	<p>Which of the following pairs of the rocks has one sedimentary and one igneous rock, respectively, having a similar chemical and mineralogical composition?</p> <p>A1 : limestone, marble</p> <p>A2 : dolomite, marble</p> <p>A3 : limestone, carbonatite</p> <p>A4 : shale, granite</p>	4.0	1.00
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Objective Question

41	41	<p>The geoid can be best defined as</p> <p>A1 : An oblate spheroid that best approximates shape of the earth</p> <p>A2 : A surface over which the value of gravity is constant</p> <p>A3 : The physical surface of the earth</p> <p>A4 : An equipotential surface of gravity of the earth</p>	4.0	1.00
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Objective Question				
42	42	<p>Which one of the following is an image rectification technique?</p> <p>A1 : Histogram equalization</p> <p>A2 : Density slicing</p> <p>A3 : Histogram normalization</p> <p>A4 : Rubber sheeting</p>	4.0	1.00
Objective Question				
43	43	<p>The colour composite image in which vegetation appears red is called</p> <p>A1 : Psuedo colour composite</p> <p>A2 : Standard False Colour Composite</p> <p>A3 : Natural Colour composite</p> <p>A4 : True colour composite</p>	4.0	1.00
Objective Question				
44	44	<p>In a remotely sensed data of a planet, the presence of hydrous species can be inferred using _____ region of the electromagnetic spectrum?</p> <p>A1 : Radio wave</p> <p>A2 : Gamma</p> <p>A3 : Infrared</p> <p>A4 : Visible</p>	4.0	1.00
Objective Question				
45	45	<p>Mantle xenoliths are observed in</p> <p>A1 : Kimberlite</p> <p>A2 : Granite</p> <p>A3 : Pegmatite</p>	4.0	1.00

		A4 : Granulite		
Objective Question				
46	46	<p>Among the following, which filter will remove the sun-glnt effect from remotely sensed data?</p> <p>A1 : Band-pass filtering</p> <p>A2 : Low-pass filtering</p> <p>A3 : High-pass filtering</p> <p>A4 : Polarising filters</p>	4.0	1.00
Objective Question				
47	47	<p>Aerial photograph which is corrected for all kind of errors, including distortion due to terrain elevation is</p> <p>A1 : Vertical aerial photograph</p> <p>A2 : Tilted photograph</p> <p>A3 : Ortho Photo</p> <p>A4 : rectified photo</p>	4.0	1.00
Objective Question				
48	48	<p>Which instrument can help in determining the height of the object from a stereo pair images?</p> <p>A1 : Pocket stereoscope</p> <p>A2 : Parallax bar</p> <p>A3 : mirror stereoscope</p> <p>A4 : telescope</p>	4.0	1.00
Objective Question				
49	49	<p>An object appears yellow colour in standard FCC. Which of the can following statement is correct?</p> <p>A1 : The object reflects equally high in blue and green bands; low reflection in red band</p> <p>A2 : The object reflects equally high in IR and red bands; low reflection in green band</p>	4.0	1.00

		<p>A3 The object reflects equally high in red and green bands; low reflection in blue band :</p> <p>A4 The object reflects equally high in red and green bands; low reflection in IR band :</p>		
Objective Question				
50	50	<p>Which wavelength region can be used to remote sensing of the earth during a thunder storm?</p> <p>A1 Visible :</p> <p>A2 IR :</p> <p>A3 TIR :</p> <p>A4 Microwave :</p>	4.0	1.00
Objective Question				
51	51	<p>Which of the following is the oldest magmatic epoch?</p> <p>A1 Brunhes normal :</p> <p>A2 Matayama reversed :</p> <p>A3 Gauss normal :</p> <p>A4 Gilbert reversed :</p>	4.0	1.00
Objective Question				
52	52	<p>The Mediterranean, Black, Caspian and Aral Seas - all are remnants of</p> <p>A1 Avalonia :</p> <p>A2 Gondwana :</p> <p>A3 Tethys :</p> <p>A4 Laurasia :</p>	4.0	1.00
Objective Question				
53	53	<p>Which of the following system was established later than the others in the group?</p> <p>A1 Cambrian :</p> <p>A2 Ordovician</p>	4.0	1.00

		: A3 Silurian : A4 Devonian :		
Objective Question				
54	54	Choose the set which belong to the same age A1 Panchet-Pachmarhi-Kamthi-Bijori : A2 Suprapanchet - Dubrajpur -Parsora-Dharmaram : A3 Jabalpur-Chikiala-Parsora-Dubrajpur : A4 Barakar-Motur-Bijori-Kamthi :	4.0	1.00
Objective Question				
55	55	Marine Cretaceous rocks of Narmada Valley is grouped as _____ Formation. A1 Bagh : A2 Lameta : A3 Chikkim : A4 Giumal :	4.0	1.00
Objective Question				
56	56	Ages Lutetian, Ypresian and Barterian belongs to A1 Cambrian : A2 Eocene : A3 Triassic : A4 Proterozoic :	4.0	1.00
Objective Question				
57	57	In Kumaon region, the youngest Paleozoic formation is described as _____ Formation. A1 Garbyang :	4.0	1.00

		<p>A2 Zewan :</p> <p>A3 Kali :</p> <p>A4 Kringkrong :</p>		
Objective Question				
58	58	<p>Different formations (flows) of Deccan Traps are separated by</p> <p>A1 Giant Plagioclase basalt :</p> <p>A2 Slices of Ophiolite :</p> <p>A3 Compound flow :</p> <p>A4 Simple flow :</p>	4.0	1.00
Objective Question				
59	59	<p>‘Law of faunal succession’ was proposed by</p> <p>A1 William Smith :</p> <p>A2 James Hutton :</p> <p>A3 A. d’Orbingy :</p> <p>A4 Carl von Linnaeus :</p>	4.0	1.00
Objective Question				
60	60	<p>Which of the following is the correct sequence of Indian Geological Time Scale</p> <p>A1 Archaeana – Purana – Aryan – Dravidian Groups :</p> <p>A2 Archaeana – Purana – Dravidian – Aryan Groups :</p> <p>A3 Archaeana – Aryan – Purana – Dravidian Groups :</p> <p>A4 Archaeana – Dravidian – Aryan – Purana Groups :</p>	4.0	1.00
Objective Question				
61	61	Influent streams are	4.0	1.00

		<p>A1 More common in arid regions :</p> <p>A2 More common in humid regions :</p> <p>A3 Only found in areas of permafrost :</p> <p>A4 Sink hole :</p>		
Objective Question				
62	62	<p>The log used to measure the diameter of the bore hole is known as:</p> <p>A1 Dip meter log :</p> <p>A2 Sonic log :</p> <p>A3 Temperature log :</p> <p>A4 Caliper log :</p>	4.0	1.00
Objective Question				
63	63	<p>The volume of water than an aquifer releases or takes into storage per unit surface area of aquifer per unit change in the component of head normal to that surface is</p> <p>A1 Storage coefficient :</p> <p>A2 Transmissivity :</p> <p>A3 Specific yield :</p> <p>A4 Specific capacity :</p>	4.0	1.00
Objective Question				
64	64	<p>Which of the following zone lies just below the groundwater table</p> <p>A1 Leaching zone :</p> <p>A2 Oxidation zone :</p> <p>A3 Supergene enrichment zone :</p> <p>A4 Hypogene zone :</p>	4.0	1.00

Objective Question				
65	65	<p>A land is known as waterlogged</p> <p>A1 : When the permanent wilting point is reached</p> <p>A2 : When gravity drainage has ceased</p> <p>A3 : Capillary fringe reaches the root zone of plants</p> <p>A4 : When runoff increases</p>	4.0	1.00
Objective Question				
66	66	<p>Which zone of the ocean extends from the low tide line to the edge of the continental shelf?</p> <p>A1 : Neritic zone</p> <p>A2 : Open ocean zone</p> <p>A3 : Intertidal zone</p> <p>A4 : Abyssal zone</p>	4.0	1.00
Objective Question				
67	67	<p>The change in the groundwater head per unit distance is</p> <p>A1 : The hydraulic gradient.</p> <p>A2 : The equipotential gradient.</p> <p>A3 : The flow gradient.</p> <p>A4 : The Hydraulic head.</p>	4.0	1.00
Objective Question				
68	68	<p>Which of the following rocks has the highest permeability?</p> <p>A1 : Un-fractured shale</p> <p>A2 : Cemented sandstone</p> <p>A3 : Un-cemented sandstone</p> <p>A4 : Variegated Clay</p>	4.0	1.00

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Objective Question				
69	69	<p>The measure of the amount of water that can be transmitted horizontally through a unit width by the full saturated thickness of the aquifer under a hydraulic gradient of 1 is known as</p> <p>A1 : Transmissivity</p> <p>A2 : Storativity</p> <p>A3 : Permeability</p> <p>A4 : Porosity</p>	4.0	1.00
Objective Question				
70	70	<p>The acronym "NAPL" used to describe the organic liquids like hydrocarbon fuels/solvents spilled into the water is</p> <p>A1 : Non aqueous phase liquid</p> <p>A2 : Non aromatic phase liquid</p> <p>A3 : Sodium phase liquid</p> <p>A4 : Non aqueous planar liquid.</p>	4.0	1.00
Objective Question				
71	71	<p>One of the following types of ore deposits is formed on the sea floor.</p> <p>A1 : sedimentary exhalative</p> <p>A2 : carbonate-hosted Pb-Zn</p> <p>A3 : sandstone type U</p> <p>A4 : unconformity type U</p>	4.0	1.00
Objective Question				
72	72	<p>What is common to Nausahi ultramafic complex and Sittampundi anorthosite complex?</p> <p>A1 : Nickel sulphide & PGE</p> <p>A2 : Chromite & PGE</p> <p>A3 : Chromite & Nickel sulphide</p>	4.0	1.00

		: A4 Nickel sulphide :		
Objective Question				
73	73	Choose the odd pair of primary and secondary copper minerals. A1 Chalcopyrite - chalcocite : A2 Chalcopyrite – covellite : A3 Chalcopyrite – cubanite : A4 Chalcopyrite – malachite :	4.0	1.00
Objective Question				
74	74	Homogenisation temperature of primary fluid inclusions in a mineral gives the A1 Lower limit of temperature of crystallization of the mineral : A2 Upper limit of temperature of crystallization of the mineral : A3 Temperature of crystallization of the mineral : A4 Pressure during crystallization of the mineral :	4.0	1.00
Objective Question				
75	75	Identify the wrong pair of host rock and associated ore mineral. A1 Granite pegmatite – psilomelane : A2 Komatiite – pentlandite : A3 Lamproite – diamond : A4 Skarn – scheelite :	4.0	1.00
Objective Question				
76	76	One of the following is the common host for ore deposits of REE. A1 Sedimentary carbonate formation : A2 Carbonatite :	4.0	1.00

		<p>A3 Komatiite :</p> <p>A4 Kimberlite :</p>		
Objective Question				
77	77	<p>In one of the following list, manganese ore minerals are correctly arranged in order of increase in temperature of crystallization.</p> <p>A1 Bixbyite – hausmannite – pyrolusite :</p> <p>A2 Hausmannite – pyrolusite – bixbyite :</p> <p>A3 Pyrolusite – bixbyite – hausmannite :</p> <p>A4 Pyrolusite – hausmannite – bixbyite :</p>	4.0	1.00
Objective Question				
78	78	<p>Evaporite bed is known from one of the following Proterozoic sedimentary basins.</p> <p>A1 Cuddapah :</p> <p>A2 Vindhyan :</p> <p>A3 Marwar :</p> <p>A4 Bhima :</p>	4.0	1.00
Objective Question				
79	79	<p>Carbonate formations of Aravalli Supergroup host large deposits of</p> <p>A1 Cu and Pb-Zn :</p> <p>A2 Pb-Zn :</p> <p>A3 Pb-Zn and phosphorite :</p> <p>A4 phosphorite :</p>	4.0	1.00
Objective Question				
80	80	<p>Boiling, mixing of fluids and fluid-rock interaction are the important processes responsible for</p> <p>A1 Leaching of metal from source rock :</p>	4.0	1.00

		<p>A2 : Transport of metal by a fluid phase</p> <p>A3 : Deposition of ore from a hydrothermal fluid</p> <p>A4 : Dispersion of metal in a rock</p>		
Objective Question				
81	81	<p>A basic assumption in the interpretation of fluid inclusions is that these are</p> <p>A1 : Isochoric</p> <p>A2 : Isobaric</p> <p>A3 : Isothermal</p> <p>A4 : isochemical</p>	4.0	1.00
Objective Question				
82	82	<p>The ore metal of one of the following deposits is derived from silicate magma of intermediate composition, transported by and deposited from magmatic-hydrothermal fluid, and forms very large deposits of low grade ore.</p> <p>A1 : Skarn tungsten</p> <p>A2 : Greisen tungsten</p> <p>A3 : Porphyry copper</p> <p>A4 : Hydrothermal uranium</p>	4.0	1.00
Objective Question				
83	83	<p>Uranium deposit types are correctly arranged in decreasing order of age (that is old to young) in one of the following.</p> <p>A1 : QPC – Unconformity – Sandstone</p> <p>A2 : Unconformity – QPC – Sandstone</p> <p>A3 : Sandstone – Unconformity – QPC</p> <p>A4 : Unconformity – Sandstone – QPC</p>	4.0	1.00
Objective Question				
84	84	The discontinuity which represents the boundary between crust and mantle is termed	4.0	1.00

		<p>A1 Moho :</p> <p>A2 Conrad :</p> <p>A3 Gutenberg :</p> <p>A4 Lehman :</p>		
Objective Question				
85	85	<p>Benioff zone is the name given to</p> <p>A1 Sub ducting plate :</p> <p>A2 Mid ocean ridges :</p> <p>A3 Transform faults :</p> <p>A4 Mountains :</p>	4.0	1.00
Objective Question				
86	86	<p>The transfer of heat by the physical movement of material is called</p> <p>A1 Conduction :</p> <p>A2 Convection :</p> <p>A3 Radiation :</p> <p>A4 Scattering :</p>	4.0	1.00
Objective Question				
87	87	<p>Magnetic material having negative magnetic susceptibility is termed</p> <p>A1 Ferromagnetic :</p> <p>A2 Paramagnetic :</p> <p>A3 Diamagnetic :</p> <p>A4 Super paramagnetic :</p>	4.0	1.00

Objective Question				
88	88	<p>Himalayan mountains have formed primarily as a result of</p> <p>A1 : Compressive deformation between Indian and Asian tectonic plates</p> <p>A2 : Relative uplift of sediments in the Tethys Ocean in an extensional setting</p> <p>A3 : Strike- slip deformation between Indian and Eurasian plates.</p> <p>A4 : Extrusion of volcanic material over a long period of time on the Tethys ocean floor</p>	4.0	1.00
Objective Question				
89	89	<p>The average density of the earth is</p> <p>A1 : 3.5 g/cm³</p> <p>A2 : 4.5 g/cm³</p> <p>A3 : 5.5 g/cm³</p> <p>A4 : 6.5 g/cm³</p>	4.0	1.00
Objective Question				
90	90	<p>The principle of continents being in buoyant equilibrium is known as</p> <p>A1 : Isostasy</p> <p>A2 : The principle of buoyant equilibrium</p> <p>A3 : Elastic rebound theory</p> <p>A4 : None of these</p>	4.0	1.00
Objective Question				
91	91	<p>The value of Gravity becomes zero at</p> <p>A1 : the surface of the earth</p> <p>A2 : the centre of the earth</p> <p>A3 : equator</p> <p>A4 : poles</p>	4.0	1.00

		:		
Objective Question				
92	92	<p>Natural earthquakes are generated due to</p> <p>A1 : Plastic flow of rocks and release of plastic strain energy</p> <p>A2 : Folding of rock layers</p> <p>A3 : Sudden release of elastic strain energy during fracture propagation</p> <p>A4 : Sudden release of viscous strain accumulated in rocks.</p>	4.0	1.00
Objective Question				
93	93	<p>The largest Planet in the solar system is</p> <p>A1 : Earth</p> <p>A2 : Mars</p> <p>A3 : Jupiter</p> <p>A4 : Saturn</p>	4.0	1.00
Objective Question				
94	94	<p>In which of the following sedimentary environments would you expect the sand deposits to be poorly sorted?</p> <p>A1 : Alluvial</p> <p>A2 : Beach</p> <p>A3 : Desert</p> <p>A4 : Glacial</p>	4.0	1.00
Objective Question				
95	95	<p>Which of the following environments is an example of a shoreline/transitional environment?</p> <p>A1 : Alluvial</p> <p>A2 : continental shelf</p> <p>A3 : deltaic</p>	4.0	1.00

		A4 : organic reef		
Objective Question				
96	96	Coarse clastic material can be transported into a deep marine environment by A1 : Rivers A2 : Wind A3 : Turbidity currents A4 : All of these	4.0	1.00
Objective Question				
97	97	Marine sediments deposited in water depths greater than about 12,000 feet usually lack A1 : Carbonate shells A2 : Silica-rich shells A3 : Fine grained material transported by the wind A4 : All of these	4.0	1.00
Objective Question				
98	98	In which of the following environments would you expect to find oscillation ripples? A1 : Alluvial A2 : Beach A3 : Deep-sea A4 : Desert	4.0	1.00
Objective Question				
99	99	Which of the following sedimentary environments is dominated by waves and tidal currents? A1 : Glacial A2 : Alluvial fans	4.0	1.00

		A3 Deltaic :		
		A4 Deep marine :		
Objective Question				
100	100	Climbing ripple cross laminations form during migration of ripples under conditions of	4.0	1.00
		A1 Starved sediment supply in streams :		
		A2 Starved sediment supply at beach :		
		A3 Surplus sediment supply in streams :		
		A4 Surplus sediment supply at beach :		