

કુલ સમય :- ૬૦ મીનીટ

કુલ પ્રશ્નો : ૫૦

વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૩૫

નોંધ : વિદ્યાર્થીએ માત્ર ૩૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૩૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

- Which is the "general form" of cubic system?
a) cube b) Rhombdodecahedron c) Trisoctahedron d) Hexoctahedron
- Back-line method is used to determine the ____?
a) Reflective index (b) Double reflection (c) Birefringence (d) Pleochroism
- The property of change of color on rotating polarizing microscope stage is known as?
a) Pleochroism (b) Twining (c) Zoning (d) None
- Zircon mineral crystalize in which system?
a) Cubic (b) Triclinic (c) Tetragonal (d) Hexagonal
- In gneissose structure light coloured minerals are?
a) Biotite (b) Quartz (c) Feldspar (d) b & c
- Which of the following is NOT a closed Form?
a) Cube (b) Prism (c) Rhombohedron (d) Bipyramid
- Basal pinacoid have how many faces ?
a) 02 (b) 04 (c) 06 (d) 03
- Cassiterite crystallize in which class?
a) Hextetrahedral (b) Ditetragonal bipyramidal (c) Hexoctahedral (d) All
- Boracite mineral crystallize in which system?
a) Cubic (b) Tetragonal (c) Hexagonal (d) Orthorhombic.
- Typical symbol for tetragonal prism of 1st order is:
a) 100 (b) 110 (c) 111 (d) 001
- In which type center of symmetry is absent?
a) Galena (b) pyrite (c) Tetrahedrite (d) Zircon.
- In which type of bedding the grain size varies from coarse at the bottom to fine at the top?
a) Regular bending b) Graded bending c) Slump bending d) Cross bending
- Refractive index is ____
a) $\sin r / \sin i$ (b) $\sin i / \sin r$ (c) $\sin i \times \sin r$ (d) None
- Which is the unit form of galena type?
a) Octahedron (b) Cube (c) Trapezohedron (d) Trisoctahedron
- The reflective index 2.42 is of?
a) Water (b) Crown glass (c) Garnet (d) Diamond
- Trichroism is seen in minerals of which system?
a) Cubic (b) Orthorhombic (c) Monoclinic (d) b & c Both
- Which mineral shows Dichroism?
a) Garnet (b) Tourmaline (c) Fluorite (d) Diamond
- Ripple marks are formed by the action of?
a) Rain (b) Wind (c) water (d) B & C
- The loss of volatile substance from lava cause?
a) A rapid increase in viscosity b) A rapid decrease in viscosity
c) No change in viscosity d) None.
- The forms of the igneous bodies, depends upon?
a) Mode of formation b) Viscosity of magma
c) Nature of the country rocks d) All of the above.
- Stock, bosses and roof pendants are related to ____
a) Dyke (b) sill (c) Batholiths (d) Lopoliths
- Diamond in kimberlite are good example of?
a) Disseminated deposit b) Segregated deposit c) Injected deposit d) Pegmatitic deposit
- The Isotropic substance has ____?
a) A range of reflective index b) A single reflective index
c) A double reflective index d) None.

24. Double reflection phenomena shown by:
a) Isotropic substance only b) Anisotropic substance only c) Both a & b d) None
25. A crystal has different colors in different vibration directions and is said to be?
a) Polarized (b) Dichroic (c) Isotropic (d) None
26. How much diagonal plane of symmetry is present in cubic system?
a) 9 (b) 6 (c) 4 (d) 13
27. What is general symbol of Hexoctahedron?
a) hkl (b) h00 (c) hll (d) hk0
28. Fluorite crystallized is which form?
a) Octahedron (b) Cube (c) Trapezohedron (d) None
29. Because of stress effect on rock which type of structure is produced?
a) Cataclastic (b) schistose (c) granulose (d) gneissose
30. Which structure is formed due to mobility of magma?
a) Joints (b) Pillow structure (c) Vesicular (d) None
31. Oolithe structure is found in _____ type of rocks?
a) volcanic (b) plutonic (c) sedimentary (d) metamorphic
32. Movement of organism on loose surface of soft sedimentary may cause the marking impression of footprints is known as _____?
a) Tracks (b) Trails (c) a & b (d) None
33. In sedimentary sequence the surface separating different beds are knows as?
a) Strata (b) Bedding planes (c) series of bed (d) seam.
34. A sedimentary layer whose thickness is less than one centimeter, is known as?
a) Stratum (b) Lamina (c) verve (d) None
35. Give the ore of aluminum
a) Bauxite (b) Gibbsite (c) a & b (d) Galena
36. In Gujarat bauxite deposit found from?
a) Kutch (b) Surat district (c) Kheda district (d) All of the above
37. Which type of texture found in Marbles?
a) Granoblastic (b) Crystalloblastic (c) cataclastic (d) maculose.
38. _____ are define as the assemblages of dyke-like injections.
a) Cone-sheets (b) Batholith (c) Stock (d) None
39. Amygdaloidal structures are seen I which rock?
a) Synite (b) Granite (c) Basalt (d) None
40. Schist rock have which type of texture?
a) Granoblastic (b) Crystalloblastic (c) Gneissose (d) None
41. Diamond has a hardness of?
a) 05 (b) 10 (c) 11 (d) 09
42. According to the classification of minerals Diamond is _____ mineral.
a) Metallic (b) Non-metallic (c) Fuel (d) All
43. Indices for diploidal form of pyrite type is ?
a) 221 (b) 321 (c) 210 (d) 201
44. Which is 4th no form of tetrahedrite type?
a) Tetrahexahedron (b) Tetrahedron (c) Tristetrahedron (d) Cube
45. MnO₂ is the chemical composition of?
a) Braunite (b) Wad (c) Pyrolusite (d) None
46. In Cubic system centre of symmetry is _____.
a) Present (b) Absent (c) a & b (d) None
47. Combination of Rhombdodecahedron & Trapezohedron form occurred in which mineral?
a) Galena (b) Diamond (c) Analcite (d) Garnet
48. Batholith is which type of igneous intrusion?
a) Concordant (b) Discordant (c) a & b both (d) None
49. From the following which is not concordant type of igneous intrusion?
a) Sill (b) Laccolith (c) Phocolith (d) Dyke
50. Mount Abu is which type of structure?
a) Laccolith (b) Lopolith (c) Batholith (d) Phacolith