

76/2015

(Pages : 3)

Maximum : 200 marks

Time : 1½ hours

PART I

- A. Name the following :
1. Steep slope resulted from differential weathering of rocks
 2. Half life period of Carbon 14
 3. Most violent type of volcanic eruption
 4. Jet of steam and hot gases discharged from volcanic vent
 5. Example for a cyclo silicate mineral
 6. Geometric figure which is used to represent the relationship between refractive index and crystallographic directions
 7. The plane in which the two halves of a twin meet
 8. An example for a rock which exhibits allotriomorphic texture
 9. Reaction rims which are formed by primary magmatic reactions
 10. Saucer shaped concordant igneous body
 11. An arenaceous rock with angular grains
 12. Sedimentary texture with rounded concretions of pea size
 13. Lateral stress induced metamorphism
 14. Pyroxene found in eclogite
 15. Group of metamorphic rocks formed under same physico chemical conditions and is having same set of minerals
 16. Type of metamorphic rocks found associated with contact metamorphic zones
 17. Type of fold in which both the limbs are overturned
 18. Angle of inclination of fault plane measured from the vertical
 19. Precambrian rocks of Spiti region of Himachal Pradesh
 20. Smallest lithostratigraphic unit

[P.T.O.]

B. Choose the correct answer :

21. Age of Muth Quartzite?
- (a) Cambrian (b) Silurian
(c) Pliocene (d) Devonian
22. Cretaceous marine rocks which occur along the Narmada valley
- (a) Trichinopoly formation (b) Warkalli beds
(c) Quilon beds (d) Bagh beds
23. Age of Tertiary period:
- (a) 65 million years (b) 100 million years
(c) 570 million years (d) 10000 years
24. The Metal content of an ore
- (a) Grade (b) Tenor
(c) Ore (d) Gangue
25. Fine grained variety of bituminous coal
- (a) Anthracite (b) Cannel coal
(c) Durain (d) Lignite
26. Richest oil deposits in India
- (a) Bombay High (b) Digboi
(c) KG basin (d) Hutti
27. Zawar belt of Rajasthan is famous for
- (a) Mercury and zinc (b) Nickel and cadmium
(c) Lead and zinc (d) Lead and nickel
28. Most stable ecosystem in the world
- (a) Desert (b) Pond
(c) Aquariums (d) Marine
29. Clean cheap cooking fuel containing methane and carbon dioxide
- (a) LPG (b) Natural gas
(c) Biogas (d) Wood
30. A trilobite with spines
- (a) Calymene (b) Phacops
(c) Olenus (d) Paradoxide

(30 × 4 = 120)

PART II

(Answer the following questions shall be limited to one paragraph)

31. Kayals of Kerala
32. Offlap and onlap
33. Bowen's Reaction Series
34. Tertiaries of Assam
35. Dentition in Pelecypods.
36. Optic Sign in minerals
37. Karst Topography
38. Soil Profile.

(8 × 10 = 80)