

## Question Bank

1. Fill in the blanks with correct answer from the given option
1. Abrasion by --- is more effective in rounding of sand grains.  
A) Water B) Wind C) Wave D) Glacier
2. The polished pebbles due to wind action are known as ----.  
A) Crag B) Ventifacts C) Horn D) Yardang
3. A crescent shaped sand dune is known as ----.  
A) Ridge B) Pedestal C) Barchan D) Ventifact
4. Ox bow lakes result due to action of -----.  
A) River B) Lake C) Waves D) Ice
5. Hamada is formed due to -----  
A) Corrosion B) Abrasion C) Attrition D) Deflation
6. 'V' shaped valleys are formed in ---- stage of river.  
A) Old B) Young C) Mature D) None of these
7. --- arcs form when oceanic crust subducts beneath continental crust.  
A) Continental B) Oceanic C) Volcanic D) None of these
8. According to Wegner there is only --- continent existed.  
A) Laurasia B) Gondwanaland C) Pangea D) None of these
9. In a triple junction the boundaries are a ridge, trench or ----.  
A) Plate B) Transform Fault C) Joint D) None of these
10. Mantle plumes are associated with ---- magmas.  
A) Acidic B) Basaltic C) Intermediate D) None of these
11. Volcanic Arc results from -----of tectonic plate.  
A) Upliftment B) Moving away C) Subduction D) None of these
12. --- types of tectonic plates move away from each other.  
A) Oceanic B) Convergent C) Divergent D) None of these
13. Study of paleomagnetism is useful in determination of --- of rocks.  
A) Age B) Composition C) Corelation D) None of these

14. Convergent, divergent and --- are the types of plate boundaries.  
 A) Ridge      B) Transform      C) Trench      D) None of these
15. A long, narrow, steep sided depression in the ocean bottom is known as---.  
 A) Ridge      B) Boundary      C) Fault      D) Oceanic Trench
16. River capture is the most characteristic feature of -----.  
 A) youth stage      b) mature stage      C) old stage      D) None of these
17. An isolated hill rising abruptly from a lowland erosion surface in desert regions is called as -----.  
 A) Inselberg      B) Desert dome      C) Desert hill      D) None of these
18. A depositional feature of a glacier is ----.  
 A) Tombola      B) Eskers      C) Ventifact      D) Valley
19. In a triple junction the boundaries are a ridge, trench or ----.  
 A) Plate      B) Transform Fault      C) Joint      D) None of these
20. Mantle plumes are associated with ---- magmas.  
 A) Acidic      B) Basaltic      C) Intermediate      D) None of these
21. According to Devis --- is the main process during youthful stage.  
 A) Erosion      B) River Incision      C) Slope Decline      D) None of these
22. Col is formed by an action of ----.  
 A) Glacier      B) Ocean      C) Stream      D) wind
23. Karst topography develops due to the action of -----.  
 A) Waves      B) Glaciers      C) Groundwater      D) Stream
24. A mountain peak that projects above the surface of an ice field is known as ----.  
 A) Varves      B) Eskers      C) Col      D) Nunatak
25. Yardangs are formed by an action of ----.  
 A) Wind      B) Ice      C) Lakes      D) Waves
26. Polar wandering is associated with --- phenomena.  
 A) Continental Drift      B) Sea floor spreading      C) Paleomagnetism  
 D) None of these
27. Fold mountains are formed due to process of -----.  
 A) Erosion      B) Deposition      C) Abrasion      D) Orogeny
28. In fault mountain elevated block is called as---.

- A) Valley B) Horst C) Graben D) Basin
29. --- process is responsible for formation of residual mountain.  
A) Denudation B) Deposition C) Weathering D) Erosion
30. The process of sea floor spreading occurs at ---- .  
A) Trenches B) Floor C) Mid Oceanic Ridge D) None of these
31. Volcanic Arc results from -----of tectonic plate.  
A) Upliftment B) Moving away C) Subduction D) None of these
32. Polar wandering is associated with --- phenomena.  
A) Continental Drift B) Palaeomagnetism C) Sea floor spreading  
D) None of these
33. --- arcs form when oceanic crust subducts beneath continental crust.  
A) Continental B) Oceanic C) Volcanic D) None of these
34. No river can erode its valley beyond -----.  
A) Average Base Level B) Mean Sea Level C) Valley Floor D) None of these
35. In a triple junction the boundaries are a ridge, trench or ----.  
A) Plate B) Transform Fault C) Joint D) None of these
36. Mantle plumes are associated with ---- magmas.  
A) Acidic B) Basaltic C) Intermediate D) None of these
37. Formation of new ocean basin takes place along ----- boundaries.  
A) Divergent B) Transform C) Convergent D) None of these
38. Transform boundaries are ----- in nature.  
A) Destructive B) Conservative C) Constructive D) None of these
39. Meandering streams are characterized by -----.  
A) Fining downward sequence B) Fining upward sequence  
C) Cross bedding. D) None of these
40. An isolated hill rising abruptly from a lowland erosion surface in desert regions is called as -----.  
A) Inselberg B) Desert dome C) Desert hill D) None of these

Attempt any two of the following.

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- 1) Describe Davis' model of geomorphic erosion cycle.
- 2) Explain in detail sea floor spreading.
- 3) Write in detail depositional features formed by river.
- 4) Describe erosional work of sea waves.
- 5) Explain in detail plate tectonics with plate margins.
- 6) Write in detail depositional features formed by wind.
- 7) Describe Penck's model of geomorphic erosion cycle.
- 8) Describe various types of mountains.
- 9) Write in detail erosional features formed by groundwater.
- 10) Describe Kings' model of geomorphic erosion cycle.
- 11) Describe in detail processes of degradation and aggradation.
- 12) Explain in detail continental drift.
- 13) Explain concept of plate tectonics in detail.
- 14) Explain palaeomagnetism and its applications.
- 15) Describe erosional features formed by glaciers.

Write Short notes.

1. Exogenic Processes
2. Island Arc
3. Hot spots
4. Convergent Plate boundaries
5. V shaped valley
6. Eskers
7. Mid-oceanic Ridges
8. Volcanic Arcs
9. Kames
10. Triple Junctions
11. Ox bow lake
12. Ventifact
13. Pedestal rocks
14. Mesa
15. Mantle Plumes
16. Divergent Plate boundaries

17. Tombola
18. Moraines
19. Hamada
20. Sinkhole