

Sedimentary Petrography

- Q1/ Write type of Diagenesis process :.....**Micritization**.....
- Q2/ Write type of non skeletal grain:.....**bioclots**
- Q3/ What is type of groundmass :...**micrite**
- Q4/ What is rock name according to Dunham classification...**packstone**...
- Q5/ Type of ground mass :.....**Micrite**.....
- Q6/ Rock name according to Folk classification :...**biomicrite**.....
- Q7/ Type of diagenesis process:**cementation**.....
- Q8/Type of chemical diagenesis....**stylolites** ...
- Q9/ Type of diagenesis Process:**desolution**.....
- Q10/ Type of diagenesis process.....**mechanical diagenesis ,bending and deformation...**
- Q11/ The rocks name according to : **a-** Danham classification is...**grainstone**.....
- b-** Folk classification
is.....**biosparte**.....
- Q 12/In a modified Danham classification by(Embry and Klovan, 1971)
boundstone is divided to,..... **and**
.....
- Q13/ What is a carbonate grain components ? mention briefly .

Q14/ Type of the grain is : non skeletal grain.....,Ooid.....

Q15/ The rocks name according to Danham classification isMudstone....

Sedimentation

Q16/ Construct a rose diagram for flute cast structures in one station in a field and interpret the results .

Trend readings are : 187, 10, 285, 17, 74, 35, 91, 65, 15, 45, 335

Use a scale 1cm = 10 %

Q17/ Construct a lithological column, representing tow cycles of deposition and separate transgression from regression of sea level .

Q18/ Texture of sediment refers to many aspects of sedimentary rocks like grain size., ...grain morphology ..., and ...grain fabric.....

Q19/ wadells rule for rounding is $R_w = \frac{\sum r}{NR}$

Q20/ Paleocurrent analysis is a technique of using sedimentary structures to determineflow direction.....

Q21/ write five types of vectorial (directional) sedimentary structures asymmetrical ripples , flute cast, cross bedding, Imbrication structures, parallel alignment of elongated fossils, e.g. Belemnite guards, turreted gastropods.

Q22/ Construct a pie diagram representing the following lithologies:-

Limestone 30, Shale 15, Sandstone 18, Siltstone 8.

Q23/ Draw a rose diagram showing a line of movement **Oriented symmetrical ripples**:- 20° 151 71 6

15 1 356 39
Q24/ Write the types of sampling

A-Surface Sampling:

1-Spot sampling:

A-Discrete Sampling.

B-Serial Sampling.

C-Linear Sampling.

D-Mixed Sampling.

Q25/ Cyclic sedimentation are layers of sedimentary rocks that characterized by repetitive patterns of deferent rock types or fancies. It occurs when the depositional environments change repeatedly....