**QUESTION BANK**

1- What are The main cases those prevent application of the Law of Superposition

2-List with drawing only laws of stratigraphy those related to show the age of strata (older and younger)

3-Mention all types of stratigraphic units and related ones

4-Draw sketch shows Lentil and Tongue of the some formations in Kurdistan Region

5-List all ranks of rock\_stratigraphic units

6-Show how can you distinct Soil\_Stratigraphic Units from :

 a.rock\_stratigraphic units , b.pedologic units

7-What is the difference between reworked fossils and leaked fossils

8-List all ranks of the following:

 Time-stratigraphic units , Geologic-time units

9-Define Geologic Climate Units with all ranks of them

10-How can you select section to study?

11-If you have inclined strata with angle of dip = X and angle of slope =Y ,dip and slope are opposed ,write the equation that calculate the true thickness of strata

12-Draw Geologic cross-section and Stratigraphic cross-section then show the differences between them

13-What are the laboratory studies those related to the clastic rocks

14- What are the laboratory studies those related to the carbonate rocks

15-Calculate with drawing the true thickness of inclined strata those have the followings : Slope and dip are opposed;angle of slope = 15 ,angle of dip =45;length of slope =17.321 m; Sin 30=0.5;Sin 45= 0.707; Sin 60= 0.866.

16-List all mechainca well logs those calculate or measure the followings Porosity; Permeability; Litholgy ; Boundary between strata

17-What are the applicatinns of Electric Logs

18-Calculate with drawing the true thickness of inclined strata those have the following: slope and dip are in the same direction ,dip angle = 60;slope angle =15;length of slope =14.568.Sin 30= 0.5; Sin 45=0.707;Sin 60 = 0.866

19- Calculate with drawing the true thickness of inclined strata those have the followings : Slope and dip are opposed; angle of slope = 45 ,angle of dip =60; length of slope =7.92 m; Sin 30=0.5; Sin 45= 0.707; Sin 60= 0.866.

20- Write only equation that measure the true thickness of inclined strata if you know that x=angle of dip and y=angle of slop: x+y<90

21- Write only equation that measure the true thickness of inclined strata if you know that x=angle of dip and y=angle of slop: x>y

22- Write only equation that measure the true thickness of inclined strata if you know that x=angle of dip and y=angle of slop: x+y>90

23-Write only equation that measure the true thickness of inclined strata if you know that x=angle of dip and y=angle of slop: x<y

24-Define Photic Zone then mention the factors affect the depth of it

25-Give with depths (m) the subdivisions of marine water masses

26-Mention the main factors those prevent animals to migrate to another area

27-Classify Continental Shelf with their depths in meter accordin to (Koutsoukos and Hart,1990)

28-Classify Continental Slope with their depths in meters according to (Koutsoukos and Hart,1990)

29-Mention all methods of dispersal of marine organisms

30-What are the most important barriers to dispersal of marine organisms?