

EVENTS FOR PROTOLITH 17 :

1) Quiz :

- It will be organized in 2 rounds, first will be the screening round where all the teams registering for the event will participate.
- In this round, a question paper will be given with objective plus one word type questions. The **4 teams** which answers the maximum questions correctly will advance to the final round
- If there is a tie, the team which completes in least possible time will advance in the next round. Time factor will only be considered if there is a tie between two teams.
- The next round will be a quiz in the dias consisting of 4 rounds. The team which scores the maximum points will emerge as the winners. If there is a tie, we will have a tie breaker question.
- From one college, only one team of **4 students** are allowed to participate.

2) Big Roar-Debate Competition

- The initial round will be an essay writing competition where the interested students would upload the essay and based on the essay, the students who would be debating will be selected (This will be done few days before the main event).
- The second round will be the debate competition where the topic would be given few hours in advance but their side of the motion won't be revealed. Participants will have to prepare both the topics, pick up a chit and based on their selection, participants will have to debate on it.
- The 1st round will be presentation round where the candidates will present their views and 2nd round will be rebuttal round where the contestants can question each other.
- Its an **individual event**.

3) Pirates of Protolith

- This event comprises 2 rounds. In the screening round, there will be two questions on brunton plus a map on structural geology where few questions will be present.
- The teams which gets maximum marks will qualify. If there is a tie, the teams which submits the paper in shortest time will move forward for the next round. Time factor will only be considered if there is a tie between two teams.
- In the second round, a map of the area will be given, the students will be provided with a brunton/clino and they need to find the given location on the map.
- From one college, only one team of **4 students** are allowed to participate.

4) Poster Presentation

- Poster presentation on 2 categories will be organized : Review and Research. The research poster will be based on work/research done by the students during their dissertation phase or any other summer project/internship.
- The review poster will be based on topics studied by the students (eg: Coal bed methane) and they will present in front of the judges.

- After that, there will be series of questions from judges and spectators from which the students will be evaluated.
- Team will comprise of the **students who prepared the poster**.

5) Modellino

- The students will prepare scientific models of various geological phenomenon and they will have to present in front of the judges. After looking at the models, the judges and spectators will ask questions and evaluation will be done accordingly.
- Team will comprise of the **students who prepared the model**.

6) Game of Stones

- It's a game testing mineralogy plus petrology. A question paper with information and properties of minerals will be given; the students have to identify the minerals/rocks based on the given properties.
- The team which answers maximum no of questions correctly wins the contest. If there is a tie, the team which submits in least time wins.
- From one college, only one team of **4 students** are allowed to participate.

7) Encuesta

- The teams will be given magnetometers. They will be asked to carry the instrument in the field, look at the magnetic anomalies and comment on it.
- Questions about the instrument as well as the anomaly will be asked throughout for better judgement.
- Then using surfer they have to plot the contours.
- From one college, only one team of **4 students** are allowed to participate.

8) Geo-Sketch

- There will be 2 rounds: The first round will be a screening round where questions regarding geomorphological plus structural features will be asked. The 5 teams which gives maximum correct answers will advance to the next round. If there is a tie, the team which submits the paper in least time wins.
- In the second round, one student from each team will pick up a chit which has a geomorphological feature mentioned in it. He/She will have to draw that in the board and others will have to identify that feature. The team which identifies the features in least possible time will be declared winners.
- From one college, only one team of **4 students** are allowed to participate.

9) Litho fill

- In section A of the question paper, well log data will be given. The team has to make an interpretation of the logs. Maximum points are awarded to the team making maximum correct interpretation.

- The second section will consist of various log data and the individual teams have to draw a log taking a suitable scale. The teams which gets maximum number of marks based on correct interpretation are declared winners.
- From one college, only one team of **4 students** are allowed to participate.

10) Geoclick

It's a photography competition, the best photographs will be available for display and the top 3 will be awarded.

Individual event.

11) Escape the web

- The students/teams will be given different situations where they should expect certain result but the result/outcome was something different. The teams will have to find the reason for unexpected results.
- Questions will be both from geology plus geophysics, For instance : A Precambrian rock gives an age of only 500 my after dating through K-Ar systematics. The story has to be framed and the teams will have to answer the possible reason.
- From one college, only one team of **4 students** are allowed to participate.

12) Get the Mineral

- The teams will be given chits which will contain info about the minerals and a map of the campus where the flags showing the minerals will be kept.
- The flags of minerals will be kept at various locations and the teams have to go the various destinations after reading the map. But at the locations, flags of other minerals will also be kept.
- The teams will have to bring the correct dummies. The teams which brings the maximum correct dummies in shortest possible time wins.
- From one college, only one team of **4 students** are allowed to participate.

13) Trace to Target

- **PREREQUISITE** for participation: The team members should have taken a course on Exploration Seismic. The number of students in a team should be minimum 2 and maximum 4.
- Each team will be provided with a booklet containing images of time-slices, seismic attributes and vertical sections from a 3-D seismic volume in a producing basin.
- The team must come out with (i) a structural model for the basin, (ii) a depositional model for the sediments, and (iii) a possible **TARGET** for hydrocarbon exploration along with justification. The team must describe their findings in the last page of the booklet and return the booklet to the coordinator of the event.
- The answers will be evaluated by an external judge who may ask questions to the team members to explain their findings.
- Duration for the event: 2 Hrs. Pen-down time: 1:30 Hrs. Q&A Session: 00:30 Hrs

