



CATEGORY 1 : EXPERIMENTAL RESEARCH (Finals, Upper Sec)

Group ID: _____

Assessor's name: _____

Total score = _____ / 100

Title of Project : _____

Remarks:	Score (write score value to be awarded in the spaces provided)		
1. Objectives and Hypothesis (Score X 1 = _____)	Poor (1)	Fair (2-3)	Good (4-5)
<ul style="list-style-type: none"> • Gives a brief introduction to research topic (rationale, background etc.) • Purpose of the experiment is clearly identified and stated. • Hypothesis(es) are testable and achievable. 			
2. Materials and methods (Score X 2 = _____)	Poor (1-4)	Fair (5-7)	Good (8-10)
<ul style="list-style-type: none"> • Materials are clearly and accurately described. • Control if relevant is stated and explained for its relevance. • Independent, dependent and controlled variables are clearly stated. • Steps listed are clear and easy to follow. • Protocol described with appropriate details. • No major flaw in experimental design. • Experiment design shows sufficient depth and rigour. • Shows some creativity in manipulation of the equipment/known procedure. 			
3. Data analysis (Score X 3 = _____)	Poor (1-4)	Fair (5-7)	Good (8-10)
<ul style="list-style-type: none"> • Sufficient and relevant data are collected. • Data is presented in an appropriate format (eg charts, graphs, photos, tables). • Descriptive statistics are used (mean and standard error are indicated) as appropriate. • Statistically relevant tests are used as appropriate. • Valid conclusion is inferred from data. • Takes into account any limitations imposed by method in the protocol. 			
4. Discussion/Conclusion (Score X 2 = _____)	Poor (1-4)	Fair (5-7)	Good (8-10)
<ul style="list-style-type: none"> • Strong and valid inferences from data to support/reject hypothesis. • Insightful in the interpretation of data. • Shows sufficient background reading that is infused through the discussion of results. • Gives a conclusion which summarises all the findings. • Suggests changes and possibilities for further study. • Suggests applications of findings where possible. 			
5. Presentation (Score X 1.5 = _____)	Poor (1-4)	Fair (5-7)	Good (8-10)
<ul style="list-style-type: none"> • Content is well organised. • Speak clearly and confidently in standard English all the time. • Able to hold judges attention and sustain/provoke audience's interest. • All members who are present participate in the oral presentation. 			
6. Response (Score X 1 = _____)	Poor (1-4)	Fair (5-7)	Good (8-10)
<ul style="list-style-type: none"> • Attempts to answer all queries confidently. • Well thought out and elaborated answers. 			

A* ≥ 70 ; A ≥ 60 ; B+ < 60

Only groups scoring at least 70 marks will be considered for Grand Finals.