



## Integration Bee

*Team Event, Y14 Only*

*Points: 15*

30 minutes. 100 integrals. Solve as many as you can!

- **Freshers' only event.**
- 2 participants per team.
- Pool with less than 2 teams will be disqualified.

**Judging Criteria** - The event will consist of 100 integration problems of varying difficulty, each having a weightage of 1 point. **No partial points will be given, the full point is only awarded if the final answer is correct. For indefinite integrals, the final answer will be a function; full points will be awarded if and only if the provided function differentiates to the integrand.** For definite integrals and improper integrals, the final answer will either be a number (real or complex) or infinity (positive or negative); full points will be awarded if and only if an exact answer in terms of known constants (the full list of allowed constants will be given with the question paper; it will include numbers like pi, e and square root of 2). **Numerical answers will not be given any points unless they are exact. (Thus, if the actual answer is e, the answer 2.718 will be given no points, but if the answer is  $\frac{3}{2}$ , full points will be awarded for the answer 0.6.)**

In case of any discrepancy, the decision of Coordinators will be final.

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