



INDIAN ENGINEERING  
OLYMPIAD (IEO)

# Indian Engineering Olympiad

## Sample Questions for Round 1 (IEO - 2019)

**IEO Round 1 test will be an 30 mins online tests where students can attempt the test from their laptop, Tab, Mobile etc. Student can take the online Test from their Home or any nearby cyber cafe.**

### Chemical Engineering

Q1) For power calculation of agitated vessels, Froude number effects is to be considered for

- A) Turbulent flow with baffles
- B) Turbulent flow without baffles
- C) Laminar flow with baffles
- D) Laminar flow without baffles

Q2) In the layout plan for a vacuum distillation unit, operating at 60 mm Hg, supported by a barometric condenser, the appropriate place for the location of vacuum drum for collecting the distillate will be

- A) At ground level
- B) 2 m above ground
- C) 5 m above ground
- D) 10 m above ground

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### General Aptitude

1. When 0.26 is written in the simplest fractional form, the sum of the numerator and the denominator is:  
(A) 73                      (B) 43                      (C) 63                      (D) None of these
2. Two alarm clocks ring their alarms at regular intervals of 40 seconds and 44 seconds respectively. If they first beep together at 1 PM, at what time will they beep again together?  
(A) 3 minutes 20 seconds past 1  
(B) 12 minutes 44 seconds past 1  
(C) 1:07 p.m.  
(D) 7 minutes 20 seconds past 1

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