



Temple of Lost Sieges

All Questions



MATHEMATICS CLUB IITM

Correction Rules

1. Each question has three numeric answers.
2. If part 1 is correct, 2 and 3 incorrect, 3 mark
3. If part 2 is correct, 1 and 3 incorrect, allot 1 mark
4. If part 1,2 is correct and 3 incorrect, allot 4 marks
5. If part 1,2,3 is correct allot 5 marks
6. Anything outside this, case-by-case basis.

Evaluation Rules

1. When a team approaches u, note down the time they came to you in the sheet, evaluate, give their total score to Nihal, and enter question-wise, part-wise score in the sheet.
2. They are allowed to come to us before 11 pm only if they have solved minimum 5 questions. They are allowed to come to us only twice. The second time they come to us, will be considered final submission.
3. You are allowed to tell them what question they went wrong, if any, the first time they come to you. **Do not tell the part of the question.**
4. Do not collect any answer sheets after 11:05 pm.

§1 Round 1

1. *A small size of four but helps carry your fallen friends;
I'm the one that is stubbornly recurrent.
Ways in which 4 pairs of parentheses occur with closure;
A floor of the division and you shall pass.*
Answer: 8888 (or) 8, Ambulance Helpline Number, 14, 634 (or) 1
2. *First-year boys start excursions looking at a timetable.
Spot 4 numbers, take the 3 not devalued by a carpenter.
Golden-ratio following sequence produces a significant squared value.
Simple summation to get you through the first tridigit.*
Answer: 840, Mandak Bus Stand, 144, 984
3. *Ethnic Day Program enjoyers trip on a stone.
Learn about the birth year facilitated by a German excellency.
10 straight cuts make maximum slices in a Pizza.
How many slices are left if I ate one every following birthday.*
Answer: 1991, SAC innaugration plaque 56, 21

4. *Where books meet the slices and shorts*

I write a prime for every glyph and save the last.

Someone saw a number on a taxi or a cab;

Wow so many bars, when I look at the sum in twos!

Answer: 13 <-> 41 (or) 14 <-> 43 , *Cafe Coffee Day* (or) *Café Coffee Day*, 1729, 7

5. *Where the avenues of two capitals meet;*

Your momentum is limited, but in different manners in different ways.

Clock the chance of the sum of a quintet by dividing a dozen;

A product of the chance and a sum of the differents.

Answer: 20&10 (or) 30 (or) 60, *GC/Admin Block/Library*, $\frac{1}{12}$, 2.5 (or) 5

6. *Paths lead, from the gearheads to the waveheads;*

Old students, from a trio of legends;

A drunkard trudges to the other end of a cube;

Sum the legends, and divide by the drunk edges.

Answer: (2014,2015,2016), *ME-PH road*, 10, 604.5

§2 Round 2

Near chess are stars of blue;

Cools at ones less than a bit more, a bit less;

Ten coins tossed, expect tail to follow the tail;

A mere product sets you on your way.

Answer: 56, *NAC2*, 2.25, 126

§3 Final round

The oldest block here has a navigator;

Multi-shaped, count them, they make a square;

L-threes fitted in a four-by-six space;

Their total ways summed with the square.

Answer: 49, *BSB*, 18, 67