



Praj and IISER Pune present

mimamsa 2020

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Prelims: January 18, 2020, 3-5pm

teasers

Melanin content is determined by 3 genes, each with 2 alleles. More high(low) melanin allele means darker(lighter) skin. Parents with intermediate(3 high melanin alleles) colour are crossed. Why can the distribution of children's phenotype approximated to be normal?

Let A, B be 3×3 matrices with integer entries such that the matrices $A + kB$, k is in $\{1, 2, \dots, 2018\}$ are invertible with their inverses also having integer entries. Show that $A + 2019B$ is invertible and its inverse has integer entries.

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Principal
S.S.G.M. College
Kopergaon

Lokamnuth KR : 9845315901
Tanuj Mathur : 8094494683



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Shri Sadguru Gangageer Maharaj Science, Gautam Arts and
Sanjivani Commerce College, Kopergaon, Dist.-Ahmednagar
Department of Mathematics**

**Participated Students in MIMAMSA 2020 Competition Organized
by IISER, Pune**

Sr. No.	Participated Students Name
1	Gaikwad Ashutosh Dnyandev
2	Rohakale Saurav Balasaheb



Jirder
for Head,
Department of Mathematics,
S. S. G. M. College, Kopergaon

[Signature]
Principal
S.S.G.M. College
Kopergaon



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Sanjivani Commerce College, Kopargaon, Dist.-Ahmednagar
Department of Mathematics**

**Participated Students in MIMAMSA 2020 Competition Organized
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Srinivas
for Head,
Department of Mathematics,
S. S. G. M. College, Kopargaon.

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This is to certify that Saurav Balasateb Rohokale
from SSGM College, Kopergaon
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Faculty Coordinator

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This is to certify that ASHUTOSH GAIKWAD
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A national level science challenge for
1st, 2nd and 3rd year undergraduates

Prelims: January 13, 2019

teasers



Alcohol is not a mutagen, but it can kill cells. Tobacco is a carcinogen. The risk of getting oral cancer increases when alcohol is consumed with tobacco as opposed to consuming tobacco alone. Explain.

Do there exist four points in a plane such that distance between any two points is an odd integer?

A person sees a Photoelectric experiment from a frame which is moving away from the light source. The light has energy precisely equal to the work function of the metal plate in the rest frame of the experiment. Will the person see electrons being emitted from the metal plate?

Consider a beaker of water with surfactant molecules in the solution at a concentration just higher than CMC (Critical Micelle Concentration). Will the number of micelles increase or decrease if you somehow slowly increase the cross-section area of the beaker without changing the volume or agitating the solution?



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**Participated Students in MIMAMSA 2019 Competition Organized
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Sr. No.	Participated Students Name
1	More Kiran Arun
2	Ugale Kavita Sanjay
3	Jadhav Yogita Subhash
4	Wakchaure Ashwini Sunil
5	Sabane Ujwala Prakash
6	Kapse Shubham Dagu
7	Nikam Rahul Bhausahab
8	Rajole Padmaja Kiran



Sainik
for Head;
Department of Mathematics,
S. S. G. M. College, Kopergaon.


Principal
S.S.G.M.College
Kopergaon



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This is to certify that Ugate Kavita Sanjay
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This is to certify that Ashwini Sunil Wakchaure
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This is to certify that K. Jee Shubham Daga
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This is to certify that Nikam Rahul Bhaisaheb
from SS GM College, Kopergaon has
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This is to certify that Padmaja Kiran Rajole
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Pune, Mumbai, Chennai, Hyderabad, Tirupati, Kochi, Bangalore,

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Varanasi, Mohali, Guwahati


Prelims: 6th January, 2018

Mains: 17th and 18th March 2018

MS Dhawale: 8237683011

Prasanna Joshi: 9049603838

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Department of Mathematics

**Participated Students in MIMAMSA 2018 Competition
Organized by IISER, Pune**

Sr. No.	Participated Students Name
1	Bhagwat Suresh Sanjay
2	Pawar Darshana Datta
3	Roham Pooja Vijay
4	Teke Maya Shivaji
5	Wabale Mayuri Vijay



Sirder
for 'Heal'
Department of Mathematics,
S. S. G. M. College, Kopargaon


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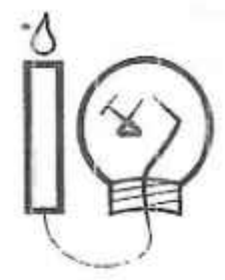
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Principles
for 'Head',
Department of Mathematics,
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MIMAMSA 2018

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Neeraja Dashaputre

Dr. Neeraja Dashaputre
Faculty Coordinator

Principal
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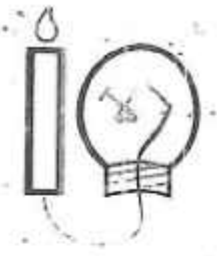
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Neeraja Dashaputre
Dr. Neeraja Dashaputre
Faculty Coordinator

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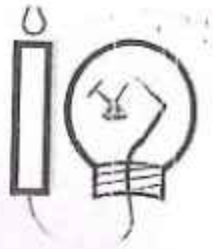
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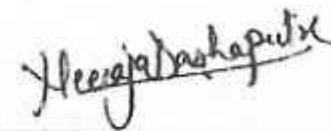
This is to certify that Mayuri Walsale from
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