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An ISO Certified College for ISO 9001 : 2015 & ISO 14001 : 2015

Post – Egra : Dist – Purba Medinipur (West Bengal) : Pin – 721429.

President : Mr. Tarun Kumar Maity, M.L.A., W.B.

Principal : Dr. Dipak Kumar Tamili.

☎ : 03220-244073, Website - www.egrassbcollege.ac.in : E-mail – info@egrassbcollege.ac.in

Title- “Presentation and Discussion on Pure and Applied Sciences”

Organized by

Bengal Academic Society for Interactive Sciences (BASIS)

In Collaboration with

Dept. of Physics, Bhattar College, Dantan, W.B., India &

Dept. of Mathematics, Egra S. S. B. College, Egra, W.B., India

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|---|----------------|--|----------------|--------|-------------|--|--|-----------------------|----|
| 5 | Webinar Series | Presentation and Discussion on Pure and Applied Sciences | National Level | 4 Days | Online Mode | BASIS, in collaboration with Dept. Of Physics, Bhattar College, & with Egra S S B College, Egra, | 6 th , 7 th , 13 th and 14 th February, 2021 | 10:00 am. to 5:00 pm. | 59 |
|---|----------------|--|----------------|--------|-------------|--|--|-----------------------|----|

Resource Persons:

1. Prof. (Dr.) Ethirajan Sukumar, (Ex Dean, Research Health Sciences), Saveetha Institute of Medical & Technical Sciences, Saveetha University, Chennai, India.
2. Prof. (Dr.) Amal Kumar Mondal, Dept. of Botany and Forestry, Vidyasagar University, W.B., India
3. Mr. Sourabh Mahanti, U. U. N. S. N., Unal, W.B.

Website: <https://pdpas2020.blogspot.com/>

Google Excel sheet of Student registration:

<https://docs.google.com/spreadsheets/d/11u-VGNJ9QWY11-kh-N3cakNxON2Dtd2Tnk-OtYjjMSE/edit?usp=sharing>

YouTube link:

Day-1(06/02/2021-Saturday): <https://youtu.be/M4mtYHmKX8Q>

Day-2(07/02/2021-Sunday): <https://youtu.be/bCDXIFssjV4>

Day-3(13/02/2021-Saturday Botany & Geography): https://www.youtube.com/watch?v=TKuoipX7S_I

Day-3(13/02/2021-Saturday Mathematics): https://www.youtube.com/watch?v=-5f_-tZDvt8

Day-4(14/02/2021-Sunday-Link-I): <https://youtu.be/EusmX6kiGxs>

Day-4(14/02/2021-Sunday-Link-II): <https://youtu.be/VTqeRhY5uVM>



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Outcome of the webinar:

BASIS-2021 Webinar series - III on “Presentation and Discussion on Pure and Applied Sciences” was organized by Bengal Academic Society for Interactive Sciences (BASIS) Collaboration with Dept. of Physics, Bhatler College, Dantan, W.B., India & Dept. of Mathematics, Egra S S B College, Egra, W.B., India under the presidency of Dr. Pabitra. K.

Mishra, Principal, Bhatler College, Dantan, W.B., India; Chief Person, Dr. Dipak Kr. Tamili, Principal, Egra S.S.B. College, Egra, W.B., India and Resource person Prof. (Dr.) Ethirajan Sukumar, (Ex Dean, Research Health Sciences), Saveetha Institute of Medical & Technical Sciences, Saveetha University, Chennai, India; invited speaker Prof. (Dr.) Amal Kumar Mondal, Dept. of Botany and Forestry, Vidyasagar University, W.B., India and Mr. Sourabh Mahanti, U.

U. N. S. N., Unal, W.B on 6th, 7th, 13th, and 14th February, 2021 on online platform.

On the very first day of the webinar Dr. Pabitra K. Mishra has expressed his presidential address and Dr. Dipak Kr. Tamili expressed his thought about this webinar lecture series as key note address. Next our resource person Prof. (Dr.) Ethirajan Sukumar delivered inaugural speech with title “TAKING RESEARCH TO THE COMMON MAN”. Next students and research Scholar from different institutions like Dantan Bhatler College, Midnapore College, Panskura college, Jadavpur University and St. Xavier College on the topics of Physics, Statistics and Technology. On 2nd Day students and research scholar was delivered presentation from different institutions like Egra S. S. B. College, Tripura University, IIT Bhilai, Dantan College on the topics of Physics & Technology, Nutrition, Chemistry. On the 3rd Day Prof. (Dr.) Amal Kumar Mondal was delivered his speech on “Basic vs. Applied Research” and students and research scholar from different institution like Dantan Bhatler College, Egra S. S. B. College on the topics of Mathematics, Geography and Botany. On the last day Mr. Sourabh Mahanti delivered a speech on “Analytical learning through practice in field, Soilless farming of vegetables using fish excreta”. Next students and research scholar from different institution like Dantan Bhatler College, Egra S. S. B. College, Midnapore College, Madanapalle Institute of Technology and Science, Chittoor, Andhra Pradesh presented on the topics of Nutrition, Material Science, Physics & Technology.

Significant: Presentation and group discussion is very important aspect towards learning by doing. It is a fruitful method to learn and perceptible any topics. It opens an opportunity for the learner to share his idea to others that makes them knowledgeable on those respective topics very much. It is a practice most commonly accepted by different management institutions for grooming their students. By this way both teachers and students can think the matter of the subject by every corner of issues that may help to open a new idea. It is the context to introduce such a practice in the teaching learning process both as experiment and innovative process. In the practice teachers from different department engage to help the students for selection of the topics. Students from different branches make presentation by collecting information from study materials like books, class note and research articles provided by teachers or from Google search.

They make presentation using Power-point, LaTeX etc. For this purpose students learn power-point, LaTeX by the help of teachers. Topics taken by the students are from Mathematics, Botany, Nutrition, Geography, Physics, and Statistics. This practice is successfully completed with the collaboration of Dantan Bhatler College. Students are participated from different Colleges and Universities including Egra S S B College and Dantan Bhatler College. So this type of program makes a fundamental guide for all of us towards the excellent scientific research work. Therefore this webinar has a significant important for the students and faculty.

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Bengal Academic Society for Interactive Sciences (BASIS)

<https://pdpam.blogspot.com> or <https://pdpas2020.blogspot.com>

Email: pdpam.2015@gmail.com; contact no.: +918250808742

To
Dr. Dipak Kr. Tamili,
Principal, Egra S.S.B. College, Egra, W.B., 721429, India.
Email: tamilidk@gmail.com, & Mb. No.: 9434014248

Sub: Requesting you to permit collaboration with our Webinar Series-1 (PDPAS)

Dear Sir,

We are going to organize a Four-Day National-Level Webinar Series - I on "Presentation and Discussion on Pure and Applied Sciences (PDPAS)", will be held on December 2, 3, 9, and 10, 2023 on the Google Meet platform, organized by BASIS and Dept. of Physics, Bhattar College, Dantan, Paschim Medinipur, West Bengal, India. Invited speakers from reputed Institutes will present deliberations on important subjects for the student participants and science lovers. Students and teachers of different academic institutions will participate and deliver oral presentations in this Programme. This platform is mainly for UG, PG students, and beginner researchers. This webinar series may help build a basic understanding and gain new insights into Science and its applications through lucid but resourceful deliberations on concrete, real-world physical phenomena. BASIS has been growing since its inception, and we are continuously working hard to spread scientific temper and the quest for research among students. We are delighted to request that you join the Programme as a collaborating institution.

Looking forward to your kind response.

Thanking you,
With profound regards,

Dr. Kriti Ranjan Sahu
Secretary, BASIS

Proposal for collaboration

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To
The H.O.D.
Department of Mathematics
Egra S. S. B. College
Egra, Purba Medinipur
W.B., India-721429
Email: math.essbc@gmail.com /

Dear Sir,

It's a pleasure for us to inform you that your proposal is cordially accepted for collaboration of the Department of Mathematics of Egra S. S. B. College in the Second Series of Webinar Project on "*Presentation and Discussion on Pure and Applied Sciences (PDPAS)*" to be held on and from Feb. 6 to Feb. 14, 2021.

BASIS started its journey in 2015 to engage and train young students by organizing different scientific seminars, poster sessions and webinar series. Such seminar/webinar series may be helpful in building basic understanding and also gaining new insights in science and its applications through the lucid but resourceful deliberations on concrete, real-world physical phenomena. BASIS is growing from its inception and we are continuously working hard to shape our organization as full-fledged research center.

You are also requested that please circulate it to your students and encourage and support them to participate in this program through presentation.

You, all faculties are cordially invited to attend the program to motivate the students, scholars/researchers.

We solicit your gracious presence in this occasion.

With warm regards,

Dt: 14.01.2021


Dr. Kriti Banjan Sahu
Founder & Convener

Acceptance of collaboration

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BASIS 2021 Webinar series II PDPAS 1st Day 06 02 2021 Saturday 2021 02 06 at 10 00 DAY-I

The screenshot shows a Zoom meeting in progress. The main window displays a presentation slide with the following text: "BASIS-2021 Webinar series - III on Presentation and Discussion on Pure and Applied Sciences organized by Bengal Academic Society for Interactive Sciences (BASIS) Dept. of Physics, Egra Sarada Shashi Bhusan College, Egra, W.B., India & Dept. of Mathematics, Egra Sarada Shashi Bhusan College, Egra, W.B., India". The right-hand side of the interface shows a list of participants, including Dr. Kirti Ranjan Sahu, Anmol Kumar Mondal, and others. The bottom of the screen shows the Zoom control bar with options like 'Raise Hand', 'Turn on Captions', and 'You are presenting'.

Relation between the group S_3 and A_3 :-

- ▶ S_3 is non commutative group but A_3 is commutative group.
This shows that a non-commutative group have a commutative group.
- ▶ S_3 is a non cyclic group but A_3 is cyclic group.
This an another example of a non-cyclic group have a cyclic subgroup.
- ▶ A_3 forms normal subgroup of the group S_3 .and the quotient group S_3/A_3 forms a cyclic group.

The screenshot shows a presentation slide with a purple header and a white body. The title is "Relation between the group S_3 and A_3 :-". There are three bullet points, each starting with a red triangle. The first bullet point states that S_3 is non-commutative while A_3 is commutative, and notes that a non-commutative group can have a commutative subgroup. The second bullet point states that S_3 is non-cyclic while A_3 is cyclic, and notes that a non-cyclic group can have a cyclic subgroup. The third bullet point states that A_3 is a normal subgroup of S_3 and that the quotient group S_3/A_3 is cyclic. The slide is presented by Sujit Kumar Das.

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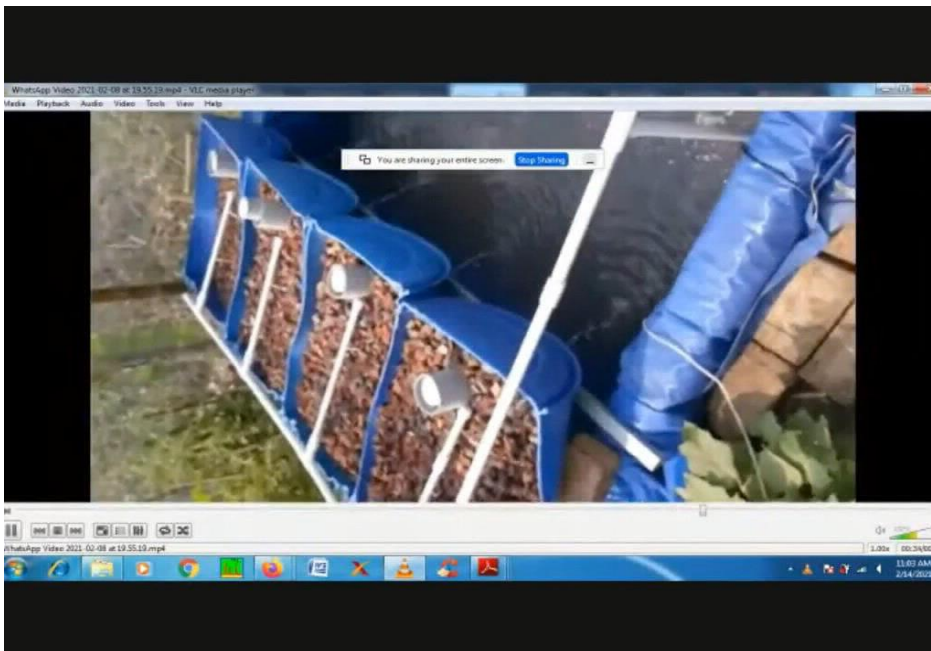
CAUSED OF PCOS

Exact cause unknown contributing factors include :

- . Genetic factors
- . Excess androgen
- . Excess insulin
- . Low grade inflammation
- . Obesity



Mamtaj Khatun



Dr. Kriti Ranjan Sahu

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Mamtaj Khatun