

16.01.2022

Programme Report

**Name of the Programme: Two-Day Problem-Solving Sessions of JAM
Mathematics Previous Years' Question Paper**


Date: 15.01.2022-16.01.2022

Venue: Google Meet

Department of Mathematics, in collaboration with Department of Mathematics, Payyanur College, Payyanur, organized the “**Two-Day Problem-Solving Sessions of JAM Mathematics Previous Years' Question Paper**” as part of FOCUS 2022 (An Exclusive Online Problem-Solving Sessions for Various PG Entrance Examinations in Mathematics) from 15.01.2022 to 16.01.2022 through online mode. FOCUS plans to serves as a crucial preparatory step for aspiring candidates of MSc Mathematics entrance examination. It aims to provide comprehensive guidance and support to students intending to pursue a postgraduate degree in Mathematics.

On 15th January 2022 (Day 1), Kum. Anusha Thomas, Final Year BSc Mathematics Student, engaged the session. The session discussed previous years' problems on the topic groups and subgroups. On 16th January (Day 2), Kum. Haripriya AV, Final Year BSc Mathematics Student, addressed more problems on the same topic. Final Year BSc Mathematics Students of both departments actively attended the session.


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PROBLEM SOLVING SESSION

15/01/2022
IIT-JAM 2018 QUESTION PAPER
(GROUP THEORY)



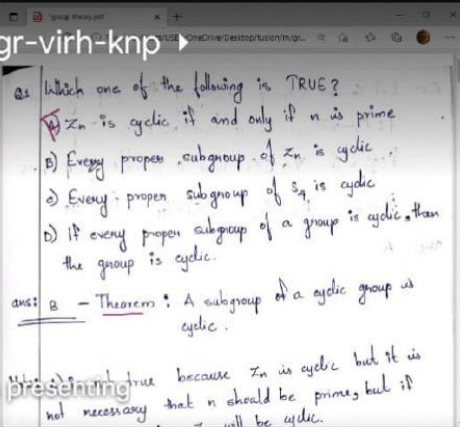
ANUSHA THOMAS
(III BSC MATHEMATICS,
CAS COLLEGE, MADAYI)



 **7.00 PM**

4G 7:07 PM 4G 58

← kgr-virh-knp →



Q1. Which one of the following is TRUE?
A) Z_n is cyclic, if and only if n is prime.
B) Every proper subgroup of Z_n is cyclic.
C) Every proper subgroup of S_n is cyclic.
D) If every proper subgroup of a group is cyclic, then the group is cyclic.

ans: B - Theorem: A subgroup of a cyclic group is cyclic.

Anusha is presenting because Z_n is cyclic but it is not necessary that n should be prime, but if n will be prime...

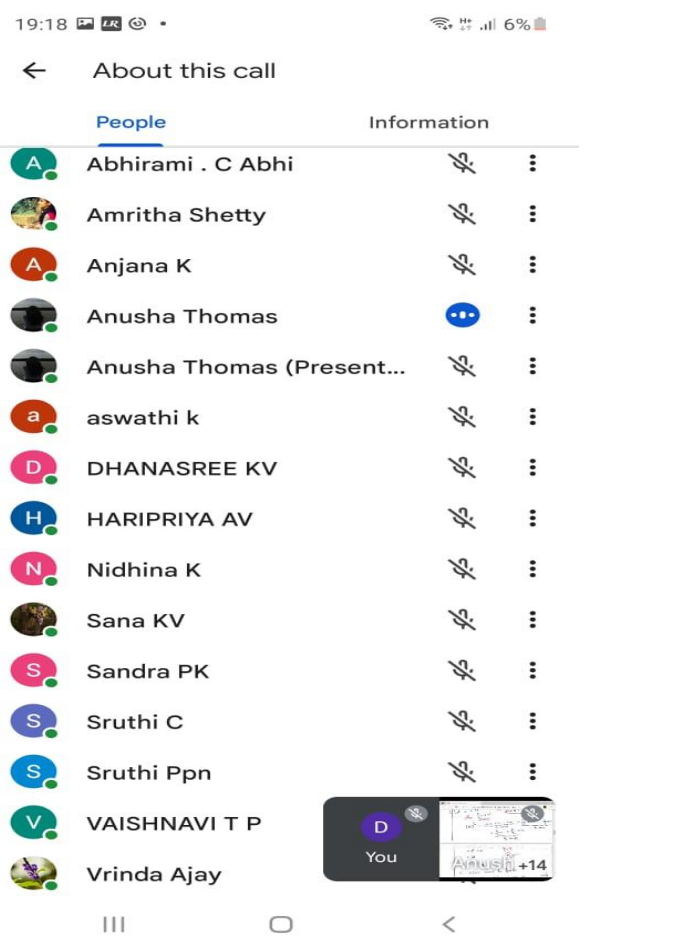
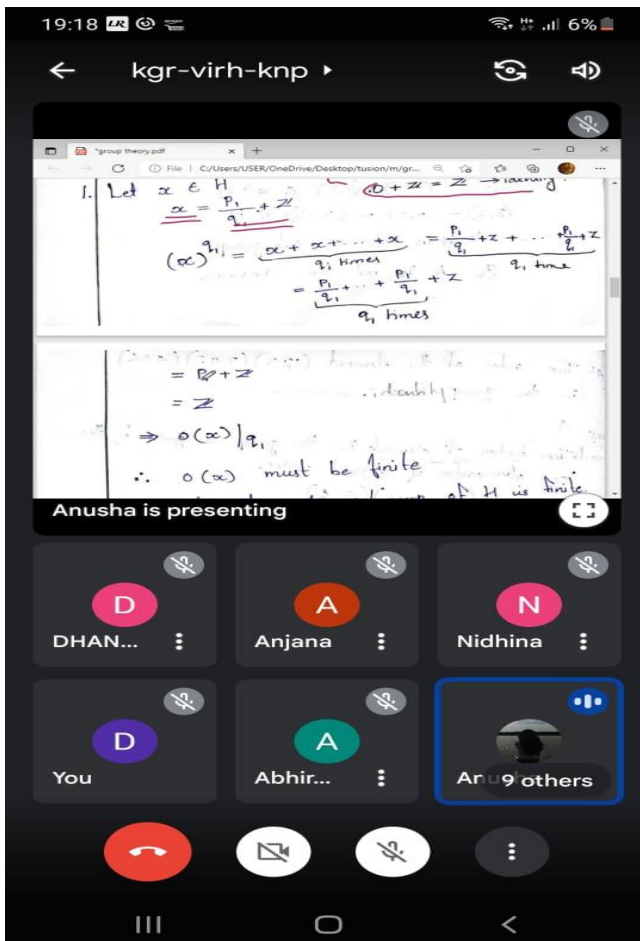
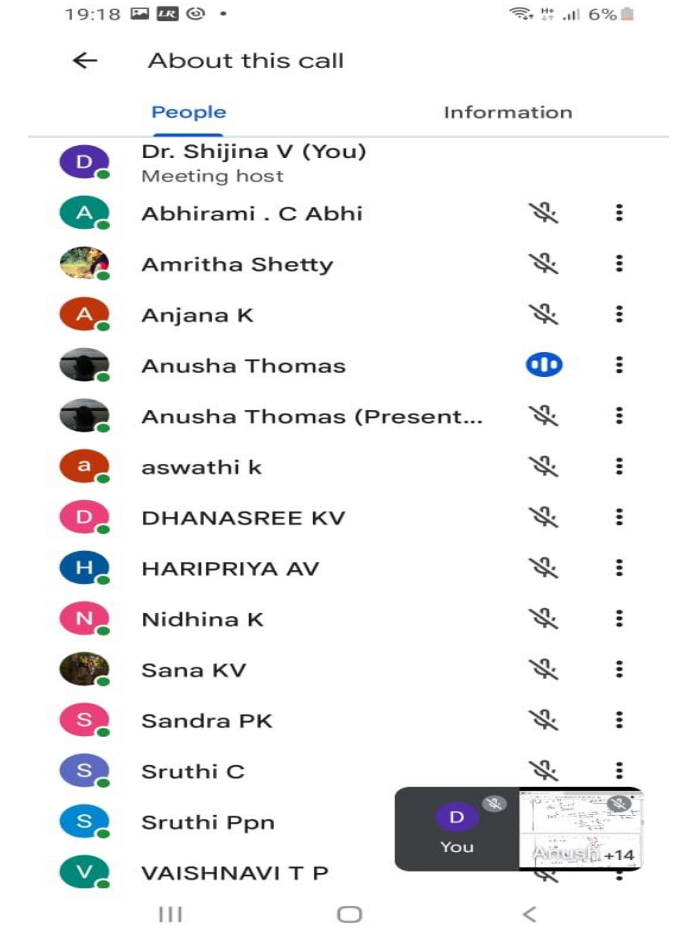
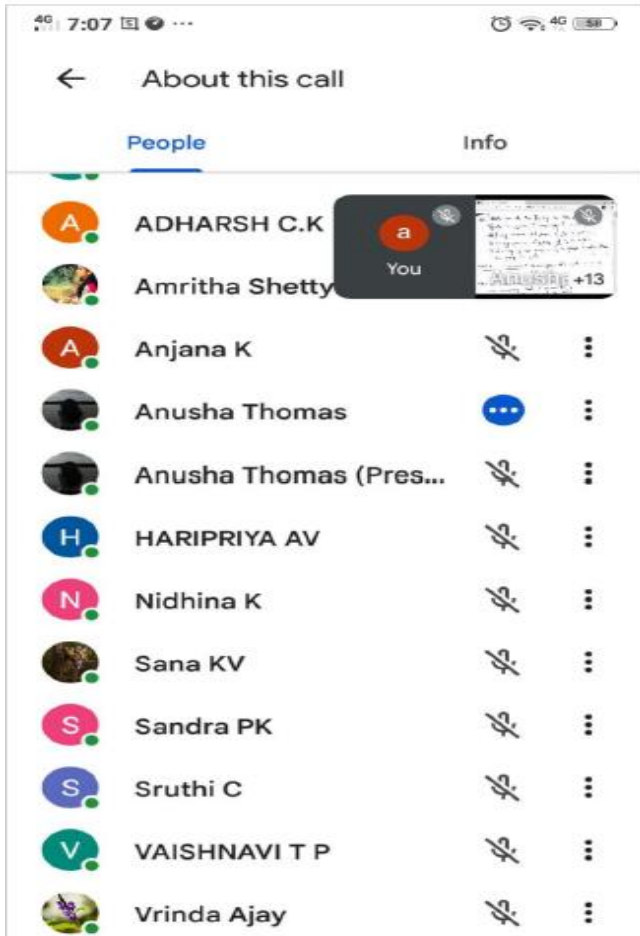
Sruthi
You
Anusha
D: 10 others

Call, Video, Mute, More

DEPARTMENT OF MATHEMATICS

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PROBLEM SOLVING SESSION

16/01/2022

IIT-JAM 2018 QUESTION PAPER

(ORDINARY DIFFERENTIAL EQUATIONS)



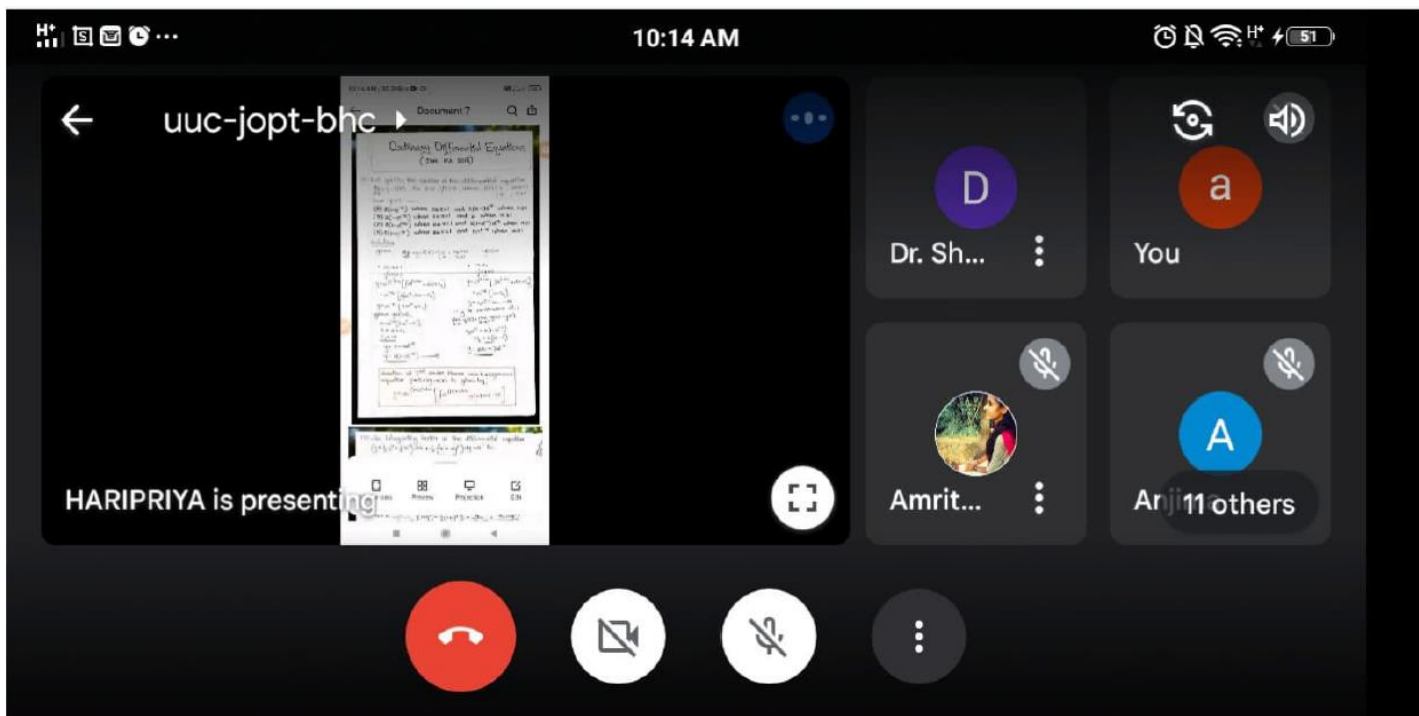
HARIPRIYA

(III BSC MATHEMATICS,

CAS COLLEGE, MADAYI)



10.00 AM



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