

Activities in Science Department (July-December, 2018)

Achievements/Activities of Faculties

Dr. Anupam Khanna, Asst. Professor, Mathematics published the following research papers in different Journals of International Repute:

1. "Vibration analysis of non-homogeneous tapered rectangular plate under thermal effect" published in ACTA TECHNICA, Vol.63, No. 3, pp:353-368, 2018. (SCOPUS INDEXED, I.F.=0.220)
2. "A study on vibration of tapered non-homogeneous rectangular plate with structural parameters" published in INTERNATIONAL JOURNAL OF APPLIED MECHANICS AND ENGINEERING, Vol. 23, No. 4, pp:873-884, 2018. (SCOPUS INDEXED, I.F.=0.331)
3. "Effect of non-linear thickness variation on vibration of visco-elastic clamped rectangular plate under thermal condition" published in INTERNATIONAL JOURNAL OF ACOUSTICS AND VIBRATION, Vol. 23, No. 4, pp:441-447. (SCIENCE CITATION INDEXED EXPANDED, I.F.=0.47)

Achievements/Activities of Students

Odd Semester (Session 2018-19) started from July, 2018. **Admissions** in different UG courses started from 02.07.2018 to 12.07.2018.

Principal, Dr. Ranpal Singh, addressed New Students in an orientation program. Main aim of Orientation program was to inform the students regarding rules and regulations to be maintained by the students in college premises. A copy of syllabi, time table etc were provided to them.

Teaching was started after **Hawan** i.e. Worship of Maa Saraswati for betterment and success of academic session. Staff and students were present in Hawan. After this, teaching started properly.

Independence Day was celebrated in college campus. Students participated in various cultural activities on 15.08.2018.

To extract the capabilities and talent of fresher students, a **Talent Show** was organized by college cultural committee. This event was full of various activities performed by students i.e. Skits, Speech, Dance, Singing, Mimicry, Poems etc.

Rangoli competition was organized on 31.08.2018 and Mehak Rathi (B.Sc.-2nd year) got 3rd prize.

On the same day, Manavi Arora (B.Sc.-2nd year) and Mehak Rathi (B.Sc.-2nd year) got 1st and 2nd prize in a debate on **DRUG ABUSE**.

Teachers Day was celebrated on 05 September, 2018 in Science Department. Principal, Dr. Ranpal Singh, addressed staff members and shared his views and experiences with students too.

B.Sc. Students decorated Physics & Chemistry Labs with Charts & Posters.



On 14.09.2018, a **Mental Ability Test** was successfully conducted by Department of Mathematics for students of B.Sc./B.A. (Mathematics). Department of Mathematics conducts MAT on 14th September of every year since last three years. The main aim of this test is to prepare the students for competitive examinations like Bank PO, SSC, NDA etc. Anshul (B.Sc.-1st year) and Harshita (B.Sc.-III year) ranked

Ist and 2nd respectively. All participants were awarded with certificate of participation.



Hindi Day (14.09.2018) was also celebrated in College Campus. Manavi Arora, Mona Saini and Anshul of B.Sc. 2nd year participated with full enthusiasm. Mona Saini got Ist prize and Manavi Arora got 2nd prize.

Rohan (B.Sc.-Ist year) participated in Painting competition in Zonal Youth Festival on 26.09.2018 held in SMS Khalsa College Barara. He received 2nd prize in this competition.

ARTICLES of STUDENTS

IMPORTANCE OF COLLEGE MAGAZINE

A college magazine is an annual or periodical publication of the college. It informs others about the tradition, culture, activities, achievements and discipline of the college.

Along with studies, students are encouraged in Games and Athletics, Art and Crafts, Science club and various other activities. Writing doesn't come from experience alone. The literacy and intelligence abilities of the students compel them to read books on a variety of subjects. Stories, poems, cartoon and scientific & Informative articles etc reflect the creativity and ability of the students.

The college magazine is also necessary for the overall personality development of the students. The guiding percepts of the magazine are to be found in the alphabets that go to build the word magazine:

M Many hands make the work light
A A word to the wise is enough
G God helps those who help themselves
A An act of discretion is worth a proud of wit
Z Zeal without knowledge is a runaway horse
I It is never too late to mend
N No gains without pains
E Example is better than percept.

Komal Rathi

B.Sc. (Non-Med)- IInd Year

AMAZING FACTS ABOUT CHEMISTRY

* The only two non silvery metals are Gold and Copper.

* Glass is actually a liquid, it just flows very slowly.

* Every hydrogen atom in our body is likely to be 13.5 billion year old, since they were created at the birth of universe.

*Helium balloons flat because helium is lighter than air.

*Mars is red because its surface contains a lot of iron or rust.

*The human body contains enough carbon to provide 'lead' (which is really graphite) for about 9000 pencils.

*Sometimes hot water freezes more quickly than cold water. (The Mpemba effect)

*Gallium is a metal which melts on the palm of the hand, melting point (29.76°C).

*Around 1% of sun's mass is oxygen.

*Mercury is the only metal that is liquid at room temperature.

*Lemons contain more sugar than straw barriers for the same mass.

*The color of liquid oxygen is blue.

*Coca-cola originally contained cocaine.

*Some lipstick contains lead acetate or sugar or of lead. The toxic lead compound makes the lipstick taste sweet.

*About 78% of the average human brain consists of water.

*The only alphabet that doesn't appear on the periodic table is J.

Mehak Rathi

B.Sc. (Non-Med)- IInd Year