

2.5.2. Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

➤ Continuous Internal Assessment (CIE) of students:

- Class tests



Name - Sanskriti Shaw, Roll - 1657, Sem 2, 29/5/2023

(1) Two salient features of DNA double helix -

- The DNA double helical structure is right handedly twisted. The one turn consists of 10.4 base pairs.
- In this structure, a sugar molecule (deoxyribose) is attached to a phosphate group and with a pair of nitrogenous bases. The nitrogenous bases Purine (Adenine and Guanine) form Hydrogen bonding with pyrimidines (Thymine and Cytosine).

(2) The different components of nuclear pore complex are -

The nuclear pore complex is made up of 50 proteins arranged in an octagonal symmetry, known as nucleoproteins. The nuclear pore complex has 4 major components -

- 1) Annular layer
- 2) Columnar layer
- 3) Ring layer
- 4) Luminal layer

The nucleoproteins consist of aqueous channels and proteins like import and export which help in transporting materials into the nucleus from the cytosol and vice versa respectively. Fibrous also provide across both sides of the nuclear membrane.

(3) Nucleosome - Nucleosomes are the structure formed after the first round of packing of DNA, so that it fits in the nucleus. The nucleosomes are formed of histone proteins (H1, H2A, H2B, H3, H4) along with DNA. The histone proteins have high number of positively charged amino acids.

Name - Eshika Ghosh, Sem - IV, Roll - 3630, Paper - 008, 13/20, 19/5/23, 20/5/23

(1) Plasmids: For Col-plasmids encode bacteriocins, proteins that kills other bacterial cells and protect the host bacterium. Ex: ColE1 of E. coli.

(2) Degradative plasmids: Degradative plasmids allow to mobilize the unusual molecules (like toluene etc). Ex: TOL plasmid of Pseudomonas sp.

(3) Mechanism of transposition of bacterial IS elements:

Target site

Donor

IS10

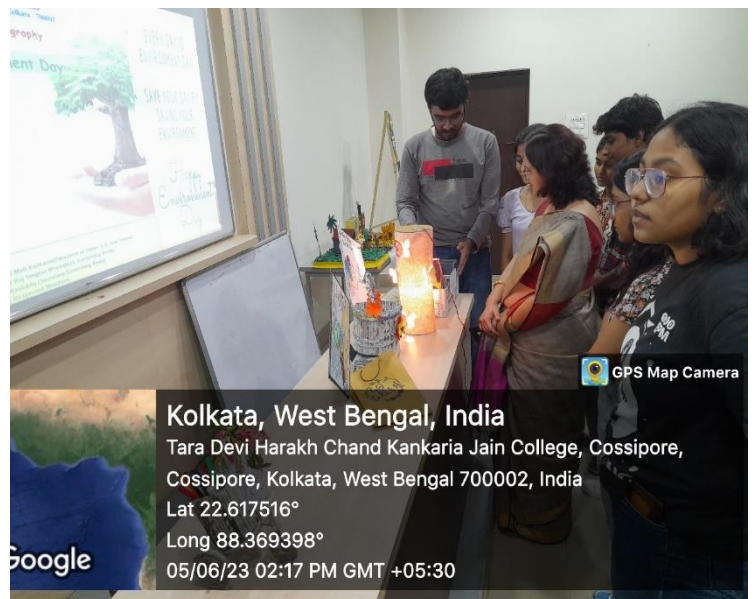
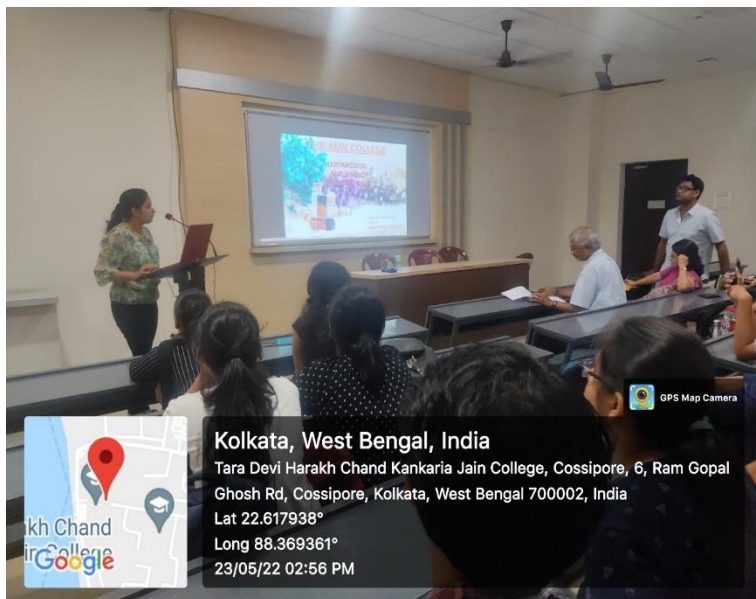
Target DNA

① Transposase cleaves staggered-end blunt-end in Donor and staggered-end cut in Target site.

② IS10 Transposon is ligated at the 5'-overhang regions of target DNA.

③ Bacterial DNA polymerase II and DNA ligase fill the gaps and ligate the ends.

- Academic activities:



➤ Parent teacher's Meeting:



➤ **Instructions related to Internal exam and Semester-end examination uploaded on college website:**

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Document Verification for B.Com 1st Sem, 2022-23
Dated : 16 Sep 2022
Notice for Document Verification for B.Com 1st Sem, 2022-23 [View Details](#)

Sem VI : Online Form Fill up of FSI / Review of Answer Scripts
Dated : 09 Sep 2022
Candidates of B.Com Semester- VI (Hons& Genl) Examination, 2022 seeking for re- examination are asked to fill-up the online review form from 12th September, 2022. [View Details](#)

Marksheets of B.Com Semester VI Hons. & Genl. (Morning)
Dated : 02 Sep 2022
Marksheets of B.Com Semester VI Hons & Genl (Morning) will be distributed from departmental office as per the following schedule. [View Details](#)

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Dated : 24 Jan 2023

ONLINE FORM FILL UP FOR B.COM. STUDENTS
All eligible candidates going to appear for B.Com Semester I (Hons & Genl) Examination, 2022 are hereby directed to fill the up the online application form for B.Com Semester I (Hons & Genl) Examination, 2022 and submit the Hard copy of the Form to the college as per the following schedule. [View Details](#)

Dated : 12 Jan 2023

NOTICE FOR THE RESCHEDULE OF UG EXAMS 2022
With reference to the Notification CE/ALLOT/CBCS/22/42(A) dt 10th January 2023, it is hereby notified to all concerned that all UG examinations including BBA (H), to be held on 13th January 2023, have been postponed and rescheduled on 9th February 2023. [View Notice](#)