

# PROBLEM SOLVING 2020-2021

# **DEPARTMENT OF ENGLISH**

## **Report format of Students centric method of teaching learning**

**Organising Department: ENGLISH**

**Academic Session: 2020-2021**

Report online Counselling Class

Type of the Activity: Problem solving methodology

Objective of the Event

- To address the problems of students during online examination, including downloading answer scripts, making PDFs and submission of scripts
- To assure the students about the cooperation of the college during online examination

Date: 16.12.2020

Time of the Event: 12:30pm -1:30pm

Number of attendees: (a) Student (mention semester): All students of Part 1 & II & Sem2

(b) Teacher: All teachers of Department of English

Venue: NB18

Speakers (if any) :

Outcome:

- Students got a scope to discuss their problems with the teachers about Online examination process.
- Students shared the problems they faced during mock trial of online submission

## Online class was conducted to solve the problems of students about online Examination

The screenshot shows a Google Meet interface during an online class. The main window displays a grid of participants. On the left, there are three video thumbnails: 'You' (a woman with glasses), 'Shirsak Ghosh' (a man wearing a face mask), and 'Tabassum Mallick' (a blue circle with the letter 'T'). The rest of the grid consists of circular icons with letters: 'M' (MD FAJLE ALAM), 'M' (Manisha Chain), 'S' (Sarmishtha Maitra), 'A' (Aishee Bandyopadhyay), 'T' (Tabassum Mallick), a dog icon (Trisha Yadav), and a woman icon (Sripama Bannerjee). On the right, a 'Meeting details' sidebar is open, showing a list of 49 people. The list includes names like Rupasree Bagui, Samadrita Ghosh, Sana Afreen, Sarmishtha Maitra, Sayantika Das, Shirsak Ghosh, sk safina, Sneha Biswas, and Sneha Lal. At the bottom, the Windows taskbar is visible, showing the search bar, task view, and system tray with the time 12:48 and date 16-12-2020.

# **DEPARTMENT OF BENGALI**

## **Problem Solving Methodology 2020-2021**

### **Report format of Students centric method of teaching learning**

**Organising Department: Bengali**

**Academic Session: 2020-2021**

Report on .....Open house program.....EVENT

Type of the Activity: (Problem solving)

Objective of the Event: various problem solving of this Dept. and college

Date: 02.06.21

Time of the Event: 1:00 pm

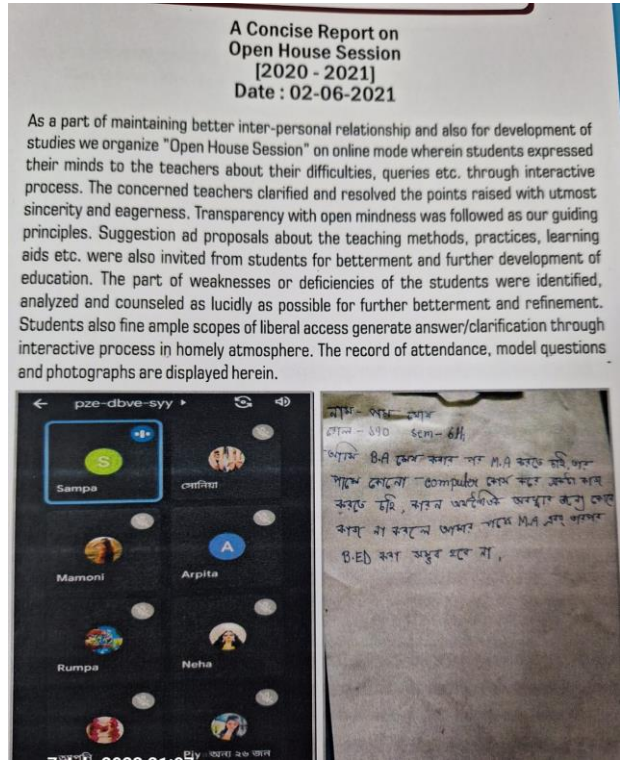
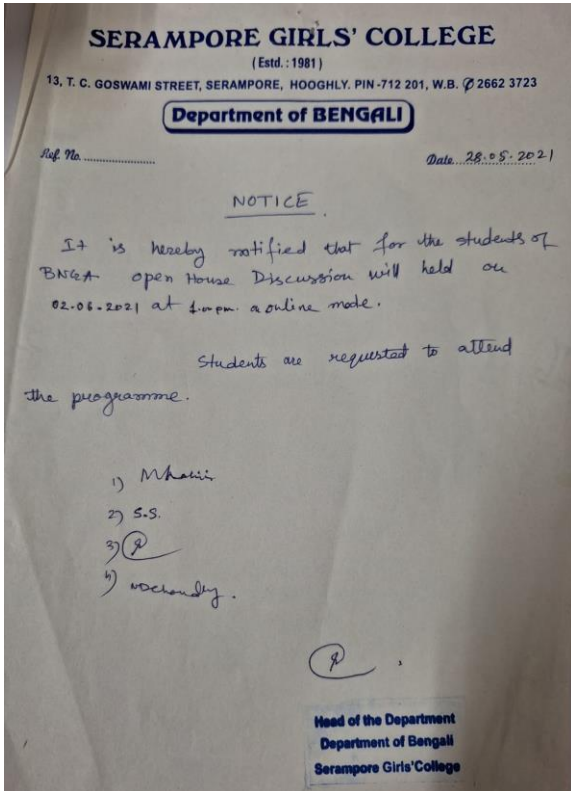
Number of attendees: (a) Student (mention semester): 26 (6th)

(b) Teacher: 04

Venue: class room NB8

Outcome: 1) way out try to problem sloved

Attach notices, photos, attendance sheet, speakers



**NOTICE AND REPORT OF OPEN HOUSE**

# DEPARTMENT OF HINDI

## Open House Programme Report

Department of Hindi

Session: 2020-21(Online)

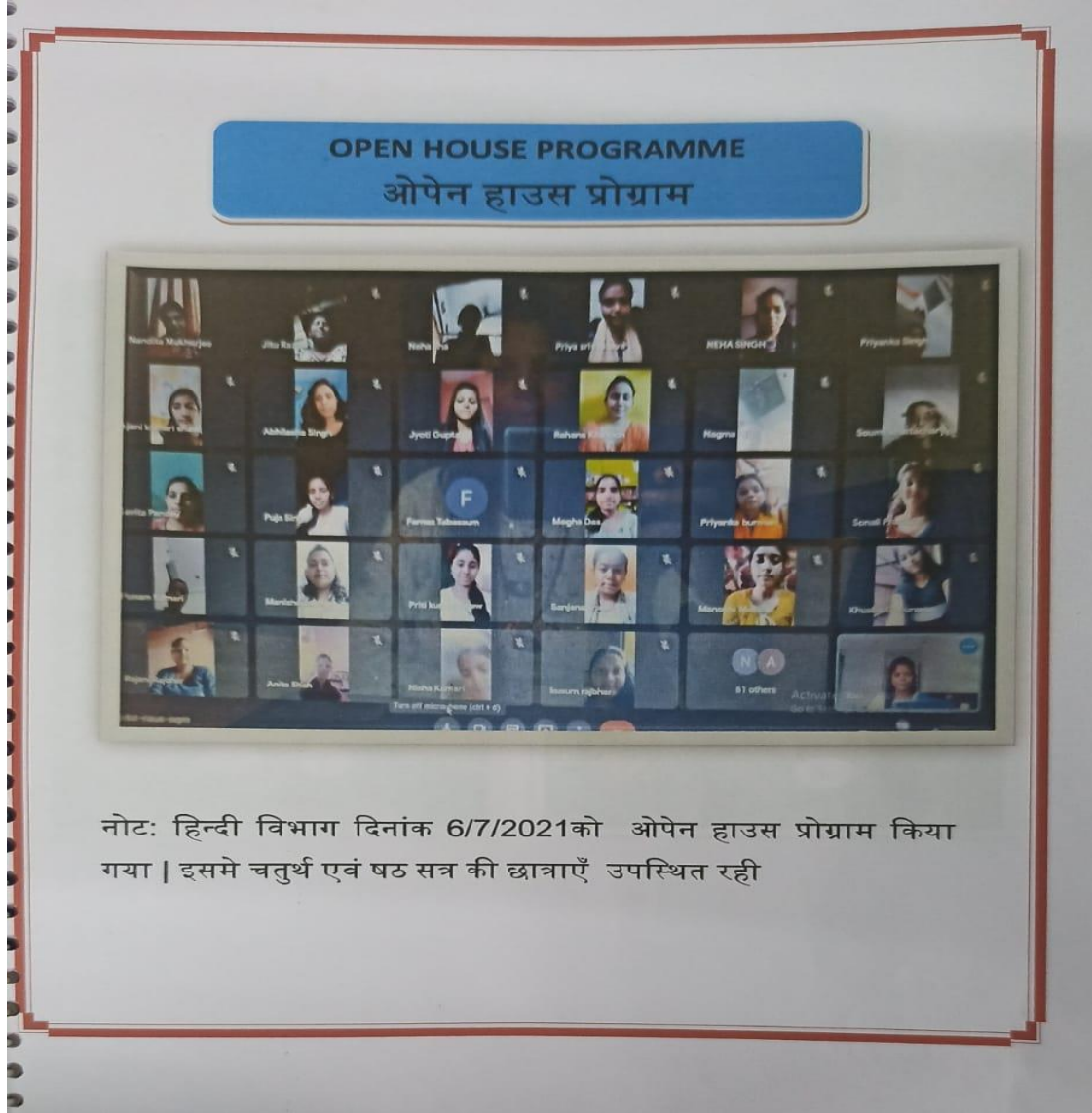
**Objective of the events:** To allow the students to speak and discuss about the Department and to get an overall view about the college.

Date	Time	Semester	Number of Students	Venue
06/07/21	4:00-5:00pm	6 <sup>th</sup> & 4 <sup>th</sup> Sem	90	Google Meet

**Teachers** - Dr. Nandita Mukherjee, Dipa Kumari Ram

**Outcome:** During the Open House session the students feel to discuss about the college. All the students overwhelmingly praised the Hindi Department and all are satisfied by the teachings of the teachers. Some students had problems regarding the library, otherwise most of the students are satisfied of all the facilities provided by the college. We, the teachers try to solve their problems by providing study materials. Also, we try to help them financially.

## Online Open House Program Doc



# **DEPARTMENT OF PHILOSOPHY**

## **STUDENT CENTRIC PROGRAM OF TEACHING LEARNING**

### **PROBLEM SOLVING METHODOLOGY**

#### **Open House Program**

#### **Report**

**Organising Department: Philosophy**

**Academic Session: 2020-21**

#### **Report on Open House Program**

Type of the Activity: Problem Solving.

Objective of the Event:- This program conducted to allow students and teachers to get acquainted with each other. They should feel most safe when they are with their teachers, an open house meeting helps the students release the tension and make them feel familiar with the surroundings of the Institutions.

Date: 15.06.21

Time of the Event: 10.45 onwards

Number of attendees: (a) Student : 27-2<sup>nd</sup> sem. 32- 4<sup>th</sup> sem.

(b) Teacher: 04, Chandrima Roy, Dr. Sayanti Talukdar, Dipankar Kaibartya, Amrita Chatterjee.

Venue: online mode

#### **Outcome:**

At open house meetings, not only did a student feel familiar with the teachers, but they were also provided with an opportunity for the parents and teachers to get connected. It helped in creating a healthy relationship that contributes positively to the overall development of the institution.

## OPEN HOUSE QUESITON PAPER

### OPEN HOUSE SESSION -

Questionnaire for : BA (HONS) Year :

Questions:

No. of Students :

Answers :

1. বি. এ. পাস করার পর তোমার কি পরিকল্পনা?  
What is your planning after passing B.A. Examination?
2. কোন গুরুত্বপূর্ণ বিষয় তোমাদের পাঠ্যক্রমে অন্তর্ভুক্ত করা হয় নি?  
Which important topic has not been covered in your syllabus?
3. তোমার বিভাগ সম্পর্কে তোমার অভিজ্ঞতা লক্ষ্যে কোন মতামত দাখিল কর।  
Please comment on your Bengali Department out of your experience?
4. লাইব্রেরীর বর্তমান ব্যবস্থাদি তোমার শিক্ষণের প্রয়োজন সন্মতভাবে কতটা সহায়ক বলে মনে কর?  
To What extent the present system of library has been conducive to meet your educational requirement.
5. তোমার বিভাগীয় পাঠ্যক্রমের অতিরিক্ত কর্মসূচী কি উপভোগ কর?  
দৃষ্টান্ত উপভোগ কর।  
Do you enjoy extra curricular activities in your department? Give example(s).
6. নিয়মিতভাবে তোমাদের শিক্ষার অভ্যন্তরীণ মূল্যায়ন হয় কি?  
Is your internal assessment held regularly?
7. ছাত্রীদের ক্লাসে উপস্থিত থাকার জন্য শিক্ষকগণ উৎসাহিত করেন কি?  
Do the teachers encourage students to be present in the class?
8. পড়ানোর সময় কোন কোন পদ্ধতি অবলম্বন করা হয়?  
What methods are followed for teaching in the class?
9. তোমরা কি বিভাগীয় গ্রন্থাগারের জন্য আগ্রহ বোধ কর? কেন?  
Do you feel interest for the departmental library? Why?

5. Report of open house/ quiz/ faculty exchange/ Extension lecture/ department's wall magazine mentoring etc.

(Photo, no of students attended with students' signature, Name of the speakers with a short report)

• **Open House Programme:**

Online Open house programme was conducted by the Philosophy Department on 15th of June, 2021 for the students through Google Meet. Fifteen students were present.

a)



**ONLINE OPEN HOUSE PROGRAM**

# **DEPARTMENT OF POLITICAL SCIENCE**

## **Students centric method of teaching learning**

**Organising Department: POLITICAL SCIENCE**

**Academic Session: 2020-21**

Report on PROBLEM SOLVING METHODOLOGY

**Type of the Activity: OPEN HOUSE**

Objective of the Event:

The HoD, Mr. Shyamal Kumar Daripa organized an Open House for the 3<sup>rd</sup> and 5<sup>th</sup> Semester Hons students on 6<sup>th</sup> Jan, 2021. This interactive session was largely dedicated to providing feedback on teachers and course structure.

Date: 6<sup>th</sup> Jan, 2021

Time of the Event: 3<sup>rd</sup> sem- 11.30-12.30 pm & 5<sup>th</sup> sem- 2.00-3.00 pm

Number of attendees: (a) Student (mention semester): 3<sup>rd</sup> sem- 45 & 5<sup>th</sup> sem- 37

(b) Teacher: Mr. Shyamal Kumar daripa (HOD)

Venue: Google Meet

Outcome:

1. Students shared positive feedback on the Open House session. They added that doubt clearing classes were extremely helpful for understanding of important concepts.
2. They also shared views on Library and academic calendar requirements.

NOTICE

01 - 04/01/2021

The Department is organizing an 'open house' for students of III<sup>rd</sup> & V<sup>th</sup> semester honours students on 06.01.2021, Online.

Timings -

3<sup>rd</sup> sem (Honours) - 11:30 - 12:30 PM.

5<sup>th</sup> sem (Honours) - 2:50 PM - 3:50 PM

Mandatory participation of students

*[Signature]*  
04/01/21.

Muktika Nandy  
04/01/21

*[Signature]*  
04/01/21.

NOTICE

# **DEPARTMENT OF SOCIOLOGY**

## **Problem-Solving Methodology**

### **Report on Doubt clearing Session**

Academic Session: 2020-2021

Report on Doubt Clearing Session

Type of the Activity: Problem-Solving Methodology

The department regularly arranges doubt-clearing classes after every Class Test.

#### **Objectives**

When it comes to studies and examinations, every student has several doubts. Even if the student is a consistent topper, she will have doubts. Therefore, doubt-clearing is very important after the declaration of results. The primary objectives are:

- To assist good students in achieving brilliant results.
- To assist weaker students in achieving respectful results.
- To know the students, their abilities, and inabilities thoroughly.

Number of attendees:

(a) Students: 56 (5th/6th Semester), 112 (3rd/4th Semester), 164 (1st/2nd Semester)

(b) Teachers: Dr.Aritra Ghosh

Dr. Saswati Chanda

Mr. Sarojit Kapasi

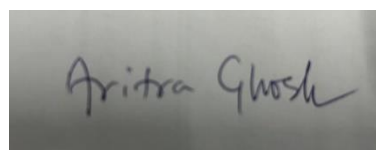
Date : 26.9.20.,4.19.20.,5.10.20.

Time : After every class test

Venue : Online

#### **Outcomes**

- Helps teachers to assess their students better
- Active learners get a strong foundation
- Slow learner gets the opportunity to attend remedial classes



# DEPARTMENT OF GEOGRAPHY

## Open House Programme

### Objective:

The Open House aims to challenge, redefine and improve the way students perceive departmental activities and programs as part of their daily life. An open house can be one of the brightest and most interesting ways for teachers to get to know their students. An open house can encourage and strengthen collaboration between students and teachers throughout the year. This can improve the understanding and appreciation of education; explain the university program; increase the appreciation of students to your department; and reveal students' needs, achievements and problems.

### Implementation

On **28 & 29 th June 2021**, the department held an open house day for 2nd,4th and 6th-semester students with honours. For this, a questionnaire(Google Form) was prepared by the teachers to understand the general description of the teaching-learning process, and departmental activities from the student, and interaction was carried out between the teachers and the students. Open House offers a holistic after-school learning experience to students. It is a redefining of active and engaging online classes and discusses the experience of the students, Dr. Asrafal Alam & Ms. Moumita Kundu (HoD) conducted this programme. They explained questions and communicated openly with students so that they can express their concerns, needs and opinions without fear. There was a positive response found among students.

YEAR	DATE	SEMESTER	NO OF PARTICIPANTS	TIME
2020-2021	28.6.2021	2nd sem	30	2p.m - 3 p.m
2020-2021	28.6.2021	4th sem	28	12.45p.m - 2 p.m
2020-2021	29.6.2021	6th sem	29	11.45p.m - 1 p.m

### Outcome:

#### 1. Why choose this College for admission 109 responses

It is a reputed college in the vicinity of home.

Because I heard a lot of good things about this college specially geography department

I heard from senior students that they study well in this college and their practicals are very well taught. All teachers help a lot. I am very proud to be a student of Srirampur Girls College. I am now a sixth semester student and I don't understand how these three years went by in college. I had a great time in college and the teachers have increased my interest in studying.

#### 2. Reason to choose the subject 109 responses

I started to love geography when I took geography after high school. I started thinking that I would study geography and I heard from many that we have a very good geography department in our college, so I fell in love with geography more and more. I will study in this college and coming to this college has taught me to know the teachers better for which I have learned to love geography more now. I have learned a lot of unknown information through geography and I have been able to update myself a lot

#### 3. Benefit from the subject 109 responses

This subject gives us very clear concept of every phenomenon on the earth's surface.

Broad choice of future careers.

This subject gives us a very clear concept of every phenomenon on the earth surface

**4. Interesting part of the subject-109 responses**

The practical theory is interesting from both sides. It is very interesting that we can recognize the world through different types of projections. Now we are doing remote sensing GIS image classification. There are many geographies in different parts of the world. This is a very interesting subject

**5. Departmental library facility-109 responses**

**CONT.....**

6. Select a teacher to rate 109 responses      7. Rate Communication skill ( from 1 to 5)109 responses

8. Rate Theory note/ Theory topic clearance ( from 1 to 5)109 responses

9. Teacher -student relation (rate 1 to 5)109 responses

10. Practical classes (rate 1 to 5)109 responses

11. Teaching Methodology (rate 1 to 5)109 responses

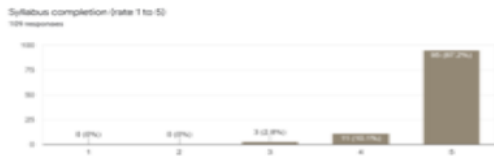
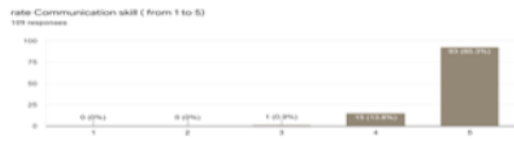
12. Teaching Methodology 109 responses

13. Laboratory infrastructure/Instrument condition 109 responses

14. Performance by laboratory attendant in practical class-109 responses

15. Future Aim-87 responses

16. Career advancement 109 responses



# **DEPARTMENT OF BOTANY**

## **Report on Student centric method of teaching learning**

**Organising Department: Botany**

**Academic Session: 2020-21**

**Report on: Assignment**

**Type of the Activity: Problem solving**

**Objective of the Event: For practice of students.**

Date: Sem-3 (16/10/2020)

Time of the Event: 1 day.

Date: Sem-3 (18/1/2021)

Time of the Event: 1 day.

Date: Sem-4 (03/07/2021)

Time of the Event: 2 days

**Number of attendees:** (a) Student: 12 students of semester III and 12 students of sem IV

(b) Teacher: 1 (Dr. Madhusree Halder)

**Venue: Google meet/ google class room/ skype**

**Outcome: All students responded. It was very helpful for them. Assignment on different topic help them to get idea about pattern and practice strategies of question paper.**

## Question paper of assignment

### SEM 3- ASSIGNMENT Question paper (Online)

Serampore Girls' College  
Botany Assignment on DNA replication  
Full marks- 35. Date- 16/10/2020

Answer the following questions (2-marks each):

1. Who did discover DNA polymerase?

DNA polymerase কে আবিষ্কার করেন?

2. What do you mean by semi-conservative DNA replication?

semi-conservative replication বলতে কি বোঝে?

3. Define leading & lagging strand of DNA.

Leading এবং lagging strand বলতে কি বোঝে?

4. What do you mean by 9-mer & 13-mer sequences of DNA?

9-mer এবং 13-mer বলতে কি বোঝে?

5. What is the function of RNA primer in DNA replication?

DNA রিপ্লিকেশন এ RNA প্রাইমার এর কাজ লেখো।

Answer the following questions (5-marks each):

1. Give a detailed account of the structure of DNA Polymerase III.

DNA Polymerase III এর গঠন সহ বিবরণ দাও।

2. Prove with a classical experiment: "DNA replication is semi-conservative".

সঠিক পরীক্ষা দ্বারা প্রমাণ কর "DNA replication পদ্ধতি টি অর্ধ সংরক্ষণশীল।"

3. With flow diagrams explain:

a. Rolling circle DNA replication. (5)

b. Theta shaped DNA replication. (5)

a. রোলিং সার্কেল DNA replication.

b. থিটা আকারে DNA replication.

4. Give a detailed account of DNA replication initiation process in E.coli.(5)

E.coli ব্যাকটেরিয়া DNA replication এর শুরু পদ্ধতি বর্ণনা কর।

## **Scoresheet**

Sl. No.	Name of the student	Marks
1.	Alfa Tabassum	25
2.	Aditi Sinha Roy	20
3.	Simaran Shaw	32
4.	Hena Farheen	AB
5.	Ishita Santra	38
6.	Keya Bera	36
7.	Nisha Kumari	11
8.	Neha Roy	25
10.	Sukanya Roy	24
11.	Sulaghna Dey	25
12.	Supriya Bharati	30
14.	Bushra Afzal	AB

## **SEM 3- ASSIGNMENT Question paper (online)**

The screenshot shows a web browser window with the following details:

- Browser tabs: Bot (G) 3rd sem: Assignment on virus, Gmail, Inbox (223) - botanysgc2020@g...
- Address bar: classroom.google.com/c/MTQzNDM0ODg0NDI0/a/MjMzQDA1NDY5NzY4/details
- Page header: SGC BOTANY GENERAL SEM 4, Instructions, Student work
- Assignment title: Bot (G) 3rd sem: Assignment on virus
- Created by: Madhusree Halder • 18 Jan 2021
- Points: 10 points
- Due date: Due 18 Jan 2021, 23:59
- Instructions: send scanned copy with original filter.
- Attachment: Assignment on Virus.pdf (PDF)

## SEM-4 ASSIGNMENT (online)

Serampore Girls College

Department of Botany

Semester- IV

Paper- CC4/ GE 4

Assignment on Nitrogen metabolism

Full marks- 40

1. Answer the following (2 marks each):

a. What is leghemoglobin?

লেগহিমোগ্লোবিন কী?

b. Name two free-living & two symbiotic N-fixers.

২টি স্বাধীনজীব এবং ২টি নিখোজীব নাইট্রোজেন সংবন্ধনকারী জীব এর নাম লেখ।

c. What is rhizobia?

রাইজোবিয়া কী?

d. What is GOGAT?

GOGAT কী?

e. Define Nitrification & Denitrification.

সংজ্ঞা দাও- নাইট্রিফিকেশন এবং ডিনাইট্রিফিকেশন

2. Answer the following (5 marks each):

a. Write a short note on Nitrogenase Enzyme Complex.

b. What is trans-amination? What do you mean by nitrate & nitrite assimilation?

ট্রান্স- অ্যামিনেশন কী? নাইট্রেট এবং নাইট্রাইট অ্যাসিমিলেশন বলতে কী বোঝ?

c. Write the role of GS & GOGAT in ammonia assimilation.

অ্যামোনিয়া অ্যাসিমিলেশন -এ GS এবং GOGAT এর ভূমিকা লেখ।

d. Diagrammatically illustrate the biochemistry of symbiotic N-fixation.

টিঙ্কের সাহায্যে নিখোজীবীয় নাইট্রোজেন সংবন্ধন প্রণালী দেখাও।

3. Give a detailed account of root nodule formation in Rhizobium-Legume interaction. (10)

রাইজোবিয়াম-লেগিউম ইন্টার-অ্যাকশন -এ অর্বুদ গঠন পদ্ধতি বর্ণনা কর।

Assignment 5. Nitrogen Metabolism. 4th sem. 04.07.21

1. Answer the following - [2 marks each]

(a) what is leghemoglobin? 3/2

Leghemoglobin (also leghaemoglobin or legoglobin) is an oxygen-carrying phytochrome found in the nitrogen-fixing root nodules of leguminous plants.

The main function of leghemoglobin are:

- To facilitate oxygen supply to the nitrogen fixing bacteria.
- To protect the enzyme, nitrogenase from being inactivated by oxygen.

(b) Name two free-living and two symbiotic N-fixers.

Free-living  $N_2$ -fixing bacteria are -

Azobacter and Beijerinckia (both aerobic) 1/2

Symbiotic nitrogen fixing bacteria are -

Rhizobium and Frankia

(c) what is xanthin?