



Criterion-I Curricular Aspects

L.T.K. College, Azad, North Lakhimpur



2020-2021

Criterion-I

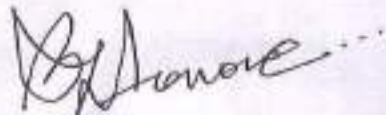
Curricular Aspects

1.1.1 - The Institution ensures effective curriculum delivery through a well-planned and documented process

Contents: -

1. Academic Calendar 2020-2021
2. Log Book
3. Teachers' Diary
4. Routine and Order of the Authority for conducting Online Classes
5. Proof of Online Classes




IQAC Coordinator,
LTK College, Azad, N.L.



ACADEMIC CALENDER

LAKHIMPUR TELAHI KAMALABARIA COLLEGE, AZAD, NORTH LAKHIMPUR

From July, 2020 to June, 2021

Months/Date	Class Days/Working Days/Holidays	Academic & Other Activities
July, 2020		
5,12,19,26	Sunday	1. Mid Semester vacation only for teaching staffs (1st July to 31st July)
1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31	Working days/ Class days	
August, 2020		
2, 9, 16, 23, 30	Sunday	1. Re-commencement of BA/B.Sc 1st, 3rd & 5th semesters, H.S. 1st year & 2nd year classes (From 1 st August) 2. Last date for submission of Filled in Registration form of the BA/ B.Sc. 1st Semester by the students (5th August) 3. Observation of Independence Day (15th August) 4. Observation of College Foundation Day (22nd August) 5. 1st sessional examination (3rd week of August) 6. Unit Test of H.S. classes (3rd week of August) 7. Research orientation programme for Assistant professors by Research Council. (3rd week of August)
1, 15, 20	Holidays	
3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 17, 18, 19, 21, 22, 24, 25, 26, 27, 28, 29, 31	Working days/ Class days	
September, 2020		
6, 13, 20, 27	Sunday	1. Observation of Tithi of Shri Shri Sankardeva (1st September) 2. Internal Assessment through Seminar/Group 3. Discussion etc. (15th-17th September) 4. Submission of filled in examination forms for 5. H.S. Final Examination, 2020 6. Career Counseling programme for students by Career Counseling Cell. (3rd week of September) 7. Departmental seminar presentation
7, 9, 26	Holidays	
1, 2, 3, 4, 5, 8, 10, 11, 12, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 28, 29, 30	Working days/ Class days	
October, 2020		
4, 11, 18, 25	Sunday	1. Observation of Gandhi Jayanti (2nd October)
2, 23, 24, 25, 26, 30	Holidays	



1, 3, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 27, 28, 29, 31	Working days/ Class days	<ol style="list-style-type: none"> Last date for Assignment submission by the students (if any) of the BA/B.Sc. Programmes (8th October) Departmental Seminar Last date of Form fill up of degree end semester examinations (10th October) Orientation programme for students by IQAC regarding Online submission of Feed-Back form. (2nd week of October) Online submission of filled Feed-Back form. (2nd week of October) 2nd sessional examination (14th-17th October) Terminal Examination for H.S. classes (3rd week of October) Last date for notification of 2nd Sessional Examination Marks in the Departmental Notice Board (20th October) Last date for submission of Internal Assessment marks (22nd October) Completion of the Odd Semester Classes (25th October)
November, 2020		
1, 8, 15, 22, 29	Sunday	<ol style="list-style-type: none"> End Semester Examinations (1st week of November) Computer training programme for Non-Teaching Staff by IQAC. (2nd week of November) Evaluation of End Semester Answer scripts of the B.A. / B.Sc. / B.Com. Programmes
14, 24, 30	Holidays	
2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 21, 23, 25, 26, 27, 28	Working days/ Class days	
December, 2020		
6, 13, 20, 27	Sunday	<ol style="list-style-type: none"> End Semester Break for the teaching staff (1st to 31st December) Evaluation of End Semester Answer scripts Departmental Educational Excursion, Educational Tours, Field Study, etc. (if any)
2, 25	Holidays	
1, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 28, 29, 30, 31	Working days/ Class days	
January, 2021		
3, 10, 17, 24, 31	Sunday	<ol style="list-style-type: none"> Commencement of Odd semester & H.S. 1st year Classes
13, 14, 15, 26, 31	Holiday	



1, 2, 4, 18, 19, 20, 21, 22, 23, 25, 27, 28, 29, 30	Working days/ Class days	<ol style="list-style-type: none"> Notification of Class Routine in the College Republic Day (26th Jan.) Completion of the First Sessional Examination of the 1st, 3rd and 5th Semester of the B.A./B.Sc. Programme Freshman Social/Annual Sports/Student Body Election (As per Govt./DU notification.) Departmental Seminar/National Seminar/Workshop/ Group Discussion/Mentoring/Extension ctivities/Community Development / Guardian Meet/Alumni Meet/ Field study
5th to 16th January, 2021		Winter Recess for the teaching staff of the college
February, 2021		
7, 14, 21, 28	Sunday	<ol style="list-style-type: none"> Internal Assessment of B.A./B.Sc. Programmes through seminar/Group discussion (1st to 10th February) Swaraswati Puja (16th Feb.) Completion of the second Sessional Examination of the 1st, 3rd and 5th Semester of the B.A./B.Sc. Programme Last date for Assignment Submission by the students of B.A./B.Sc. Programmes Last date of from fill up of the B.A./B.Sc. odd semester examination H.S. final Examination Freshman Socioal/Annual Sports/Student Body Election (As per Govt./DU notification.) Departmental Seminar/National Seminar/Workshop/ Group Discussion/Mentoring/Extension ctivities/Community Development / Guardian Meet/Alumni Meet/ Field study
16, 27	Holiday	
1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26	Working days/ Class days	
March, 2021		
7, 14, 21, 28	Sunday	<ol style="list-style-type: none"> Last date of submission of Internal Assessment marks of the B.A./B.Sc. 1st, 3rd and 5th Semester Odd semester Examinations Answer script evaluation Departmental Seminar/National Seminar/Workshop/ Group Discussion/ Mentoring/ Extension ctivities/ Community Development / Guardian Meet/Alumni Meet/ Field study
28	Holiday	
1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27	Working days/ Class days	
April, 2021		
4, 11, 18, 25	Sunday	<ol style="list-style-type: none"> Commencement of Even Semester Classes (1st April, 2021) Notification of Class Routine in the College
2, 13, 14, 15, 16, 21	Holiday	



1, 3, 5, 6, 7, 8, 9, 10, 12, 17, 19, 20, 22, 23, 24, 26, 27, 28, 29, 30	Working days/ Class days	3. Departmental Seminar/National Seminar/Workshop/Group Discussion/Mentorintg/ Extension Activities/Community Development/Guardian Meet/Alumni Meet/ Field study
10th to 18th April, 2021		Semester end vacation for the teaching staff of the college.
May, 2021		
2, 9, 16, 23, 30	Sunday	1. Completion of the First Sessional Examination of the 2nd, 4th and 6th Semester of the B.A./B.Sc. Programme 2. Admission notice & issue of peospectus of Admission process in the H.S. 1st Year and B.A./B.Sc. 1st Semester 3. Evaluation of answer scripts of odd semester examinations 4. Departmental Seminar/National Seminar/ Workshop/ Group Discussion/ Mentorintg/ Extension Activities / Community Development / Guardian Meet/Alumni Meet/ Field study
1, 14, 26	Holiday	
3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 15, 17, 18, 19, 20, 21, 22, 24, 25, 27, 28, 29, 31	Working days/ Class days	
June, 2021		
6, 13, 20, 27	Sunday	1. Admission notice & issue of peospectus of Admission process in the H.S. 1st Year and B.A./B.Sc. 1st Semester 2. Counseling for the students of the B.A./B.Sc. Programees and Mid Semester Feedback Assessment (any one day) 3. Completion of the second Sessional Examination of the 2nd, 4th and 6th Semester of the B.A./B.Sc. Programme 4. Last date for Assignment Submission by the students of B.A./B.Sc. Programmes 5. Last date of from fill up of the B.A./B.Sc. even semester examination 6. Departmental Seminar/National Seminar/ Workshop/ Group Discussion/ Mentorintg/ Extension Activities / Community Development / Guardian Meet/Alumni Meet/ Field study
1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 28, 29, 30	Working days/ Class days	
July, 2021		
4, 11, 18, 25	Sunday	1. Completion of even semester classes 2. Last date of submission the Internal Assesment marks of B.A./B.Sc. 2md, 4th and 6th Semester 3. Even semester examination 4. Departmental Seminar/National Seminar/ Workshop/ Group Discussion/ Mentorintg/ Extension Activities / Community Development / Guardian Meet/Alumni Meet/ Field study
21	Holiday	
1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 22, 23, 24, 26, 27, 28, 29, 30, 31	Working days/ Class days	

[Signature]
IQAC Coordinator

[Signature]
Principal
L. T. K. College, Azad
North Iakhimpur

(To be submitted to DHE, Govt. of Assam)

LOG BOOK FOR TEACHING STAFF



DEPARTMENT: Zoology.....

FOR THE MONTH OF: February/20.....

(The log book should be submitted to the Coordinator, IQAC at the end of each month)


IQAC Coordinator
LTK College, Azad, N.L.



Details of classes

Date: 04/02/2020
Department: Zoology.

(To be submitted to DHE, Govt. of Assam)

Name of the Teacher	No. of classes allotted	Periods				Other Activities
		1	2	3	4	
D. Gooi	03	Class: 4th Sem (M) Time: 9:00 a.m. Topic taught: Mitochondria	Class: Core 4 Time: 10:00 a.m. Topic taught: Mitochondria	Class: 6th Sem (M) Time: 1:45 P.M. Topic taught: cloning	Class: Time: Topic taught:	None
K. Hazarika	03	Class: 2nd. Core 3 Time: 12: AM Topic taught: General characteristics of chordates	Class: 6th Sem (M) Time: 1: PM Topic taught: P-a system	Class: Time: Topic taught:	Class: Time: Topic taught:	None
M. Neog	03	Class: 2nd Sem (M) Time: 9:00 Topic taught: Thermal pollution	Class: 6th Sem (M) Time: 10:00 Topic taught: Watson crick's DNA model	Class: 2nd Sem (M) Time: 1:45 Topic taught:	Class: Time: Topic taught:	None
H. Morang	02	Class: 6th Sem (M) Time: 11:00 Topic taught: Khariy grasshopper	Class: 4th Sem (P) Time: 12:00 Topic taught: Invertebrate addition	Class: Time: Topic taught:	Class: Time: Topic taught:	None

1. Dr./Mr./Mrs. D. Gooi has taken/not taken all the classes allotted to him/her at the stipulated time.
2. Dr./Mr./Mrs. K. Hazarika has taken/not taken all the classes allotted to him/her at the stipulated time.
3. Dr./Mr./Mrs. M. Neog has taken/not taken all the classes allotted to him/her at the stipulated time.
4. Dr./Mr./Mrs. H. Morang has taken/not taken all the classes allotted to him/her at the stipulated time.

Checked and found correct/incorrect

Principal
L.T.K. College, Azad

Total Classes taken					
1. 2 nd Semester	Major	02	Core	01	Practical
2. 4 th Semester	Major	01	Core	01	Practical
3. 6 th Semester	Major	04	Core		Practical

HoD
Dept. Zoology

[Signature]



TEACHER'S Diary-2021



LTK College
Azad, North Lakhimpur-787031,
Dist : Lakhimpur, Assam

B. K. Dore

IQAC Coordinator
LTK College, Azad, N.L.



2021 Tuesday

Engagement

Classes	Class taken (With Topic) Class not taken (With Reasons)	Remarks
H.S (Arts/ Sc.) 1st Yr. 2nd Yr.	H.S 2nd: Three dimension	
B.A./B.Sc. 1 st Sem./2 nd Sem 3 rd Sem./4 th Sem 5 th Sem./6 th Sem	1 st (M): Washer method 5 th (M): Pascal's Identity.	
Any Others		

2021 January Day 20 Wed.

Engagement

Classes	Class taken (With Topic) Class not taken (With Reasons)	Remarks
H.S (Arts/ Sc.) 1st Yr. 2nd Yr.		
B.A./B.Sc. 1 st Sem./2 nd Sem 3 rd Sem./4 th Sem 5 th Sem./6 th Sem	1 st (M): Washer method problem solved 5 th (M): Vandermonde's them. 3 rd (M): Alternating group.	
Any Others		

2021 January Day 21 Thurs.

Engagement

Classes	Class taken (With Topic) Class not taken (With Reasons)	Remarks
H.S (Arts/ Sc.) 1st Yr. 2nd Yr.	H.S 1st: Binomial them.	
B.A./B.Sc. 1 st Sem./2 nd Sem 3 rd Sem./4 th Sem 5 th Sem./6 th Sem	1 st (GE): Euler's the ^m 3 rd (M): Symmetric group. 5 th (M): No student	
Any Others		

2021 January Day 22 Fri.

Engagement

Classes	Class taken (With Topic) Class not taken (With Reasons)	Remarks
H.S (Arts/ Sc.) 1st Yr. 2nd Yr.		
B.A./B.Sc. 1 st Sem./2 nd Sem 3 rd Sem./4 th Sem 5 th Sem./6 th Sem	1 st (GE): Tangent & Normal. 3 rd (M): No student 5 th (M): Ramsey method	
Any Others		

[Signature]
IQAC Coordinator
LTK College, Azad, N.L.

Office of the Principal



L.T.K. COLLEGE

P.O. Azad-787031, North Lakhimpur, Assam

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Date:

27/4/2020

Hereby, I would like to inform all the HoDs that Covid-19 Pandemic situation in the state is not yet improved. Keeping the Covid-19 Pandemic situation in view, the Govt. of Assam has declared complete lockdown in the state. Till further notice and new SoP from the Govt. of Assam, all the colleges shall remain closed and classes should be undertaken on Online Mode as per the instruction.

Therefore, the Vice-Principal is asked to prepare a routine for **Online Classes** and HoDs are asked to arrange **Online Classes** as per the routine. Further, all the teachers have to submit proofs of each class he/she has taken in the WhatsApp Group of the College.

By Order

Principal
L.T.K. College, Azad
North Lakhimpur

Principal
L.T.K. College Azad
North Lakhimpur




**Online Class Routine for B.A/B.Sc.
2020-2021
L.T.K. College, Azad, North Lakhimpur**

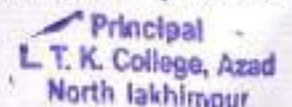
Days	Class	9.30-10.15	10.15-11.00	11.00-11.45	11.45-12.00	12.00-12.45	12.45-1.30	1.30-2.15	2.15-30.00	3.00-3.45
MON	2 nd Sem	C-I		C-II						
	4 th Sem		C-V		C-VI		C-VII			
	6 th Sem			M-9		M-10		M-11		M-12
TUE	2 nd Sem	C-I		C-II						
	4 th Sem		C-V		C-VI		C-VII			
	6 th Sem			M-9		M-10		M-11		M-12
WED	2 nd Sem	C-I		C-II						
	4 th Sem		C-V		C-VI		C-VII			
	6 th Sem			M-9		M-10		M-11		M-12
THU	2 nd Sem	C-I		C-II						
	4 th Sem		C-V		C-VI		C-VII			
	6 th Sem			M-9		M-10		M-11		M-12
FRI	2 nd Sem	C-I		C-II						
	4 th Sem		C-V		C-VI		C-VII			
	6 th Sem			M-9		M-10		M-11		M-12
SAT	2 nd Sem	C-I		C-II						
	4 th Sem		C-V		C-VI		C-VII			
	6 th Sem			M-9		M-10		M-11		M-12

Abbreviations: -

C- Core

M- Major


 Principal
 L.T.K. College, Azad
 North Lakhimpur, Assam


 Principal
 L. T. K. College, Azad
 North Lakhimpur

Online Classes during Lock down (2020-2021)

(Screenshots of online Classes)

Case IV \rightarrow If $x = x^{m_1}$, then $\frac{1}{f(b)} = \int \frac{1}{f(b)}$

Case IV \rightarrow If $x = x^m v$
 $= x^m e^{ax} \rightarrow D = D+a$
 $= x^m \sin ax \rightarrow D = -a$

Ex] $\frac{dy}{dx} + \frac{dy}{dx} + y = \sin 2x$
 $\Rightarrow D^2 y + Dy + y = \sin 2x$
 $\Rightarrow (D^2 + D + 1)y = \sin 2x$

A.E $\Rightarrow m^2 + m + 1 = 0$
 $m = \frac{-1 \pm \sqrt{1-4}}{2} = \frac{-1 \pm i\sqrt{3}}{2} = -\frac{1}{2} \pm i\frac{\sqrt{3}}{2}$

10. Matrix Representation on Graphs

\mathbb{K} is usually directed by \mathbb{R}^3 .
 Illustration: Consider the graph G , given in Fig. 6.6

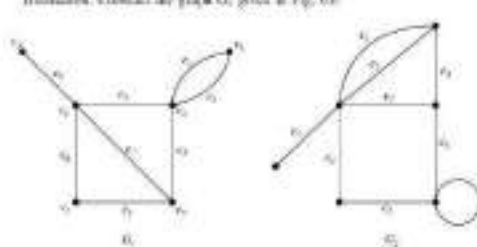
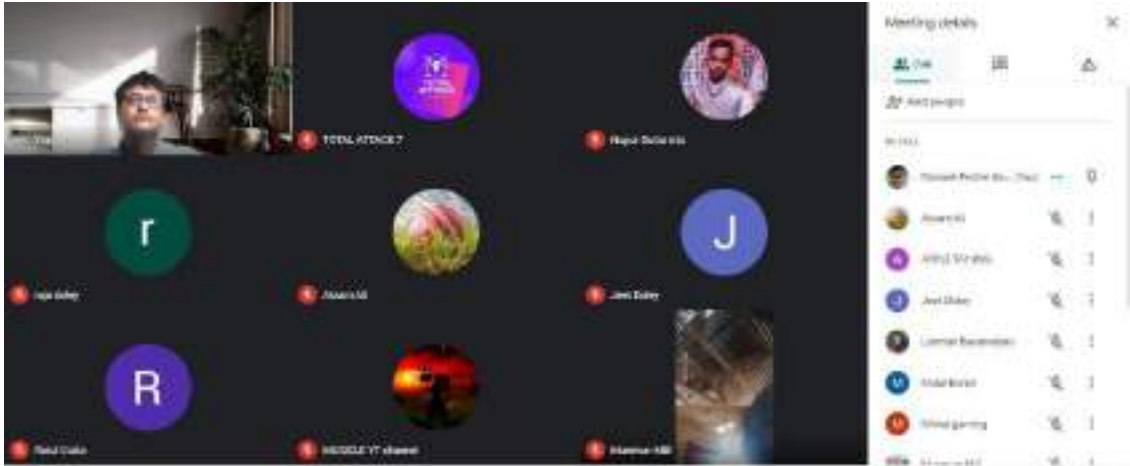


Fig. 6.6 Two graphs G_1 and G_2

The graph G_1 has four different circuits $T_1 = (v_1, v_2)$, $T_2 = (v_1, v_2, v_3)$, $T_3 = (v_1, v_2, v_3, v_4)$ and $T_4 = (v_1, v_2, v_3, v_4, v_5)$.
 The circuit matrix is

T_1	T_2	T_3	T_4
1	1	1	1

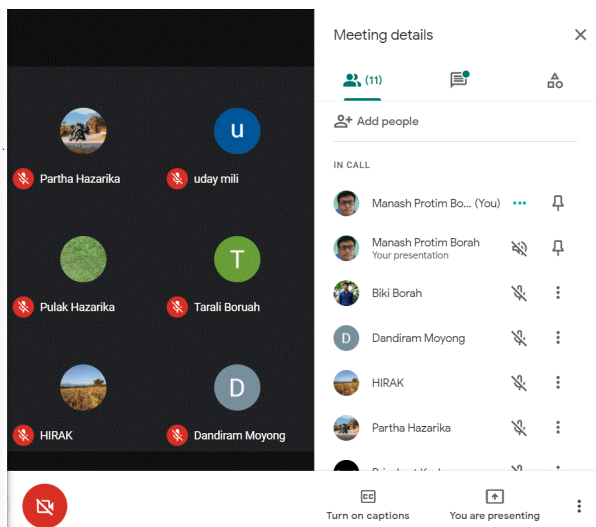


Time series Analysis - (Maths Marks)

Time series refers to such a series in which the variable is time. It is an arrangement of statistical data in chronological order i.e., in accordance with occurrence of time.

According to Yau-Lun Chau, a time series may be defined as a collection of readings belonging to different time periods of some economic variable or composite of variables such as production of steel, per capita income, gross domestic product, price of tobacco or index of industrial production.

Mathematically, a time series is defined by the functional relationship U_t is the value of U at time t .



A screenshot of a Zoom meeting showing a shared screen with a handwritten table. The table is titled "Calculate 5-yearly moving average from the following data". The table has 5 columns: "Year", "Value", "5-yearly moving avg", "5-yearly smoothed value", and "5-yearly difference". The data is as follows:

Year	Value	5-yearly moving avg	5-yearly smoothed value	5-yearly difference
1950	100	100	100	0
1951	110	110	110	0
1952	120	120	120	0
1953	130	130	130	0
1954	140	140	140	0
1955	150	150	150	0
1956	160	160	160	0
1957	170	170	170	0
1958	180	180	180	0
1959	190	190	190	0
1960	200	200	200	0

The meeting details sidebar on the right shows the meeting title, participants list, and other meeting controls.

