Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Supporting Documents for AQAR
Period: 2022-2023

Criterion 2	Key Indicator: 2.5
Teaching-Learning and Evaluation	Evaluation Process and Reforms
Metric Number: 2.5.1	Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Prepared and submitted by
Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
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Metric NO:- 2.5.1	Mechanism of internal assessment is transparent and robust in terms of frequency and mode

CONTENTS

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Dibrugarh University Guidelines for internal Assessment

OFFICE OF THE REGISTRAR:: DIBRUGARH UNIVERSITY:DIBRUGARH

Ref. No: DU/DR-A/6-1/19/412   Date: 02.05.2019

NOTIFICATION

As recommended by the 121th Meeting of the Under Graduate Board held on 25.04.2019, the 116th Meeting of the Academic Council held on 30.04.2019 vide *Resolution No. 24* has approved partial modifications in *Clauses 2(i)(m), 2.5(i)(a), 3.1(c)(i) and 8.2* of the *Dibrugarh University Regulations for the Under Graduate Programmes in the Choice Based Credit System, 2018*, which will come into effect from the *academic session 2019-2020*. The Regulations (modified) enclosed herewith as *Annexure A* supersedes all earlier editions of same.

The Choice Based Credit System going to be implemented in the B.A., B.Sc. and B.Comm. Programmes of Dibrugarh University w.e.f. academic session 2019-2020 shall be governed by these Regulations.

Issued with due approval.

(Dr. B.C. Borah)
Joint Registrar (Academic)
Dibrugarh University

Copy to:
1. The Vice-Chancellor, Dibrugarh University.
2. The Deans, Dibrugarh University.
3. The Registrar, Dibrugarh University.
4. The Controller of Examinations, Dibrugarh University.
5. The Director, College Development Council, Dibrugarh University.
6. The Principals/ Directors of the Colleges/ Institutes affiliated to/ permitted by Dibrugarh University conducting the B.A., B.Sc. and B.Comm. Programmes, Dibrugarh University with a request to download the Regulations from the website: *dibru.ac.in*
7. The Programmer, Dibrugarh University with a request to upload the Notification in the website for all concerned.
8. File.

(Dr. B.C. Borah)
Joint Registrar (Academic)
Dibrugarh University

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

6. **Examination and Evaluation:**

(a) Examination and evaluation shall be done on a continuous basis, at least three times during each semester.

(b) There shall be 20% marks for internal assessment and 80% marks for End-semester examination in each course during every semester.

(c) *There shall be no provision for re-evaluation of the answer-scripts of the end-semester examinations. However, a candidate may apply for re-scrutiny.*

(d) *Internal Assessment:*

   (i) In internal assessment, different tools such as objective tests, written tests, assignments, paper presentation, laboratory work, etc. suitable to the courses may be employed. The Procedure for Internal Assessment is prescribed in *Annexure III.*

   (ii) The students shall be informed in advance about the nature of assessment. Students shall be required to compulsorily attend internal assessment including appearing the Sessional Tests, failing which they will not be allowed to appear for the End-semester examination. A Student cannot repeat In-semester examinations. The department may arrange special in-semester examination whenever necessary.

(e) *End Semester Examination:*

   (i) There shall be one End semester examination carrying 80% Marks in each course of a Semester covering the entire syllabus prescribed for the Course. The End semester examination is normally a written/ laboratory-based examination/Project Work/Dissertation.

   (ii) The Controller of Examinations shall make necessary arrangements for notifying the dates of the End semester examinations and other procedures as per Dibrugarh University Rules (at least 20 days in advance) and the Academic Calendar notified by the University.

   (iii) Normally, the End-semester examination for each course shall be of three hour duration.

(f) *Confidential Works:* Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks, etc. and announcement of results, shall be governed by the Dibrugarh University Examination Ordinance.

9

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

(g) The mode of the conduct of the end-semester examinations of the practical/ dissertation courses shall be partially external as below:

1. The end-semester examinations of all practical/ dissertation courses shall be conducted by a Board of Examiners consisting of the internal examiner (the concerned course teacher) and an external examiner appointed by the Controller of Examinations.

2. A student shall not be allowed to take more than one project work in a single semester.

(h) The mode of end-semester examination and evaluation of the Course shall be specified in the detailed syllabus of the Course concerned.

(i) End-semester Practical examinations shall normally be held before the theory examinations.

(k) **Betterment Examination:**

(i) A student shall be entitled to take the "betterment examinations" in any two theory courses of any of the six semesters after passing the Sixth Semester examination only once. In this case, the higher marks secured by the student shall be retained. The candidates shall have to apply for betterment examination within one year of passing the Sixth Semester examination.

(ii) No betterment shall be allowed in the practical examinations.

7. **Results and Progression:**

a) A candidate shall be declared as passed a course, provided he/ she secures-

   (i) at least 40% of marks in each Course in the End Semester Examinations.

   (ii) at least 'P' grade in the 10 point scale combining both the in-semester and End Semester Examination performance.

   (iii) There shall be no separate pass mark for Internal Assessment.

b) A candidate shall be declared as passed a semester/ programme, provided he/ she secures at least 'P' grade in the 10 point scale (given in clause   ) in all the Courses separately.

c) There may be moderation of Internal Assessment marks/End Semester marks as and when necessary.

d) The marks of In-semester examinations obtained by the candidate shall be carried over for declaring any result.

e) A candidate who fails or does not appear in one or more courses of any end semester examinations up to Sixth Semester shall be provisionally promoted to the next higher semester with the failed course as carry over course(s). Such candidates will be eligible to appear in the carry over course in the next regular examinations of those courses.

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
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Appointment of faculty for conducting sessional examinations

Estd: 1981

JORHAT KENDRIYA MAHAVIDYALAYA
KENDUGURI, JORHAT-785 010, ASSAM
Phone # 0376-2350009, e-mail: jkmprincipal@rediffmail.com, Fax # 0376-2350009
Re-accredited by NAAC with Grade B⁺⁺
Website # http/www.jorhatkendriyamahavidyalaya.in

Ref No. JKM/JHT/2nd Sessional Exam/2023/   Date: 11-04-2023

NOTICE

The following AOC's are hereby requested to conduct the B.A/B.Sc 2nd Sessional examination, 2023 as per the exam programme to be commenced from 24-04-2023 to 27-04-2023.

Sl. No.	Name of the AOC	Examination
1	Mrs. Karabi Baruah Mrs. Leena Saikia	B.A./B.Sc 2nd Sem (Regular/Backlog) Examination 2023
2	Dr. Swapnali Borah Mr. Arup Saikia	B.A./B.Sc 4th Sem (Regular/Backlog) Examination 2023
3	Mr. Bishnuram Nath Mrs. Beauty Baruah	B.A./B.Sc 6th Sem (Regular/Backlog) Examination 2023

(Dr. Dulen Saikia)
Principal
Jorhat Kendriya Mahavidyalaya

Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
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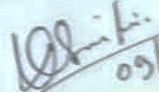## Notice for sessional examinations

JORHAT KENDRIYA MAHAVIDYALAYA

Estd.1981

Re-accredited by NAAC with grade 'B++'

KENDUGURI, JORHAT - 785 010, ASSAM

Phone # 0376-2350009, e-mail # jkmprincipal@rediffmail.com., Fax # 0376-2350009

Website : www./jorhatkendriyamahavidyalaya.in

Date:08/09/2022

Ref: JKM/ 230

NOTICE

It is hereby informed to all the students of BA/BSc 1st, 3rd &5th Semester that the 1stSessional Examination is scheduled from 15th to 17th September 2022. The examination will be conducted on online mode in the evening (6pm to 9pm) in any one of the platform like Google meet, Zoom or Microsoft team. The Student are to submit the hard copy of the answer scripts to the concerned teacher in the very next day. The question paper is of 40 marks and duration of examination is one hour thirty minutes (1 ½ hour). Students are hereby asked to communicate with the concerned HOD's of the department.

09/09/2022

(Dr Dulen Saikia)

Principal

Jorhat Kendriya Mahavidyalaya

Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat 10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Estd: 1981

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Website # http/www.jorhatkendriyamahavidyalaya.in

Ref No. JKM/JHT 2ⁿᵈ Sessional Exam/2023/   Date: 08-04-2023

NOTICE

The faculty members are hereby requested to set the question papers for both B.A/B.Sc 2ⁿᵈ Sessional examination, 2023 of their allotted papers as per the schedule to be commenced from 24ᵗʰ April to 27ᵗʰ April, 2023. The total marks of the Question paper will be of 40 marks and the time of examination is 1 hour 30 minutes.

The question paper must be submitted in soft copy format to the Controller of Examination, JKM. And the last date of submission of question paper is **18ᵗʰ April 2023**.

(Dr. Dulen Saikia)
Principal
Jorhat Kendriya Mahavidyalaya
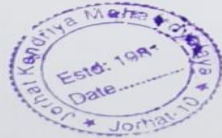
Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Estd.: 1981

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Ref No. JKM/Notice-HOD/2023/ _____   Date: 25-04-2023

NOTICE

All the HOD's are requested to ensure 100% attendance of students in the 2nd Sessional Examination 2023. Students who have not appeared in the sessional exam must appear in a separate exam **on or before 4th of May'23** on the dates decided by the departments. If they do not appear in the exam, admit card for the forthcoming Dibrugarh University End Semester Examinations will not be issued and internal assessment marks will not be assigned.

25/04/2023

(Dr. Dulen Saikia)
Principal
Jorhat Kendriya Mahavidyalaya

Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

JORHAT KENDRIYA MAHAVIDYALAYA

Estd.1981

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KENDUGURI, JORHAT - 785 010, ASSAM

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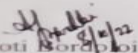
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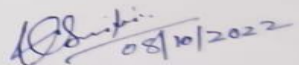
Ref :JKM/ BOE/ JKM 2022) 01   Date:08/10/2022

NOTICE

It is a general information for the HOD's Arts & Science Stream that we are going to arrange the second sessional examination like the university exam's and for that we need to arrange seat plan for the examination. So all the "HOD's" are requested to provide the information of their student's in different paper's on or before 10th October 2022.

Amarjyoti Borah   Dr Ananta Namule   08/10/2022
                                                                Dr Dulen Saikia
Controller of Exam   Asstt Controller of Exam   Principal

Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
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Affiliated by Dibrugarh University

Examination schedule

Revised

Examination Routine for 1st Sessional Examination(Online mode)

Time : 7PM to 9PM

Date	BA/BSc 1st Semester	BA/BSc 3rd Semester	BA/BSc5th Semester
15-09-2022	AECC-1 Communicative Eng	C 5	C 11
16-09-2002	GE (All Subjects)	GE (All Subjects)	DSE1
19-09-2022	AE CC-II Mil / Alt Eng	C 6	C 12
20-09-2021	C 1	SEC (All Subject)	DSE 2
21-09-2021	C 2	C 7	

10/09/2022

(Dr Dulen Saikia)

Principal

Jorhat Kendriya Mahavidyalaya

Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
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PROGRAMME FOR 2ND SESSIONAL EXAM-2022
B.A/BSc 1st , 3rd & 5th Semester and HS-I & HS-II(Unit Test)

DATE	MORNING SHIFT 9 AM to 10:30 AM	MIDDLE SHIFT 11:30 AM to 1 PM	AFTERNOON SHIFT 2PM- 2:30 PM
7-11-22 MONDAY	I SEM – AECC-I	III -SEM C5 (ALL MAJOR) H.S-I GEO/BIO	V SEM C11 H.S II – GEO/CHE
9-11-22 WEDNESDAY	I SEM- AECC-II ASM / ALT ENG H.S I-HIS/PHY	III- SEM C6(ALL MAJOR) H.S I- PHIL/ MATHS	V- SEM C12 H.S-II ECO/PHY
10-11-22 THURSDAY	1 SEM C1 ALL MAJOR H.S I-PSC/STATS	III –SEM C7(ALL MAJOR)	V -SEM DSE-I H.S-II SOC/ BIO
12-11-22 SATURDAY	I SEM ALL GE H.S-I – EDN/ CHE	III-SEM -TTMG/ NSS LIB SC/ VERMICOM(SEC) H.S-I-ECO	V -SEM –DSE-2 H.S II PSC/MATHS
14-11-22 MONDAY	1 SEM C2 ALL MAJOR H.S-I –ASM/ ALT ENG	H.S –II ENG III- SEM (ALL GE)	
15-11-22 TUESDAY	H.S-I-ENG H.S-II - PHI	H.S-II MIL/ALT.ENG	
16-11-22 WEDNESDAY	H.S-I – SOC , H.S II EDN/STATS	H.S-II-HIS	

*Result Declaration Date-27-11-2022 at 12 Noon

(Dr Dulen Saikia
Principal
Jorhat Kendriya Mahavidyala

Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat 10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

EXAM PROGRAMME
2nd Sessional Exam 2023
B.A./B.Sc. 2nd/4th/6th Semester

Day & Date	9.00 AM to 10.30 AM	11.00 AM to 12.30 PM	1.00 PM to 2.30 PM
24-04-2023	6th Sem (All honours) –C13	4th Sem (All honours) – C8	2nd Sem (All honours) – C3
25-04-2023	4th Sem (All honours) – C9	6th Sem (All honours) – C14	2nd Sem –all honours C4
26-04-2023	4th Sem All honours – C10 6th Sem All honours – DSE1	2nd Sem BA/BSC GE	2nd Sem (ACC3)
27-04-2023	BA/BSC 4th SEM GE	6th Sem DSE-2 (all Honours)	4th Sem SEC 4.

Principal, JKM

Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

EXAMINATION PROGRAMME
JORHAT KENDRIYA MAHAVIDYALAYA

1st Sessional Exam 2023
B.A./B.Sc. 2ND/ 4TH/ 6TH Semester

Day & Date	9.00 AM to 10.30 AM	11.00 AM to 12.30 PM	1.00 PM to 2.30 PM	3.00 PM to 4.30 PM
02-03-2023	All Major 6th Semester (C13)	All Major 2nd Semester (C3)		
03-03-2023	All Major 6th Semester (C14)	All Major 2nd Semester (C4)	All Major 4th Semester (C8)	All GE (4th Semester)
04-03-2023	All Major 6th Semester (DSE1)		All Major 4th Semester (C9)	All GE (2nd Semester)
06-03-2023	All Major 6th Semester (DSE2)		All Major 4th Semester (C10)	

All the HODs are requested to make departmental arrangement to conduct the 1st Sessional Examination as per the given programme.

27/2/23
Controller of Examination

27/02/2023
(Dr. Dulen Saikia)
Principal, JKM

Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

EXAM PROGRAMME
2nd Sessional Exam 2023
B.A./B.Sc. 2nd/4th/6th Semester

Day & Date	9.00 AM to 10.30 AM	11.00 AM to 12.30 PM	1.00 PM to 2.30 PM
24-04-2023	6th Sem (All honours) –C13	4th Sem (All honours) – C8	2nd Sem (All honours) – C3
25-04-2023	4th Sem (All honours) – C9	6th Sem (All honours) – C14	2nd Sem –all honours C4
26-04-2023	4th Sem All honours – C10 6th Sem All honours – DSE1	2nd Sem BA/BSC GE	2nd Sem (ACC3)
27-04-2023	BA/BSC 4th SEM GE	6th Sem DSE-2 (all Honours)	4th Sem SEC 4.

Principal, JKM

Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

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Question Paper Samples

2ND. SESSIONAL EXAMINATION –2023
B.Sc. 4th Semester
STATISTICS (Core)
Paper : E—7 403
Course: Statistical Quality Control

Full Marks : 40   Time : 2 hours

1. (a) What is meant by Process Control in industrial statistics ?   4
    (b) What is control chart ? Explain the basic principles underlying the control charts. 2+4 =6
    © Explain the justification for using the 3 – sigma control limits.   5
2. (a) What do you understand by Control chart for Fraction defective ? Explain its construction. 4+6= 10
    (b) Explain the usefulness of R- Chart.   5
3. Describe Simple Sampling plan . Obtain OC and AOQ Curve for this plan.   4+6 =10

2ND. SESSIONAL EXAMINATION –2023
B.Sc. 4th Semester
STATISTICS (GE)
Paper : GE-4
Course: Basics of Statistical Inferance

Full Marks : 40   Time : 2 hours

(a)   Define Level of significance.   3
(b)   Define Null and Alternative hypothesis. What are the two types of error in testing
        of hypothesis ? Explain it.   4+ 3 = 7
(a) Define Categorical data with examples.   4
(b) Describe how Chi-square can be used as a goodness of fit. 6
    3.   Describe the Sign test for Median.   6
    4. (a) Explain the basic principles of design of experiments.   5
       (b) State the basic assumptions in analysis of variance.   4
       © Give the analysis of Completely Randomized Design.   5

4

1st sessional examination 2023
B.Sc 2nd semester
Statistics (Core)
Paper STAT-C-201

Full markes 40   Time: 1½ hr

1) Write Short Notes are
   i)Random Experiment   5X5=25
   ii)Sample Space
   iii)Discrete and Continuous random variable
   iv)Expectation of single random variable

2) What is the Binomial Distribution? Find Mean and Variance of this distribution.
   3+3+5

3) Write the properties of discrete random variable   4

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

2nd sessional examination 2022

B.sc 3rd semester (core)

Subject: Mathematics

Paper C-7

Full markes40   Time: 1 ½ hrs

1. (a) Write the general form of two dimensional heat equation.   1

   (b) Write the equation $3\frac{d^2x}{dt^2} + 6\frac{dx}{dt} - x = t^2$ in normal form .   1

   (c) Write the condition when the equation   1
   $Rr + Ss + Tt + f(x, y, z, p, q) = 0$ is parabolic.

   (d) Determine the nature of the equation $\frac{\partial^2 z}{\partial x^2} = x^2 \frac{\partial^2 z}{\partial y^2}$ 2

2.(a)Reduce the equation $\frac{\partial^2 z}{\partial x^2} + x^2 \frac{\partial^2 z}{\partial y^2} = 0$ to canonical form.   7

   (b)Solve one dimensional heat equation by the method of separation   7
   of variables.

   (c) Derive one dimensional wave equation by the method of separation of
   variables.

   $\qquad\qquad$ Or   7

   Solve two dimensional heat equations by the method of separation of variables.

3(a) Solve the system of differential equations

   $\frac{dx}{dt} = 7x + y$ $\qquad\qquad$ $\frac{dy}{dt} = -4x + 3y$ 7

   $\qquad\qquad$ Or

   Find the general solution of the system of differential equations

   $\frac{dx}{dt} = -3x - 2y$ $\qquad\qquad$ $\frac{dy}{dt} = 5x - y$

   (b)Using the method of separation of variables, find the solution of
   $\frac{\partial u}{\partial x} + u = \frac{\partial u}{\partial t}$ if $u = 4e^{-3x}$ when $t = 0$ 7

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Principal

FIRST SESSIONAL EXAMINATION 2023

SOCIOLOGY (6th Semester)

DSE-09

SOCIETIES IN NORTH-EAST INDIA

Full Marks: 40   Time: 1-30 hrs

Answer the following questions   10x4=40

a) Give a brief idea on North-East India.
b) Discuss in brief the Socio-Demographic structure in North-East India.
c) Impact of Globalization on the Society of North-East India
d) Write a short note on the growth of nationalism in the Assamese society.

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Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

2nd Sessional Exam 2022

Sociology

Core Course: DSE -01

Urban Sociology

Marks: 40   Time: 1 1 / 2 hr

A. Answer any four questions from the following.   10 X 4 = 40

1. What is Urban Sociology? Discuss its nature and scope. 3 + 7 = 10

2. In what manner does urbanism get reflected as a way of life? Discuss in the light of Louis Wirth's definition of the city.   5 + 5 = 10

3. What is Ecology? Discuss the development of social ecology and also mention it is Indian context? 3 + 7 = 10

4. Write about characteristics of Information age.   10

5. Discuss about the migration of people from rural areas to urban areas with the problems and opportunities in the settlement areas. 10

6. What do you mean by Slum? Discuss the environmental problems occur in the slum areas with special reference to the slum areas of India.   10

1st Sessional Examination, 2023
6TH Semester
Paper Code: 113
(History of India VIII)

Full Marks: 40

Time: 2 hours

1.Very short type:4x1=4

i..Where the ChouriCHoura incident took place?

ii. In which year Muslim League founded?

iii. Who founded the Indian National Congress?

iv.What is the full form of RSS?

2.Short note:4x3=12

i.Rowlatt Act

ii. Muslim League

iii.Allan Octavian Hume

iv. RSS

Essay type questions:

3.Revolutionary enlightenment.

or

Write briefly about the Non-cooperation movement.

4.Growth of communalism in the British India.

or

Discuss about the formation of Indian National Congress.

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

2nd Sessional Exam.2022

B.Sc 3rd Sem

ZOOLOGY (GE)

Paper GE - 3

Human Physiology

Full Marks :- 40

Q1. Fill in the blanks: 1×4=4

   i)   Gastric juice is a unique combination of hydrochloric acid, lipase and ------.
   ii)   The joining part between the muscle and bone is known as --------.
   iii) The tube that connects the throat and bronchi is ----------.
   iv) Duct of Bellini opens on ----------.

Q2. Distinguish between: 2×3=6

   a) Myelinated and Non-myelinated nerve fibre.
   b) Spermatogenesis and oogenesis.
   c) External and internal respiration.

Q3. Write short notes on: (Any three)   3×3=9

   a) Structure of Neuron.
   b) ECG
   c) Thyroid gland
   d) Adrenal gland.
   e) Gastro intestinal hormones.

Q4.Describe the process of digestion and absorption of carbohydrate.   3+4=7

Q5. Briefly describe about the structure of human heart with diagram.   5+2=7

Q6. What is ventilation? How CO_2 And O_2 transported in blood.   1+3+3=7

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

2nd Sessional Exam.2022

B.Sc 5th Sem

ZOOLOGY (H)

Paper C12

Principles of Genetics

Full Marks :- 40

Q.A. Fill in the blanks   1×4=4

1. SRY Genes is found on the _____ chromosome.
2. Crossing over occurs during _____ stage of meiosis.
3. Genotypic ratio in F1 generation of monohybrid cross is _____.
4. Transposable elements are also known as _____.

Q.B. Write short notes on (Any three)   3×3=9

1. Epistasis
2. Multiple alleles
3. Transposons
4. Bacteriophage
5. Gene mutation

Q.C. Answer the following questions (Any three)

1) What is sex Determination. Describe the process of Sex determination in Drosophila.

OR   1+8=9

What do you mean by bacterial recombination. Describe different types of bacterial recombination with diagram.   1+5+3=9

2) What is Gene Mutation. Write a note on chromosomal aberrations.   1+8=9

OR

Define crossing over .write a brief note on linkage and also distinguish between linkage and crossing over.   1+4+4=9

5) Write a note on extra chromosomal inheritance.   9

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Duty List of invigilators

JORHAT KENDRIYA MAHAVIDYALAYA
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Re-accredited by NAAC with Grade B"
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INVIGILATOR DUTY LIST B.A. /B.Sc. 2ᴺᴰ SESSIONAL EXAM. 2023. 2nd/4th/6th Sem

Sl.No	Name of the Emp.	09.00-10.30				11.00 - 12.30				01.00 - 02.30				Signature
		174+66 =240	196+99 =260	264	257	244	240	352	240	284+49 233	333	333	250	
		24/4/23	25/4/23	26/4/23	27/4/23	24/4/23	25/4/23	26/4/23	27/4/23	24/4/23	25/4/23	26/4/23	27/4/23	
1.	Mrs. Nibedita Baruah								P					
2.	Mrs. Minakshi Borah		P	P	P					X	P			
3.	Ms. Imon Das	P		P							P			
4.	Dr. Gayatri Chutia		P	P	P						P			
5.	Ms. Bhagyashree Shyam		P	P							P		P	
6.	Dr. Pinky Saikia		P	P	P						P			
7.	Ms. Sabina Begum		P	P									P	
8.	Dr. Pallabi Mali			P	P							P		
9.	Mrs. Purabi Kalita	P		P							P	P		
10.	Dr. Rajen Borah			P	P							P		
11.	Mrs. Moonmoni Borkoch	P		P		P						P		
12.	Mr. Nripen Saikia		P	P	P		P					P		
13.	Sri Arpan Saikia	P		P	P		P					P		
14.	Sri Pranjal Dutta						P					P	P	
15.	Dr. Arunima Borah			P			P					P		
16.	Ms. Ratnamoni Dutta			P	P		P					P		
17.	Ms. Priyanka Borah	P					P		P			P		
18.	Ms. Chinthiya Borah	P					P		P			P		
19.	Ms. Puja Das	P					P		P			P		
20.	Ms. Bonnya Phukan	P					P					P		
21.	Ms. Manashi Baruah		P			P		P				P		
22.	Mrs. Sangeeta Adhyapak					P		P						
23.	Mr. Ashim Swargiyari		P					P	P	P				
24.	Mr. Arup Kr. Mahanta		P					P	P	P				
25.	Ms. Pallabi Hazarika			P				P	P	P			P	
26.	Mrs. Urmimala Bordoloi			P				P	P	P				
27.	Ms. Porinita Baruah			P				P	P	P				
28.	Ms. Jyoti Sikha Borah			P				P	P	P				
29.	Mr. Binod Kr. Hazarika			P				P	P	P				
30.	Dr. Panchali Bharali			P				P	P		P			
31.	Dr. Sanhita Sharma			P					P		P			
32.	Mrs. Sewali Hazarika													
33.	Sri Rajib Bordoloi			P					P		P			
34.	Mrs. Dipty Borah Bhuyan			P					P		P			
35.	Ms. Parishmita Borah						P		P		P			
36.	Ms. Arpona Saikia						P			P			P	
37.	Mr. Bonjit Bondon Buragohain		P				P						P	
38.	Ms. Sewali Saikia		P				P						P	
39.	Ms. Pinaki Hazarika		P				P						P	
40.	Ms. Rashmi Rekha Borah		P				P						P	
41.	Ms. Khushboo Agarwal												P	
42.	Mr. Someswar Borah													
43.	Dr. Panchali Karmakar		P				P						P	
44.	Dr. Trisha Rajguru		P				P						P	
45.	Ms. Armina Rahman		P				P						P	
46.	Mr. Bibek Sharma						P						P	
47.	Amarjyoti Bordoloi	P					P							
48.	Ananta Tamuli	P			P	P								
49.														
50.														

Dr. Dulen Saikia
Principal & Secretary
Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Date :- 25-04-2023   2nd Semester
Sub :- C4
Time : 1 PM — 2-30 PM.

SL No	Name of the Invisilators	Time	Sign.
01	Ms Minakshi Borah		
02	Ms Imon Das		
03	Ms Gayatri Chutia		
04	Ms Bhagyashri Shyan		
05	Ms Pinky Sailia		
06	Ms Purabi Kalita		
07	Dr Panchali Bharali		
08	Dr Sanhita Sarmah		
09	Mr Rajib Bordoloi		
10	Ms Dipti Bora Bhuyan		
11	Ms Parishmita Bora		
12	Ms Urmimala Bordoloi		

Grade IV

① Bashab Bora

Date: 26/04/2023   2nd Semester
Sub: GE
Time: 11 AM – 12·30 PM

SL No	Name of the Invigilators	Time	Room No	Remarks
01	Ms Sangita Adhyapak			
02	Mr Ashim Swargiyari			
03	Ms Parishmita Bora			
04	Ms Alpana Saikia			
05	Mr Banjit Bondan Buragohain			
06	Ms Sewali Saikia			
07	Ms Pinaki Hazarika			
08	Ms Rashmirekha Borah			
09	Dr Panchali Karmakar			
10	Dr Trisha Rajguru			
11	Ms Armina Rahman			
12	Mr Bibek Saimal			
13	Mr Amar Jyoti Bordoloi			
14	Ananta Tamuli			

Grade- IV.
1. Uma Dutta

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Sample copies of sessional examinations evaluated scripts

18/30

Examination: 1st Sessional examination
Name: Sujit Kumar
Roll No: 35
Class: BSc 1st Sem Botany
Subject: Organic farming
Stream: Science
Year: 2022   Date: 16-10-2023

PBhanti
16/10/2022

1. ⇒ (b) Organic farming is a system which avoids use of synthetic inputs like fertilizers, pesticides and harmones

2. ⇒ (c) IFOAM full form is international federation of organic Agriculture Movements.

3. ⇒ (b) 1972

4. ⇒ (d) All of the above ✗

5. ⇒ (c) Both a and b ✗

6. ⇒ (b) insoluble minerals

7. ⇒ (c) it is an organs ongoing process

Examination: 1st Sessional

Name: Semali Bora

Roll No: 136

Class: B.A 5th sem.

Subject: C-12 (history)

Stream: Arts

Year: 2023 Date: 8.9.23

26/40

Examination: Sessional Exam.-2022

Name: Kaushiek Dutta

Roll No: 29

Class: B. Sc 5th Semester

Subject: C - 11

Stream: Science (Physics)

Year: 2022   Date: 15/09/2022

Dibrugarh 15/09/22

$\frac{17}{26}$

③

Ans to Q. no 1 :-

a) Zeeman effect :- Zeeman effect is a magneto-optical phenomenon discovered by zeeman in 1896. He observed that if a source of light producing line spectrum is placed in a magnetic field, the spectral lines are split up into components. When the splitting occurs into two or three lines it is called normal zeeman effect. The spliting of a spectral line into more than three components in ordinary weak magnetic fields is called anamolous zeeman effect.

ⓑ Stark effect :- The stark effect is the shifting and splitting of spectral lines of atoms and molecules due to the presence of an external electrical field.

Ans to Q. no 3 :-

a) The quantity that characterises the de-Broglie waves is called the wave function. It is denoted by ψ. It may be a complex function.

let us assume that ψ is specified in the x-direction by

$$\psi = Ae^{-i\omega(t - x/v)} \rightarrow ①$$

⑤

If ν is the frequency, then $\omega = 2\pi\nu$ and $\upsilon = \nu\lambda$

$$\therefore \psi = Ae^{-2\pi i\left(\nu t - x/\lambda\right)} \rightarrow \text{②}$$

Let E be the total energy and P the momentum of the particle. Then $E = h\nu$ and $\lambda = h/P$

$$\psi = Ae^{-(2\pi i/h)(Et - Px)} \rightarrow \text{③}$$

Eqn ③ is a mathematical description of the wave equivalent of an unrestricted particle of total energy E and momentum P moving in the +ve x-direction

Diff. eqn ③ w.r.t x

$$\frac{\partial^2 \psi}{\partial x^2} = -\frac{4\pi^2 p^2}{h^2}\psi \rightarrow \text{④}$$

Diff. eqn ③ w.r.t 't'

$$\frac{\partial \psi}{\partial t} = -\frac{2\pi i E}{h}\psi \rightarrow \text{⑤}$$

At speeds small compared with that of light the total energy E of a particle is the sum of its KE $p^2/2m$ and its potential energy V.

$$\therefore E = \frac{P^2}{2m} + V \rightarrow \text{⑥}$$

Multiplying both sides of eqn ⑥

$$E\psi = \frac{P^2\psi}{2m} + V\psi \rightarrow \text{⑦}$$

⑥

From eqn ⑤ and ⑥

$$E\psi = -\frac{\hbar}{2\pi i}\frac{\partial \psi}{\partial t} \rightarrow ⑧$$

$$\Rightarrow p^2\psi = -\frac{\hbar^2}{4\pi^2}\frac{\partial^2 \psi}{\partial x^2} \rightarrow ⑨$$

Substituting these exp for $E\psi$ and $p^2\psi$ into eqn ⑦

$$-\frac{\hbar}{2\pi i}\frac{\partial \psi}{\partial t} = -\frac{\hbar^2}{8\pi^2 m}\frac{\partial^2 \psi}{\partial x^2} + V\psi$$

$$\Rightarrow \frac{-i\hbar}{2\pi}\frac{\partial \psi}{\partial t} = -\frac{\hbar^2}{8\pi^2 m}\frac{\partial^2 \psi}{\partial x^2} + V\psi \rightarrow ⑩$$

It is the time dependent form of Schrodinger eqn.

⑥ The Schrodinger wave eqn is linear and homogeneous in ψ and its derivatives that is why if any soln of it be multiplied by a constant than the resulting wave funct^n will also be a soln. To avoid the arbitaryless it is necessary to to impose normalisation condition.

let,

$$\psi_1(x,t) = N\psi(x,t)$$

where, ψ_1 is normalised while ψ is not normalised both ψ_1 and ψ are solution of Schrodinger eqn then

$$\int_{-\infty}^{+\infty} \psi_1^*(x,t)\cdot\psi_1(x,t)\,dx = N^2$$

$$\Rightarrow \int_{-\infty}^{+\infty} N^2\,\psi^*(x,t)\,\psi(x,t)\,dx = N^2$$

⑦

$$\Rightarrow \int_{-\infty}^{+\infty} \psi^*(x,t)\, \psi(x,t)\, dx = 1$$

$$\Rightarrow \int_{-\infty}^{\infty} |\psi|^2\, dx = 1.$$

For 3-D the condition of normalization is

$$\int_{-\infty}^{\infty} |\psi(x,t)|^2\, d^3x = 1$$

Ans to Q. no 2:-

For a potential of types given by $V(x) = -\frac{c^2}{4\pi\varepsilon_0 x}$, it is convenient to use the spherical polar coordinates (r, α, ϕ).

The cartesian coordinates are related to the spherical polar coordinates

$$x = r\sin\alpha\cos\phi \rightarrow \text{①}$$
$$y = r\sin\alpha\sin\phi \rightarrow \text{②}$$
$$z = r\cos\alpha \rightarrow \text{③}$$
$$x^2 + y^2 + z^2 = r^2 \rightarrow \text{④}$$

The inverse relations are

$$r = \sqrt{x^2 + y^2 + z^2} \rightarrow \text{⑤}$$
$$\cos\alpha = z/r \rightarrow \text{⑥}$$
$$\tan\phi = y/x \rightarrow \text{⑦}$$

⑧

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The space derivatives $\frac{\partial^2}{\partial x^2}, \frac{\partial^2}{\partial y^2}$ and $\frac{\partial^2}{\partial z^2}$ in cartesian coordinates can be converted to spherical polar coordinates using the chain rule of partial differentiation

$$\frac{\partial \psi}{\partial x} = \frac{\partial \psi}{\partial r}\frac{\partial r}{\partial x} + \frac{\partial \psi}{\partial \theta}\frac{\partial \theta}{\partial x} + \frac{\partial \psi}{\partial \phi}\frac{\partial \phi}{\partial x} \rightarrow \text{(8)}$$

Diff^n eqn (5) w.r.t. x, y, z

$$2r\frac{\partial r}{\partial x} = 2x$$

$$\Rightarrow \frac{\partial r}{\partial x} = \frac{x}{r} = \frac{r\sin\theta\cos\phi}{r} = \sin\theta\cos\phi \rightarrow \text{(9)}$$

Similarly, $\frac{\partial r}{\partial y} = \frac{y}{r} = \frac{r\sin\theta\sin\phi}{r} = \sin\theta\sin\phi \rightarrow \text{(10)}$

and $\frac{\partial r}{\partial z} = \frac{z}{r} = \frac{r\cos\theta}{r} = \cos\theta \rightarrow \text{(11)}$

Diff^n eqn (6) w.r.t. x

$$-\sin\theta\frac{\partial \theta}{\partial x} = -\frac{z}{r^2}\frac{\partial r}{\partial x}$$

$$= -\frac{r\cos\theta\sin\theta\cos\phi}{r^2}$$

$$\Rightarrow \frac{\partial \theta}{\partial x} = \frac{r\cos\theta\sin\theta\cos\phi}{r^2\sin\theta}$$

$$= \frac{\cos\theta\cos\phi}{r} \qquad . \rightarrow \text{(12)}$$

Similarly,

$$\frac{\partial \theta}{\partial y} = \frac{\cos\theta\sin\phi}{r} \rightarrow \text{(13)}$$

$$\frac{\partial \theta}{\partial z} = -\frac{\sin\theta}{r} \rightarrow \text{(14)}$$

(9)

Diff^n eqn ⑦ w.r.t x

$$\sec^2\phi \, \frac{\partial \phi}{\partial x} = -\frac{y}{x^2}$$

$$= -\frac{r\sin\theta \sin\phi}{(r\sin\theta \cos\phi)^2}$$

$$\Rightarrow \frac{\partial\phi}{\partial x} = \frac{r\sin\theta \sin\phi}{-(r\sin\theta \cos\phi)^2 \sec^2\phi}$$

$$= -\frac{\sin\phi}{r\sin\theta} \qquad \rightarrow ⑮$$

Similarly,

$$\frac{\partial\phi}{\partial y} = \frac{\cos\phi}{r\sin\theta} \qquad \rightarrow ⑯$$

$$\frac{\partial\phi}{\partial z} = 0 \qquad \rightarrow ⑰$$

Substituting the values from eqn ⑦, ⑫ and ⑮ and in eqn ⑧

$$\frac{\partial \psi}{\partial x} = \sin\theta \cos\phi \, \frac{\partial \psi}{\partial x} + \frac{\cos\theta \cos\phi}{r} \frac{\partial \psi}{\partial \theta} - \frac{\sin\phi}{r\sin\theta}\frac{\partial \psi}{\partial \phi}$$

$$= \left[\sin\theta\cos\phi \frac{\partial}{\partial r} + \frac{\cos\theta \cos\phi}{r}\frac{\partial}{\partial \theta} - \frac{\sin\phi}{r\sin\theta}\frac{\partial}{\partial\phi} \right]\psi$$

$$\Rightarrow \frac{\partial}{\partial x} = \sin\theta\cos\phi \frac{\partial}{\partial r} + \frac{\cos\theta\cos\phi}{r}\frac{\partial}{\partial\theta} - \frac{\sin\phi}{r\sin\theta}\frac{\partial}{\partial\phi} \rightarrow ⑱$$

Diff^n w.r.t y and z

$$\frac{\partial}{\partial y} = \sin\theta\sin\phi \frac{\partial}{\partial x} + \frac{\cos\theta\sin\phi}{r}\frac{\partial}{\partial\theta} + \frac{\cos\phi}{r\sin\theta}\frac{\partial}{\partial\phi} \rightarrow ⑲$$

$$\frac{\partial}{\partial z} = \cos\theta \frac{\partial}{\partial r} - \frac{\sin\theta}{r}\frac{\partial}{\partial\theta} \rightarrow ⑳$$

⑩

The second order derivatives $\frac{\partial^2}{\partial x^2}$, $\frac{\partial^2}{\partial y^2}$ and $\frac{\partial^2}{\partial z^2}$ can be computed as

$$\frac{\partial^2 \psi}{\partial x^2} = \frac{\partial}{\partial x}\left(\frac{\partial \psi}{\partial x}\right) = \frac{\partial}{\partial r}\left(\frac{\partial \psi}{\partial x}\right)\frac{\partial r}{\partial x} + \frac{\partial}{\partial \theta}\left(\frac{\partial \psi}{\partial x}\right)\frac{\partial \theta}{\partial x} + \frac{\partial}{\partial \phi}\left(\frac{\partial \psi}{\partial x}\right)\frac{\partial \phi}{\partial x}$$

Substituting the values of $\frac{\partial r}{\partial x}$, $\frac{\partial \theta}{\partial x}$ and $\frac{\partial \phi}{\partial x}$ from eqn (9), (12) and (15)

$$= \sin\theta\cos\phi\,\frac{\partial}{\partial r}\left(\frac{\partial \psi}{\partial x}\right) + \frac{\cos\theta\cos\phi}{r}\,\frac{\partial}{\partial \theta}\left(\frac{\partial \psi}{\partial x}\right) - \frac{\sin\phi}{r\sin\theta}\,\frac{\partial}{\partial \phi}\left(\frac{\partial \psi}{\partial x}\right)$$

Substituting the values of $\frac{\partial \psi}{\partial x}$ from eqn (8)

$$\frac{\partial^2 \psi}{\partial x^2} = \sin\theta\cos\phi\,\frac{\partial}{\partial r}\left(\sin\theta\cos\phi\,\frac{\partial \psi}{\partial r} + \frac{\cos\theta\cos\phi}{r}\,\frac{\partial \psi}{\partial \theta} - \frac{\sin\phi}{r\sin\theta}\,\frac{\partial \psi}{\partial \phi}\right)$$

$$+ \frac{\cos\theta\cos\phi}{r^3}\,\frac{\partial}{\partial \theta}\left(\sin\theta\cos\phi\,\frac{\partial \psi}{\partial r} + \frac{\cos\theta\cos\phi}{r}\,\frac{\partial \psi}{\partial \theta} - \frac{\sin\phi}{r\sin\theta}\,\frac{\partial \psi}{\partial \phi}\right)$$

$$- \frac{\sin\phi}{r\sin\theta}\,\frac{\partial}{\partial \phi}\left(\sin\theta\cos\phi\,\frac{\partial \psi}{\partial r} + \frac{\cos\theta\cos\phi}{r}\,\frac{\partial \psi}{\partial \theta} - \frac{\sin\phi}{r\sin\theta}\,\frac{\partial \psi}{\partial \phi}\right) \rightarrow (17)$$

Similarly,

$$\frac{\partial^2 \psi}{\partial y^2} = \frac{\partial}{\partial y}\left(\frac{\partial \psi}{\partial y}\right) = \frac{\partial}{\partial r}\left(\frac{\partial \psi}{\partial y}\right)\frac{\partial r}{\partial y} + \frac{\partial}{\partial \theta}\left(\frac{\partial \psi}{\partial y}\right)\frac{\partial \theta}{\partial y} + \frac{\partial}{\partial \phi}\left(\frac{\partial \psi}{\partial y}\right)\frac{\partial \phi}{\partial y}$$

$$\Rightarrow \frac{\partial^2 \psi}{\partial y^2} = \sin\theta\sin\phi\,\frac{\partial}{\partial r}\left(\frac{\partial \psi}{\partial y}\right) + \frac{\cos\theta\sin\phi}{r}\,\frac{\partial}{\partial \theta}\left(\frac{\partial \psi}{\partial y}\right) + \frac{\cos\phi}{r\sin\theta}\,\frac{\partial}{\partial \phi}\left(\frac{\partial \psi}{\partial y}\right)$$

Substituting the values of $\frac{\partial \psi}{\partial y}$ from eqn (19)

(11)

$$\frac{\partial^2 \psi}{\partial y^2} = \sin\alpha \sin\phi \frac{\partial}{\partial r}$$

$$\frac{\partial^2 \psi}{\partial y^2} = \sin^2\alpha \sin^2\phi \frac{\partial^2 \psi}{\partial r^2} + \sin\alpha \cos\alpha \sin^2\phi \frac{\partial}{\partial r}\left(\frac{1}{r}\frac{\partial \psi}{\partial \alpha}\right) + \sin\phi \cos\phi$$

$$\frac{\partial}{\partial r}\left(\frac{1}{r}\frac{\partial \psi}{\partial \phi}\right) + \frac{\cos\alpha \sin^2\phi}{r} \frac{\partial}{\partial \alpha}\left(\sin\alpha \frac{\partial \psi}{\partial r}\right) + \frac{\cos\alpha \sin^2\phi}{r^2}\frac{\partial}{\partial \alpha}\left(\cos\alpha \frac{\partial \psi}{\partial \alpha}\right)$$

$$+ \frac{\cos\alpha \cos\phi \sin\phi}{r^2}\frac{\partial}{\partial \alpha}\left(\frac{1}{\sin\alpha}\frac{\partial \psi}{\partial \phi}\right) + \frac{\cos\phi}{r}\frac{\partial}{\partial \phi}\left(\sin\phi \frac{\partial \psi}{\partial r}\right)$$

$$+ \frac{\cos\phi \cos\alpha}{r^2}\cdot\frac{\partial}{\partial \alpha}\left(\sin\phi \frac{\partial \psi}{\partial \alpha}\right) + \frac{\cos\phi}{r^2 \sin^2\alpha}\frac{\partial}{\partial \phi}\left(\cos\phi \frac{\partial \psi}{\partial \phi}\right) \to \text{②②}$$

Similarly,
$$\frac{\partial^2 \psi}{\partial z^2} = \frac{\partial}{\partial z}\left(\frac{\partial \psi}{\partial z}\right)$$

$$= \frac{\partial}{\partial r}\left(\frac{\partial \psi}{\partial z}\right)\frac{\partial r}{\partial z} + \frac{\partial}{\partial \alpha}\left(\frac{\partial \psi}{\partial z}\right)\frac{\partial \alpha}{\partial z} + \frac{\partial}{\partial \phi}\left(\frac{\partial \psi}{\partial z}\right)\frac{\partial \phi}{\partial z}$$

Substituting the values of $\frac{\partial r}{\partial z}$, $\frac{\partial \alpha}{\partial z}$ and $\frac{\partial \phi}{\partial z}$ from eqn ⑪, ⑭ and ⑰

$$\frac{\partial^2 \psi}{\partial z^2} = \cos\alpha \frac{\partial}{\partial r}\left(\frac{\partial \psi}{\partial z}\right) - \frac{\sin\alpha}{r}\frac{\partial}{\partial \alpha}\left(\frac{\partial \psi}{\partial z}\right)$$

Substituting the values of $\frac{\partial \psi}{\partial z}$ from eqn ⑳

$$\frac{\partial^2 \psi}{\partial z^2} = \cos\alpha \frac{\partial}{\partial r}\left(\cos\alpha \frac{\partial \psi}{\partial r} - \frac{\sin\alpha}{r}\frac{\partial \psi}{\partial \alpha}\right) - \frac{\sin\alpha}{r}$$

$$\frac{\partial}{\partial \alpha}\left(\cos\alpha \frac{\partial \psi}{\partial r} - \frac{\sin\alpha}{r}\frac{\partial \psi}{\partial \alpha}\right)$$

$$\frac{\partial^2 \psi}{\partial z^2} = \cos^2\alpha \frac{\partial^2 \psi}{\partial r^2} - \sin\alpha \cos\alpha \frac{\partial}{\partial r}\left(\frac{1}{r}\frac{\partial \psi}{\partial \alpha}\right) - \frac{\sin\alpha}{r}\frac{\partial}{\partial \alpha}\left(\cos\alpha \frac{\partial \psi}{\partial r}\right)$$

$$+ \frac{\sin\alpha}{r^2}\frac{\partial}{\partial \alpha}\left(\sin\alpha \frac{\partial \psi}{\partial \alpha}\right)$$

⑫

Adding eqn ㉑ , ㉒ and ㉓

$$\Rightarrow \nabla^2 \psi = \frac{\partial^2 \psi}{\partial r^2} + \frac{2}{r}\frac{\partial \psi}{\partial r} + \frac{1}{r^2}\frac{\partial^2 \psi}{\partial \theta^2} + \frac{\cot \theta}{r^2}\frac{\partial \psi}{\partial \theta} + \frac{1}{r^2 \sin^2\theta}\frac{\partial^2 \psi}{\partial \phi^2}$$

Substituting in eqn ㉓

$$\Rightarrow \frac{1}{r^2}\frac{\partial}{\partial r}\left(r^2 \frac{\partial \psi}{\partial r}\right) + \frac{1}{r^2 \sin\theta}\frac{\partial}{\partial \theta}\left(\sin\theta \frac{\partial \psi}{\partial \theta}\right) + \frac{1}{r^2 \sin^2\theta}\frac{\partial^2 \psi}{\partial \phi^2}$$

$$+ \frac{2m}{\hbar^2}(E-V)\psi = 0 \rightarrow ㉔$$

This is the Schrodinger eqn in spherical polar coordinates

Ans to Q.no 4:- Larmor precession is the precession of the magnetic moment of an object about an external magnetic field.

Sessional exam marks display

Department of Botany
JORHAT KENDRIYA MAHAVIDYALAYA
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1st Sessional Results
Session 2022-23 (Even)
2nd Semester (Core)

Total Mark:-40

Sl. no	Roll no	Student names	C3	C4
1.	03	Akash Jyoti Boruah	27	33
2.	05	Rishiraj Saikia	27	21
3.	08	Biplob Hazarika	20	18
4.	15	Bijit Gogoi	25	19
5.	19	Raktim Das	16	16
6.	39	Parikhit Das	15	19
7.	49	Rustom Doley	04	08
8.	50	Sankarjit Pegu	07	11
9.	53	Nadim Khan	Abs	Abs
10.	60	Dip Narayan Thakur	15	17
11.	34	Pratiksha Doley	23	25
12.	70	Gourav Boruah	21	21

19/05/2023

HoD, Department of Botany

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Sessional exam marks display

Department of Botany
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1st Sessional Exam. Results
Session 2022-23 (Even)
4th Semester (Core)

Total Marks-40

Sl.no	Roll no	Student names	Core Course VIII	Core Course IX	Core Course X
1.	22	Priyanka Saikia	25	30	27
2.	23	Suraj Borah	25	30	30
3.	47	Dipika Das	15	22	Abs
4.	63	Rohit Kumar Shah	18	27	26
5.	64	Udayaditya Gogoi	20	Abs.	20
6.	76	Janakanta Milli	Abs	Abs.	Abs
7.	84	Darpan Jyoti Pegu	Abs	33	28
8.	93	Subhradeep Paul	18	23	Abs

19/05/2023

HoD, Department of Botany

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Sessional exam marks display

Department of Mathematics
JORHAT KENDRIYA MAHAVIDYALAYA
Re-accredited by NAAC with Grade B++
KENDUGURI, JORHAT-785 010, ASSAM
Phone # 0376-2350009, 75778 00691(M) e-mail: jkmmathematics@gmail.com
Website : www/jorhatkendriyamahavidyalaya.in

Ref : JKM/MATHS

Marks Sheet

2ND Sessional Examination 2022

B.sc. 3rd Semester

Subject : Mathematics (G.E.)

SI No.	Roll No	Name of the Student	Marks obtained (Out of 40)
1.	01	Prosan Chandra Borah	05
2.	20	Aryaman Bhattachrya	09
3.	28	Barun Bora	04
4.	29	Dhurba Jyoti Saikia	09
5.	49	Pranshu Chetry	02
6.	54	Sobha Limbo	Absent
7.	55	Rupom Chutia	11
8.		Jahiruddin Ahmed	Absent.

11-1-2023

Arpona Saikia , HOD
Department of Mathematics
Jorhat Kendriya Mahavidyalaya

HOD
Dept. of Mathematics
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Sessional exam marks display

Department of Mathematics
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Marks Sheet
(1st Sessional Examination 2023)
B.sc. 4th Semester
Subject : Mathematics (CORE)

Sl No.	Roll No	Name of the Student	Marks obtained		
			C-8	C-9	C-10
1.	6	Hemonta Bora	20	27	24
2.	16	Anand Kr. Mahato	20	26	24
3.	29	Abhi Rajak.	20	27	24
4.	34	Jubin Doley	20	20	AB
5.	75	Asish Borthakur	20	27	24
6.	85	Kaku Kalita	27	28	27
7.	98	Saranga P. Dutta	20	27	24

17/3/2023
Arpona Saikia, HoD
Department of Mathematics
HOD
Dept. of Mathematics
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
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Sessional exam marks display

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Mark sheet
(2nd Sessional Examination 2023)
B.sc. 4th Semester
Subject : Mathematics (G.E.)

Sl No.	Roll No	Name of the Student	Marks obtained
1.	01	Prosan Chandra Borah	05
2.	20	Aryaman Bhattachrya	07
3.	28	Barun Bora	07
4.	29	Dhurba Jyoti Saikia	06
5.	49	Pranshu Chetry	05
6.	54	Sobha Limbo	07
7.	55	Rupom Chutia	AB
8.		Jahiruddin Ahmed	AB

Arpona Saikia, HoD
Department of Mathematics
HOD
Dept. of Mathematics
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Sessional exam marks display

Department of Statistics
JORHAT KENDRIYA MAHAVIDYALAYA
Re-accredited by NAAC with Grade B++

KENDUGURI, JORHAT-785 010, ASSAM
Phone # 0376-2350009, 75778 00691(M) e-mail:
jkmstatsdepartment@gmail.com
Website : www/jorhatkendriyamahavidyalaya.in

11/1/23

2ND Sessional Exam Marksheet-2022
1st semester (core)
Department :Statistics

SI No	Roll No	Name of the Students	C1	C2
1	(Science) 55	Biswajit Saikia	22	23
2	(Arts) 143	Akash Singh	12	-

1st Semester(G E)

SI No		Roll No	Name of the Students	GE-1
Science-	1	14	Gouranga Pathak	12
	2	36	Debajit Das	15
	3	72	Ritusman Kashyap	08
	4	73	Masum Kr Singh	04
Arts	5	206	Hrishikesh Pran Das	-

HOD, Department of Statistics
Jorhat Kendriya Mahavidyalaya
HOD
Dept. of Statistics
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Sessional exam marks display

Department of Statistics
JORHAT KENDRIYA MAHAVIDYALAYA
Re-accredited by NAAC with Grade B++

KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009, 75778 00691(M)   e-mail: jkmstatsdepartment@gmail.com

Website: www/jorhatkendriyamahavidyalaya
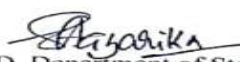
2ND. SESSIONAL EXAM MARKSHEET-2022
3RD SEMESTER (CORE)
DEPARTMENT: STATISTICS

Sl No	Roll No	Name of the Students		C5	C6	C7
Science -1	55	Rupam Chutia		34	33	28
Arts	279	Animesh Goswami		14	12	15

3RD SEMESTER (G E)

Sl No	Roll No	Name of the Students	GE-3
1	06	Hemanta Bora	21
2	29	Abhi Rajak	16
3	75	Ashish Borthakur	19
4	85	Kaku Kalita	20
5	16	Anand Kr Mahato	19

(SEWALI HAZARIKA)
HOD, DEPARTMENT OF STATISTICS
JORHAT KENDRIYA MAHAVIDYALA
HOD
Dept of Statistics
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Sessional exam marks display

Marksheet
Sessional Examination 1st/2nd
Department of Sociology
Semester: 5th Semester
Session: 2022-2023

Roll No	Name	Paper Code C-11	Paper Code C-12	Paper Code DSE-1	Paper Code DSE-II	Remarks
1. 05	Baishali Dutta	20	21	23	20	
2. 09	Bishal Dauka	23	21	25	23	
3. 13	Roshan Choudhary	26	24	26	25	
4. 20	Pritysmita Bora	20	20	22	19	
5. 22	Nishita Khound	22	19	22	21	
6. 23	Bitupan Chetia	22	20	23	25	
7. 31	Muskan Singh	20	19	21	19	
8. 33	Ankur Jyoti Bardoloi	22	20	22	21	
9. 35	Mousumi Dutta	21	20	23	20	
10. 46	Astha Boreah	21	19	23	22	
11. 50	Malika Hazarika	20	20	19	18	
12. 51	Juzaid Irban Hazarika	17	19	16	17	
13. 52	Prazanika Neog	23	22	23	21	
14. 53	Papu Boreah	24	22	26	25	
15. 42	Nandita Goswami	20	22	21	22	
16. 70	Madhusmita Neog	19	26	18	22	
17. 71	Bidisha Barah	26	20	24	22	
18. 73	Dibyashree Das	20	19	19	20	
19. 81	Akashjyoti Saikia	19	20	20	20	
20. 83	Rismarkhee Das	20	21	20	19	
21. 84	Nilakhi Barpatragohain	22	22	20	20	
22. 85	Debasish Sharma	20	19	19	20	
23. 87	Panchali Bhattacharya	19	18	20	22	
24. 90	Rituparna Paul	20	22	20	21	

Examiner   Head of Department

Sessional exam marks display

SESSIONAL EXAMINATION 2023
B.A 4th semester (GE)

Sl No.	Roll No.	NAME	1st Sessional		IInd Sessional
1.	09	Dhrubagyoti Chutia.	06		10
2.	10	Sujata Chutia.	07		02
3.	12	Jyotismoyee Gogoi.	09		16
4.	13	Debanga Saikia.	06		06
5.	15.	Rishika Bora.	18		17
6.	16.	Sahil Hussain.	12		10
7.	21.	Bishal Das.	Abs		14
8.	28.	Manash P. Bora	03		09
9.	38.	Akash Kalita	10		14
10.	49.	Rimpy Rajkhowa	12		15
11.	53.	Nagma Parveen	04		04
12.	54.	Rajashree Saikia	05		06
13.	55	Dhanjoy Gupta	Abs		05
14.	66.	Tafrima Ahmed	06		08
15.	70.	Jyotimoyee Mohan	10		13
16.	79.	Namrata Bora	Abs		12
17.	80.	Niha Das.	11		Abs
18.	82.	Biraj Kurmi	Abs		Abs
19.	88.	Riya Hazarika	08		09
20.	95.	Shibanee Saikia	07		04
21.	100.	Bedanta Madhab Sarma	07		09
22.	103.	Nisha Rani Bhuyan	04		08
23.	105.	Bobby Mondal	12		15
24.	116.	Madhusmita Das	Abs		Abs
25.	128.	Priyankshu Borthakur	07		Abs
26.	143.	Manash Jyoti Baruah	03		03
27.	147.	Chandana Thapa.	Abs		01
28.	152.	Mahagyoti Chitrang.	07		02
29.	181	Parishmita Bora	Abs		13
30.	182.	Nikita R. Bora	15		22
31.	183.	Arup Deka	Abs		13
32.	187.	M. Erzaaz Ansari	Abs		Abs
33.	191.	Manimala Payeng	07		18
34.	198.	Panchurika Bordoloi	09		06
35.	199.	Lina Keot	14		12

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Sessional exam marks display

B.A 1st 1stSem. 2022 Major

Nos	Roll No	Name	1st Sessional c_1	1st Sessional c_2	2nd sessional test c_1	2nd sessional test c_2	attend	assignment
1	6	Bhaskar Jyoti Das	6	13	ABS	ABS	5	✓
2	14	Babu Baruah	30	30	29	21	5	✓
3	19	Priyanka Neog	19	27	14	08	5	✓
4	34	Namita Baruah	22	28	27	14	5	✓
5	49	Arya Protim Kashyap	08	09	01	ABS	5	✓
6	63	Parthib Baruah	—		01	ABS	6	✓
7	83	Ujjal Kalita	15	13	ABS	05	5	✓
8	94	Akash Das	12	14	ABS	ABS	2	4
9	95	Pranjal Das	12	03	05	04	5	✓
10	98	Susmita Das	13	23	07	08	5	✓
11	120	Gautoom Bhuyan	—		—		—	—
12	127	Rimpi Borah	17	23	04	12	5	✓
13	129	Madhusmita Saikia	24	23	01	04	5	✓
14	132	Barnali Das	17	22	12	07	5	✓
15	136	Sourav Das	08	13	03	01	5	✓
16	139	Rashmi Rekha Borah	11	21	04	05	5	✓
17	142	Pritakhi Kalita	20	24	ABS	ABS	3	X
18	170	Jyotirmoyee Dutta	11	09	02	01	3	✓
19	184	Anasika Kardong	11	24	06	06	3	X
20	187	Ranju Rani Chhintey	17	28	08	10	5	✓
21	190	Amlan Jyoti Saikia	16	20	03	01	3	✓
22	197	Dhanolai Pajeng	23	20	06	15	5	✓
23	212	Barnali Das	22	25	06	13	5	✓
24	218	Ujjal Gogoi	13	—	ABS	ABS	03	✓
25	255	Parismita Saikia	15	20	ABS	ABS	02	X
26	257	Leeza Khound	17	23	01	09	08	✓
27	268	P.Lalita Borah	14	18	ABS	ABS	03	X
28	278	Santu Das	07	20	05	07	5	✓
29	281	Bijitas Borah	—		04	07	1	✓
30	291	Sanjana Das	19	14	06	14	5	✓
31	297	Kristanjali Bhatta	18	29	04	08	5	✓
32	313	Porutha Pation Das	15	16	03	05	5	✓
33	316	Debasish Saikia	13	13	08	06	5	
34	355	Debasish Das	09	17	05	07		
35	371	Borsha Gogoi						

Sessional exam marks display

JORHAT KENDRIYA MAHAVIDYALAYA

Re-accredited by NAAC with Grade B++

KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009, 75778 00691(M) e-mail: departmentphysics962@gmail.com

Website : www/jorhatkendriyamahavidyalaya.in

Department of Physics

First Sessional Examination Result 2022

1st Semester
Total Marks=26

Sl. No.	Roll No.	Name of the Student	Marks with paper code		Remarks
			C-1	C-2	
1	14	Gauranga Pathak	20	14	P
2	32	Sweety Malakar	17	19	P
3	33	Ankur Kalita	20	15	P
4	67	Pragyan Jyoti Saikia	11	16	P
5	73	Masum kumar Singh	19	18	P

2nd Semester
Total Marks=20

Sl. No.	Roll No.	Name of the Student	Marks with paper code		Remarks
			C-3	C-4	
1	1	Prosen Chandra Borah	03	09	p
2	20	Aryaman Bhattacharyya	07	09	P
3	24	Jashraj Deb Nath	12	11	P
4	28	Barun Bora	08	10	P
5	49	Pranshu Chetry	04	08	P
6	91	Dhruba jyoti Saikia	07	09	P

3rd Semester
Total Marks=26

Sl. No.	Roll No.	Name of the Student	Marks with paper code			Remarks
			C-5	C-6	C-7	
1	1	Prosen Chandra Borah	10	10	12	P
2	20	Aryaman Bhattacharyya	11	12	11	P
3	28	Barun Bora	11	10	12	P

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Sessional exam marks display

JORHAT KENDRIYA MAHAVIDYALAYA

Re-accredited by NAAC with Grade B++

KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009, 75778 00691(M)   e-mail: departmentphysics962@gmail.com

Website : www/jorhatkendriyamahavidyalaya.in

Department of Physics

| 4 | 49 | Pranshu Chetry | 06 | 03 | 10 | P |
| 5 | 91 | Dhruba jyoti Saikia | 09 | 21 | 17 | P |

4th Semester
Total Marks=20

Sl. No.	Roll No.	Name of the Student	Marks with paper code			Remarks
			C-8	C-9	C-10	
1	22	Rakesh Pegu	10	09	10	p
2	29	Kaushik Dutta	14	07	11	P
3	52	Darshan Prasad	14	08	09	P
4	55	Mitradev Miram Pegu	14	08	10	P
5	56	Subham Santanu Bordoloi	15	07	06	P
6	59	Prachurjya Najir Saikia	14	07	11	P

5th Semester
Total Marks=26

Sl. No.	Roll No.	Name of the Student	Marks with paper code			Remarks
			C-11	C-12	DSE-1	
1	22	Rakesh Pegu	14	16	10	P
2	29	Kaushik Dutta	17	18	15	P
3	52	Darshan Prasad	08	18	14	P
4	55	Mitradev Miram Pegu	18	14	18	P
5	56	Subham Santanu Bordoloi	08	16	08	P
6	59	Prachurjya Najir Saikia	13	11	11	P

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Sessional exam marks display

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Website : www/jorhatkendriyamahavidyalaya.in

Department of Physics

Second Sessional Examination Result 2022

1st Semester
Total Marks=26

Sl. No.	Roll No.	Name of the Student	Marks with paper code		Remarks
			C-1	C-2	
1	14	Gauranga Pathak	14	04	P
2	32	Sweety Malakar	14	06	P
3	33	Ankur Kalita	13	05	P
4	67	Pragyan Jyoti Saikia	07	01	P
5	73	Masum kumar Singh	12	02	P

2nd Semester
Total Marks=26

Sl. No.	Roll No.	Name of the Student	Marks with paper code		Remarks
			C-3	C-4	
1	1	Prosen Chandra Borah	08	09	p
2	20	Aryaman Bhattacharyya	09	11	P
3	24	Jashraj Deb Nath	12	10	P
4	28	Barun Bora	10	08	P
5	49	Pranshu Chetry	07	08	P
6	91	Dhruba jyoti Saikia	10	09	P

3rd Semester
Total Marks=26

Sl. No.	Roll No.	Name of the Student	Marks with paper code			Remarks
			C-5	C-6	C-7	
1	1	Prosen Chandra Borah	05	09	09	P
2	20	Aryaman Bhattacharyya	05	08	11	P

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Sessional exam marks display

JORHAT KENDRIYA MAHAVIDYALAYA
Re-accredited by NAAC with Grade B++

KENDUGURI, JORHAT-785 010, ASSAM
Phone # 0376-2350009, 75778 00691(M) e-mail: departmentphysics962@gmail.com
Website : www/jorhatkendriyamahavidyalaya.in

Department of Physics

Sl. No.	Roll No.	Name of the Student				Remarks
3	28	Barun Bora	05	09	11	P
4	49	Pranshu Chetry	01	08	08	P
5	91	Dhruba jyoti Saikia	03	10	11	P

4th Semester
Total Marks=20

Sl. No.	Roll No.	Name of the Student	Marks with paper code			Remarks
			C-5	C-6	C-7	
1	22	Rakesh Pegu	07	08	08	p
2	29	Kaushik Dutta	10	08	10	P
3	52	Darshan Prasad	09	07	10	P
4	55	Mitradev Miram Pegu	08	07	09	P
5	56	Subham Santanu Bordoloi	08	07	07	P
6	59	Prachurjya Najir Saikia	07	07	10	P

5th Semester
Total Marks=26

Sl. No.	Roll No.	Name of the Student	Marks with paper code				Remarks
			C-11	C-12	DSE-1	DSE-2	
1	22	Rakesh Pegu	08	10	10	09	p
2	29	Kaushik Dutta	11	16	17	07	P
3	52	Darshan Prasad	12	05	13	07	P
4	55	Mitradev Miram Pegu	12	09	11	17	P
5	56	Subham Santanu Bordoloi	13	15	12	18	P
6	59	Prachurjya Najir Saikia	-	-	-	-	Medical purpose

NOTE:- No student in 6th semester.

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Internal Evaluation Mechanism

DEPARTMENT OF EDUCATION
JORHAT KENDRIYAMAHAVIDYALAYA
Estd.1981
Re-accredited by NAAC with Grade 'B⁺⁺'
KENDUGURI, JORHAT-785010, ASSAM
Phone # 0376-2350009, email # jkmprincipal@rediffmail.com, Fax # 0376-2350009
Website : www.jorhatkendriyamahavidyalaya.in

Ref :

Date : 1/9/22

Internal Mechanism

The following criterias are taken to assess the students for internal marking –

1) Two sessional examination - 10 marks

2) Attendance – 5 marks

3) Home assignment / Seminar – 5 marks

(Mrs. Ranjumoni Saikia)
HOD
Department of Education
Jorhat Kendriya Mahavidyalaya

Ranjumoni Saikia
(HOD) Associate Professor
Dept. of Education
Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Internal Evaluation Mechanism

DEPARTMENT OF MATHEMATICS

JORHAT KENDRIYA MAHAVIDYALAYA

Estd. 1981

Re-accredited by NAAC with Grade "B⁺⁺"

KENDUGURI, JORHAT- 785010, ASSAM

Website: www.jorhatkendriyamahavidyalaya.in

Emailid. jkmmathematics@gmail.com

Ref:................................   Date : 02-09-2022

MACHANISIM FOR INTERNAL ASSESSMENT (I A) MARKS DISTRIBUTION

DEPARTMENT OF MATHEMATICS

The marks for internal assessment are distributed as follows

TOTAL IA MARKS	1ST SESSIONAL	2ND SESSIONAL	ATTENDENCE	SEMINAR/GROUP DISCUSSION/CLASS TEST
20	5	5	5	5

Arpona Saikia(HOD)

Department of Mathematics

Date:02-09-2022

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Internal Evaluation Mechanism

Chemistry Department

Jorhat Kendriya Mahavidyalaya ; Kenduguri, Jorhat-10, Assam

www.jorhatkendriyamahavidyalaya.in

The mechanism of internal marks distribution

Sl no	Total internal marks	Mechanism						Remarks
		Sessional Examination		Attendance	Home assignment	Seminar group discussion	Note Book	
		I	II					
I	13(Theory)	2	2	5	2	2		
II	07(Practical)			5			2	

Baruah 1/9/2022

(Mrs Parinita Baruah)
HoD
Department of Chemistry

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Internal Evaluation Mechanism

DEPARTMENT OF ZOOLOGY
JORHAT KENDRIYA MAHAVIDYALAYA
Estd 1981
Re- accredited by NAAC with Grade
KENDUGURI, JORHAT-785010
Website: www.zoology.jkm@gmail.com

The department of Zoology (Jorhat Kendriya Mahavidyalaya) distributed the Internal Assessment (IA) marks to students as below:

Theory (IA Marks): Seminar = 03

Group discussion = 02

Attendance = 04

Sessional exam = 04

Total =   13

Practical (IA Marks): Sincerity = 03

Regularity = 04

Total =   07

28x.
03/09/2022
(Seuoiscore Borah)
HoD.
Dept. of Zoology

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Botany
JORHAT KENDRIYA MAHAVIDYALAYA
Re-accredited by NAAC with Grade B++
KENDUGURI, JORHAT-785 010, ASSAM
Phone # 0376-2350009, 75778 00691(M)   e-mail: botanydepartment558@gmail.com
Website : www/jorhatkendriyamahavidyalaya.in

SEMINAR REPORT

SESSION- 2022-23(Even Semester)

On April 8, 2023, the Department of Botany hosted the Students Seminar of Semesters 2nd, 4th, and 6th in the Botany Class Room. The students selected their Seminar Topics from the Botany Subject of their choice and presented their PPT in groups. Overall, these types of Seminar preparations by students increase their knowledge of the subject while also boosting their confidence.

BOTANY 2nd SEMESTER (CORE)

S.NO.	R.NO.	NAME OF THE STUDENTS	TOPIC OF THE SEMINAR	REMARK
1.	03	Akash Jyoti Boruah	Bioplastic	
2.	05	Rishiraj Saikia	Impact of bacterial disease on crop yields	
3.	15	Bijit Gogoi	do	
4.	34	Prathiksa Doley	Disease of plant	
5.	70	Gourav Baruah	Plant viruses disease and Symtoms	

BOTANY 4th SEMESTER (CORE)

S.NO.	R.NO.	NAME OF THE STUDENTS	TOPIC OF THE SEMINAR	REMARK
1.	22	Priyanka Saikia	Environment and Public Health	
2.	23	Suraj Bora	do	
3.	76	Janakanta Mili	The effect of Acid rain	
4.	84	Darpan Jyoti Pegu	do	
5.	63	Rohit Kr. Sahah	do	
6.	43	Subhardeep Paul	Biomass Energy	

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

SEMINAR PRESENTATION BY THE STUDENTs

10/04/2023

Pinaki Hazarika
HoD, Dept. of Botany, JKM

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Botany
JORHAT KENDRIYA MAHAVIDYALAYA
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Phone # 0376-2350009, 75778 00691(M) e-mail: botanydepartment558@gmail.com
Website : www/jorhatkendriyamahavidyalaya.in

SEMINAR REPORT

SESSION- 2022-23(Odd Semester)

On October 17, 2022, the Department of Botany hosted the Students Seminar of Semesters 1st, 3rd, and 5th in the Botany Class Room. The students selected their Seminar Topics from the Botany Subject of their choice and presented their PPT in groups. Overall, these types of Seminar preparations by students increase their knowledge of the subject while also boosting their confidence.

BOTANY 1st SEMESTER (CORE)

S.NO.	R.NO.	NAME OF THE STUDENTS	TOPIC OF THE SEMINAR	REMARK
1.	03	Akash Jyoti Boruah	Cell theory	
2.	05	Rishiraj Saikia	Virus and its structure	
3.	08	Biplob Hazarika	Bacteria	
4.	15	Bijit Gogoi	Nucleus	
5.	19	Raktim Das	Cell structure	
6.	39	Parikhit Das	Bacteria	
7.	50	Sankarjit Pegu	Bacteria	
8.	70	Gourav Baruah	Plasma membrane- structure & model	

BOTANY 3rd SEMESTER (CORE)

S.NO.	R.NO.	NAME OF THE STUDENTS	TOPIC OF THE SEMINAR	REMARK
1.	10	Emanuel Doley	Environmental Issues and Air Pollution	
2.	22	Priyanka Saikia	Energy	

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

S.NO.	R.NO.	NAME OF STUDENTS	TOPIC	REMARKS
3.	23	Suraj Bora	do	
4.	63	Rohit Kr. Shah	Uses of plastic waste in road construction	
5.	64	Udayaditya Gogoi	Global warming	
6.	76	Janakanta Mili	Environmental Issues and Air Pollution	
7.	84	Darpan Jyoti Pegu	Uses of plastic waste in road construction	
8.	93	Subhradeep Paul	Global warming	

BOTANY 5th SEMESTER (CORE)

S.NO.	R.NO.	NAME OF STUDENTS	TOPIC OF THE SEMINAR	REMARKS
1.	07	Gobinda Payeng	Bacteria in agriculture	
2.	13	Minakshi Saikia	Plant hormones	
3.	14	Moinul Doley	Plant nutrient function and deficiency symptoms	
4.	22	Shiva Kachari	Water potential and its components	
5.	24	Aashish Debang Dhar	do	
6.	25	Supreeti Bordoloi	Photoperiodism	
7.	26	Dimple Pegu	do	
8.	27	Chancita Das	Plant hormones	
9.	28	Lakhimoni Dutta	do	
10.	45	Ridip Doley	Bacteria in agriculture	
11.	50	Debajit Borah	Mineral nutrition	
12.	51	Sagarika Dutta	Water potential and its components	
13.	53	Dhoritri Pachani	Plant nutrient function and deficiency symptoms	
14.	62	Chandan Kr. Thengal	Mineral nutrition	
15.	69	Abhishek Sharma	Photoperiodism	

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

SEMINAR PRESENTATION BY THE STUDENTS

Pinaki Hazarika
HoD, Dept. of Botany, JKM

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Records of Home Assignment/Seminar

Department of Botany
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HOME ASSIGNMENT RECORDS
SESSION: 2022-23 (EVEN SEMESTER)

Sl. No.	Semester	Paper	Topic	Assigned by
1.	2nd (Major)	C3 (Mycology and Phytopathology)	Photographs of some common plant diseases with description	Miss Khusboo Agarwal
		C4 (Archaegoniates)	Evolution of sporophytes in Bryophytes	Mrs. Rashmi Rekha Borah
			Life cycle of Riccia	
2.	4th (Major)	C8 (Molecular Biology)	Structure of DNA	Mrs. Rashmi Rekha Borah
		C9 (Plant Ecology and Phytogeography)	Phytogeographical map of North-East India	Mrs. Pinaki Hazarika and Miss Khusboo Agarwal
			Phytogeographical map of India	
		C10 (Plant Systematics)	e-herbarium	Miss Dimpily Borah
3.	6th (Major)	C13 (Plant Metabolism)	Calvin cycle	Miss Khusboo Agarwal
			C2 Cycle	
			C4 Cycle	
		C14 (Plant Biotechnology)	Agrobacterium mediated gene transfer	Mr. Bhaskor Kolita

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

		DSE5 (Plant Breeding)	Genetic basis of inbreeding depression and heterosis	Mrs. Rashmi Rekha Borah
			Weed flora	
			Mutation breeding	
			Diff. types of medicinal plants	
			Selection method for crop improvement	

Mrs. Pinaki Hazarika
HOD, Department of Botany
JKM

HoD
Department of Botany
Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Chemistry
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Website : www.jorhatkendriyamahavidyalaya.in

Ref.................... Date..............

The Department of Chemistry organized the Student Seminar of 1 st ,3 rd and 5 th semester as per following schedule:

Sl no	Semester	Date
1	1st	13/10/2022
2	3rd	12/10/2022
3	5th	13/10/2022

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Chemistry
JORHAT KENDRIYA MAHAVIDYALAYA
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Ref....................   Date:...............

(Mrs Parinita Barush)
HoD, Chemistry department
JKM

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Chemistry
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Ref................... .   Date:... ... ...

Records of Home Assignment/Seminar/Group Discussion, 2022-23

Sl. No.	Name of the student	Home Assignment	Seminar Topic	Semester
1	Ankur Deka	Semiconductor and Insulator	Vander waal's Equation	1st
2	Priyam Uddipan Dutta	Semiconductor and Insulator	Surface Tension	1st
3	Debajit Das	Hydrojen Bonding	Ideal Gas	1st
4	Manash Pratim Das	Hydrojen Bonding	Viscosity	1st
5	Manash Jyoti Mohan	Hydrojen Bonding	Liquid Crystal	1st
6	Monuj Doley	Semiconductor and Insulator	Surface Tension	1st

Baruah

Mrs Parinita Baruah
HOD ,Chemistry Department
HOD
Dept. of Chemistry
Jorhat Kendriya Mahavidyalaya
Jorhat-10

CHEMISTRY DEPARTMENT
JORHAT KENDRIYA MAHAVIDYALAYA

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Chemistry
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Ref... ... ...   Date:... ... ...

Records of Home Assignment/Seminar/Group Discussion, 2022-23

Sl. No.	Name of the student	Home Assignment	Seminar Topic	Semester
1	Ruma Begum	Allotropy	Nernst Distribution Law	3rd
2	Gauranga Nath	Phase Rule	Succinic acid and Phthalic acid	3rd
3	Bablu Gogoi	Phase Rule of three components System	Phase Rule	3rd
4	Swagat Bora	Oxides of Nitrogen	Tartaric acid and citric acid	3rd
5	Jahir Uddin	Epoxide	Catalysis	3rd
6	Rajpal Sharma	Catalysis	Phase Rule	3rd
7	Bijoy Hazarika	Oxides and Oxoacids of Nitrojen	Catalysis	3rd
8	Bipul Saikia	Oxides of Nitrojen	Catalysis	3rd
9	Debasish Saikia	Interhalogen Compounds	Lactic acid and Malic acid	3rd
10	Ratul Pegu	Enzymes	Tartaric acid and citric acid	3rd
11	Animesh Bora	Epoxide	Nernst Distribuion Law	3rd
12	Sobha Limbu	Phase Rule	Thiols	3rd
13	Baishali Suman Tamuly	Interhalogen Compounds	Enzymes	3rd
14	Pori Hazarika	Epoxide	Phase Rule	3rd
15	Amlan Jyoti Saikia	Phale Rule	Enzymes	3rd
16	Dhrubajyoti Dutta	Enzymes	Epoxides	3rd
17	Rabin Mohan	Chemical Kinetics	Dicrboxylic acids	3rd

Mrs Parinita Baruah
HOD, Chemistry Department

HOD
Dept. of Chemistry
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Chemistry
JORHAT KENDRIYA MAHAVIDYALAYA
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KENDUGURI, JORHAT -785 010, ASSAM
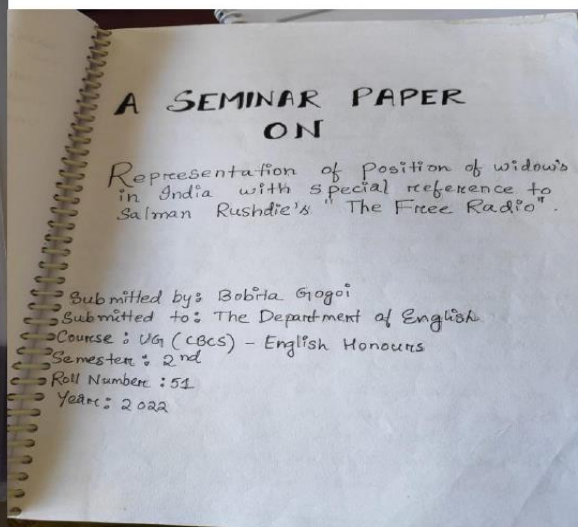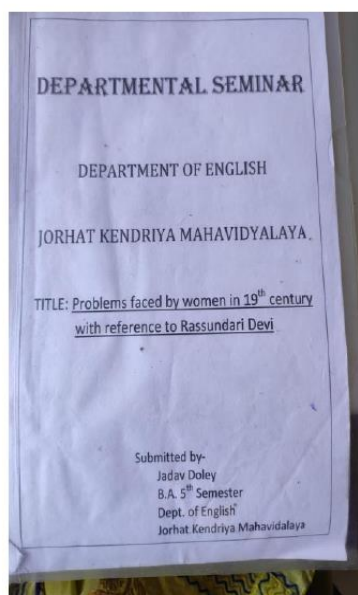Phone # 0376-2350009, 75778 00691(M)   e-mail: chemistrydepartmentjkm@gmail.com
Website : www./jorhatkendriyamahavidyalaya.in

Ref... ... ...   Date:... ... ...

Records of Home Assignment/Seminar/Group Discussion, 2022-23

Sl. No.	Name of the student	Home Assignment	Seminar Topic	Semester
1	Ankur Taye	Franck Condon Principle	12 th principles of Green Chemistry	5th
2	Ashish Jyoti Bora	Photosenzitation and Photosensitized reactions	Nucleic acids	5th
3	Archies Purna Hazarika	Franck Condon Principle	Green Chemistry	5th
4	Aditya Nayan Bora	Rotational Spectroscopy	Goals of Green Chemistry	5th
5	Bastob Bora	Photochemical Reaction	Natural Medicinal Compounds	5th
6	Chinmoy Saikia	Molecular Vibration	Isolation and Extraction of DNA from Onion	5th
7	Nabadeep Bharadwaz	Laws of Photochemistry	Nucleic acids	5th
8	Riku Kumar Das	Molecular Spectroscopy	Enzymes	5th
9	Vihan Doley	Rotational Spectroscopy	Disconnection Approach to Organic Synthesis	5th
10	Juri Pathak	Photochemistry	Enzymes	5th
11	Nayab Kalam	Beer - Lambert's Law	Nucleic Acids (DNA & RNA)	5th

Mrs Parinita Baruah
HOD, Chemistry Department

HOD
Dept. of Chemistry
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
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Principal
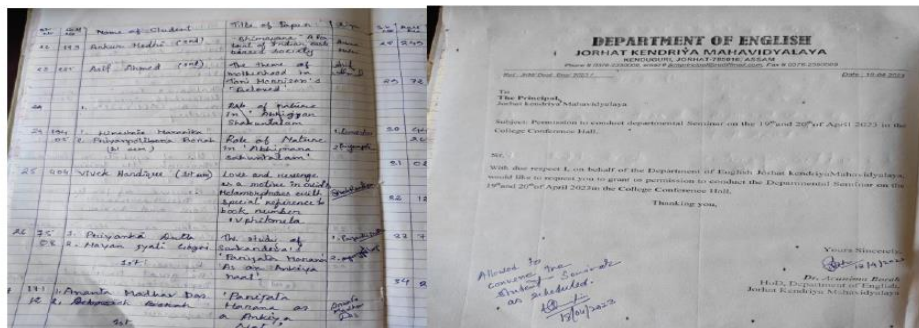
Records of Home Assignment/Seminar

Department of English
JORHAT KENDRIYA MAHAVIDYALAYA
Estd.1981

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Date: 7/6/2023

Seminars

Department of English

Department Seminars are an integral component of Internal assessment for each semester. Students are guided and encouraged to follow proper methodology while preparing their research papers. Some sample Seminar Notice, Pages from the record register and sample Papers are given below:

Seminar Notice

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Records of Home Assignment/Seminar

Department of English
JORHAT KENDRIYA MAHAVIDYALAYA
Estd.1981
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Records of Home Assignment/Seminar

Department of English
JORHAT KENDRIYA MAHAVIDYALAYA
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Date: 7/6/2023

Home Assignments

Department of English

Home assignments are a regular feature of the department. One assignment on each paper being mandatory for allotting internal marks. Some sample assignments are given below:

Home Assignment (Sampe copies)
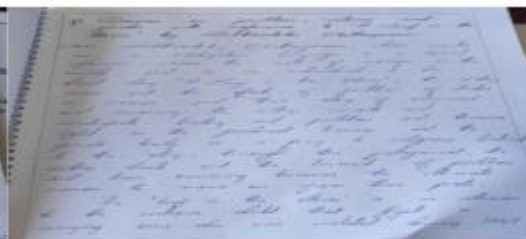
(Dr. Arunima Borah)
HoD, Dept. of English,

Dr. Arunima Borah
HoD, Dept. of English
Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of English
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(Dr. Arunima Borah)
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Dr. Arunima Borah
HoD, Dept. of English
Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Philosophy

JORHAT KENDRIYA MAHAVIDYALAYA

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KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009, 75778 00691(M) e-mail: philosophyjkm@gmail.com

Website : www/jorhatkendriyamahavidyalaya.in

NOTICE

It is hereby informed to all the students of B.A 2nd Semester Core that, a student seminar will be held on 29-03-2023. All students are requested to participate the seminar without fail.

The topic of the seminar and venue are given below:

TOPIC: "Ancient Greek philosophy"

Time: 10 a.m.

Venue: Conference Hall

Kenduguri, Assam, India
Q6CV+39X, Charigaon, Kenduguri, Assam 785010, India
Lat 26.770183°
Long 94.243406°
29/03/23 10:29 AM GMT +05:30

Beauty Boruah, HoD
Department of Philosophy
Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Philosophy
JORHAT KENDRIYA MAHAVIDYALAYA
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KENDUGURI, JORHAT-785 010, ASSAM
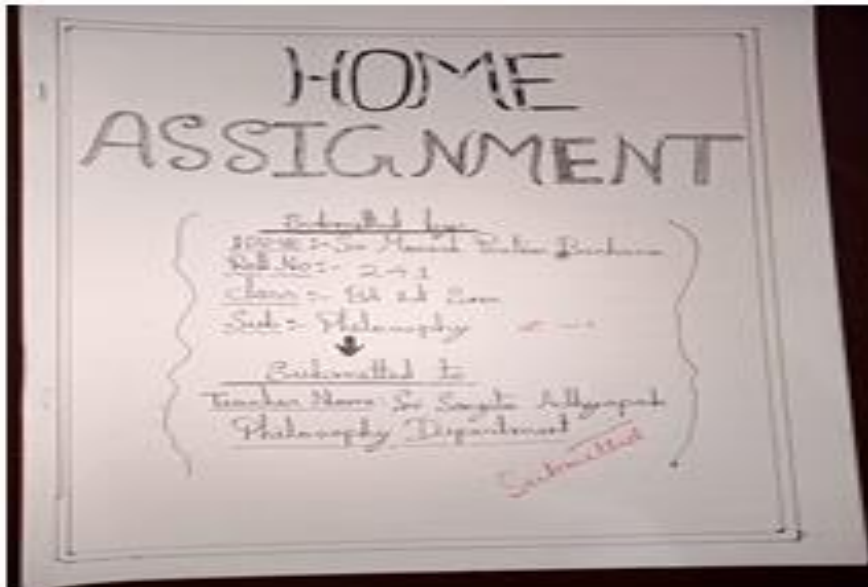Phone # 0376-2350009, 75778 00691(M) e-mail: philosophyjkm@gmail.com
Website : www/jorhatkendriyamahavidyalaya.in

Beauty Boruah, HoD
Department of Philosophy
Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Mathematics
JORHAT KENDRIYA MAHAVIDYALAYA

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JKM/MATHS/2023   Date: 02-05-2023

REPORT ON DEPARTMENTAL SEMINAR

DEPARTMENT OF MARTHEMATICS

A departmental seminar among the 4th & 6th Semester students of Mathematics department was organize on 5th April 2023 at 12 noon onwards.

They presented their papers by power point presentation. At the very beginning Mrs Arpona Saikia HOD, Mathematics in her inaugural speech mentioned about the importance of such seminar as it is a part of their course curriculum.

Sl no	Name of the students	Topic of the seminar	Semester	Remarks
1	Hemanta Bora	Newton's Interpolation	4th	
2	Asish Borthakur	System of Linear Algebraic Equation		
3	Kaku Kalita	Do		
5	Jubin Doley	Ab		
6	Anand Kr. Mahato	Newton's Interpolation		
7	Saranga Pran Dutta	Newton's Interpolation		
8	Abhi Rajak	Ab		
9	Ashok Kr. Bishnoi	Laplace and Fourier Transformation	6th	
10	Sun Kumar Deori			
11	Samiron Changmai			

Arpona Saikia, HOD
Dept. of Mathematics
HOBM
Dept. of Mathematics
Jorhat Kendriya Mahavidyalaya
- Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Mathematics
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Website : www./jorhatkendriyamahavidyalaya.in

Arpona Saikia, HOD
Department of Mathematics
JKMD
Dept. of Mathematics
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
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Records of Home Assignment/Seminar

Department of Statistics
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Ref JKM/STTS/2022-23   Date: 26-09-2022

Notice

It is hereby informed that all the students of both Core and Generic courses are required to submit their assignments on or before 10th October,2022.The topics for the assignments are given below.

Semester	Paper Code	Assigned by	Topic of the Assignment
1st Sem (Core)	STAT-C-101	Dr. Sanhita Sarmah	Measurement of Dispersion and their merits
	STAT-C-102	Dr. Sanhita Sarmah	Definite integral and their properties
1st Sem (GE)	STAT-GE-1	Leena Saikia	1.Consistancy of Data and Independence of data 2.Scales of measurement
3rd Sem (Core)	STAT-C-301	Sewali Hazarika	W.L.L.N.,S.S.L.N. and their applications.
	STAT-C-302	Leena Saikia	Stratified Random sampling
	STAT C-303	Sewali Hazarika	Rolle's and Lagrange's Mean Value theorem
3rd Sem (GE)	STAT-GE-3	Dr. Sanhita Sarmah	1.Simple Random Sampling
5th Sem	STAT-C-501	Sewali Hazarika	Markov Chain
	STAT-C-502	Armina Rahman	Operation and Expression
	STAT-DSE-4	Leena Saikia	Measurement of fertility and measurement of population growth
	STAT-DSE-2	Sewali Hazarika	Components of time series

(Sewali Hazarika, HOD)
Department of Statistics

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Records of Home Assignment/Seminar

Department of Statistics
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Website : www/jorhatkendriyamahavidyalay

Ref JKM/STTS/2021-22   Date: 20-**10**-2022

REPORT ON HOME ASSIGNMENT

All the students (Both Core & General) of each semester of Statistics Department have submitted their assignment in due time with the topics from their syllabus allotted to them by the faculties.

Semester	Paper Code	Assigned by	Topic of the Assignment
1stSem (Core)	STAT-C-101	Dr. Sanhita Sarmah	Measurement of Dispersion and their merits
	STAT-C-102	Dr. Sanhita Sarmah	Definite integral and their properties
1st Sem (GE)	STAT-GE-1	Leena Saikia	1.Consistancy of Data and Independence of data 2.Scales of measurement
3rdSem (Core)	STAT-C-301	Sewali Hazarika	W.L.L.N.,S.S.L.N. and their applications.
	STAT-C-302	Leena Saikia	Stratified Random sampling
	STAT C-303	Sewali Hazarika	Rolle's and Lagrange's Mean Value theorem
3rd Sem (GE)	STAT-GE-3	Dr. Sanhita Sarmah	1.Simple Random Sampling
5th Sem	STAT-C-501	Sewali Hazarika	Markov Chain
	STAT-C-502	Armina Rahman	Operation and Expression
	STAT-DSE-4	Leena Saikia	Measurement of fertility and measurement of population growth
	STAT-DSE-2	Sewali Hazarika	Components of time series

(Sewali Hazarika, HOD)
Department of Statistics

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Records of Home Assignment/Seminar

Department of Statistics
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Ref JKM/STTS/2022-23   *Date:11/10/2022*

Notice

It is hereby informed that departmental seminar of 1st, 3rd and 5th semester (Statistics Core) will be organized on 17th Oct,2022 from 10AM onwards. All the students are asked to prepare for the same.

The topics for the seminar are:

Semester	Topics	Name of Students
1st	Measurement of Dispersion	Biswajit Saikia
	Rank correlation	Akash Singh
3rd	Stratified Random Sampling	Rupom Chutia
	Simple Random Sampling	Animesh Goswami
5th	Methods of Moving Average	Deepjyoti Saikia
		Nilutpal Chatia

Your participation is mandatory.

(Sewali Hazarika, HOD)
Department of Statistics

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Records of Home Assignment/Seminar

Department of Statistics
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Website : www/jorhatkendriyamahavidyalay

Ref JKM/STTS/2022-23   *Date:11/10/2022*

REPORT OF SEMINAR-2022-23(ODD SEMESTER)

A departmental seminar was held for all semester students of Statistics(Honours) on 17/10/2022 at 10 AM onwards for acquiring interdisciplinary benefits of the students . Students presented their papers in Microsoft power point. The topics of the seminar are given below.

SEMESTER	NAME	SEMINAR TOPIC
1st semester	Biswajit Saikia	Measurement of Dispersion
	Akash Singh	Rank correlation
3rd semester	Rupom Chutia	Stratified Random Sampling
	Animesh Goswami	Simple Random Sampling
5th semester	Deepjyoti Saikia	Methods of Moving Average
	Nilutpal Chutia	Do

Ref JKM/STTS/2022-23   Date: 02/05/2023

(Sewali Hazarika, HOD)
Department of Statistics

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Jorhat KendriyaMahavidyalaya
Kenduguri, Jorhat-785010 (Assam)
Affiliated by Dibrugarh University

Records of Home Assignment/Seminar

Department of Statistics
JORHAT KENDRIYA MAHAVIDYALAYA
Re-accredited by NAAC with Grade B++
KENDUGURI, JORHAT-785 010, ASSAM
Phone # 0376-2350009,75778 00691(M) e-mail: jkmstatsdepartment@gmail.com
Website : www/jorhatkendriyamahavidyalay

Notice

It is hereby informed that all the students of both Core and Generic courses are required to submit their assignments on or before16th May 2023The topics for the assignments are given below.

Semester	Paper Code	Assigned by	Topic of the Assignment
2nd Sem (Core)	STAT-C-201	Leena Saikia	Gama Distribution
	STAT-C-202	Sewali Hazarika	Jacobi's Theorem
2nd Sem (GE)	STAT-GE-2	Leena Saikia	Exponential Distribution
4th Sem (Core)	STAT-C-401	Leena Saikia	Method of Likelihood Estimation
	STAT-C-402	Sewali Hazarika	Simple Regration Analysis
	STAT-C-403	Leena Saikia	Principle of acceptance sampling plans
4th Sem (GE)	STAT-GE-4	Dr. Sanhita Sarmah	Analysis of variance ,One –way classification
6th Sem	STAT-C-601	Dr. Sanhita Sarmah	Completely Randomized Design
	STAT-C-602	Sewali Hazarika	Multivariate Normal Distribution and its properties
	STAT-DSE-3	Dr. Sanhita Sarmah	Multicollinearity

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(Sewali Hazarika, HOD)
Department of Statistics

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Records of Home Assignment/Seminar

Department of History

JORHAT KENDRIYA MAHAVIDYALAYA
Estd.1981
KENDUGURI, JORHAT-785 010, ASSAM
"Re-accredited by NAAC Grade-A
E-mail: historydocu4@gmail.com
College Website: jorhatkendriyamahavidyalaya.in

Ref: ....   Date:

Time: 10 A.M.

A departmental student seminar was held on 05-04-2023 under the supervision of the faculty members of the Department of History. Students from each 2nd, 4th and 6th semester presented seminar papers. There were nineteen students attended the event. Their quarries were cleared by the faculties. Seminar topics were:

(i)For 6th Semester
 Development of History writing in India during the Modern period with special reference to Marxist and Subaltern trends.
(ii) For 4th Semester
 Development of Mughal paintings.
(iii) For 2nd Semester
 Socio-economic life of the Roman slaves.
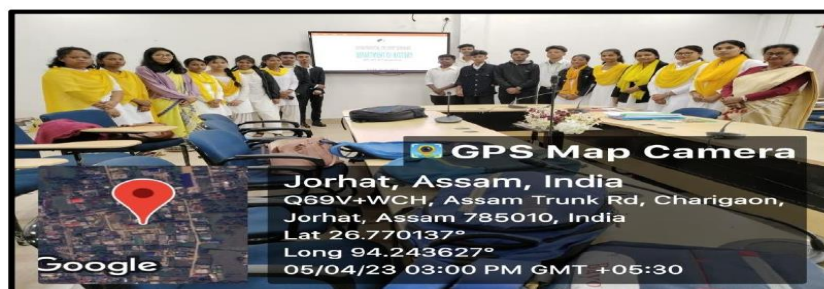
Nibedita Baruah
HoD , Department of History
Jorhat Kendriya Mahavidyalaya

H. O. D.
Department of History
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

Pranjal Dutta
Coordinator, IQAC

Dr. Dulen Saikia
Principal

Examination & Evaluation Policy

Office of the Controller of Examination
JORHAT KENDRIYA MAHAVIDYALAYA
Re-accredited by NAAC with Grade B++

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Phone # 0376-2350009,75778 00691(M) e-mail: ecojkm2021@gmail.com
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Examination and Evaluation Policy:

Examination and evaluation process of this institution is done on a continuous basis. Marks are distributed like 20% for internal assessment and 80% for end-semester final examination in each course during every semester. There is no provision for re-evaluation of answer-scripts of final examinations. However, a candidate may apply for re-scrutiny. Students shall compulsorily attend in the process of internal assessment, failing which they will not be allowed to appear in the final examination. A Student cannot repeat *In-semester* examinations. However, if a student fails to appear in any of the *In-Semester* examinations on valid reasons, the department concerned makes some arrangement for that, whenever necessary.

End Semester Examination:

There is only one End semester examination carrying 80% Marks in each course covering the entire syllabusprescribed.TheEndsemesterexaminationisnormallyawritten/laboratory-basedexamination/ProjectWork/Dissertation.The Controller of Examinations makes necessary arrangements for notifying the dates of the end semester examinations and other procedures asperDibrugarhUniversityRules(atleast20daysinadvance)andtheAcademicCalendar notified by the University.

Normally, the end —semester examination for each course shall be of three hour duration.

Setting of question papers, moderation of question papers, evaluation of answer scripts, scrutiny, tabulation of marks, etc. and announcement of results, shall be governed by the Dibrugarh University Examination Ordinance 1972 (as amended up to date).

Betterment Examination:

A student shall be entitled to take the "betterment examinations" in any two theory courses of any of the six semesters after passing the Sixth Semester examination only once. In this case the higher marks secured by the student shall be retained. The candidates shall have to apply for betterment examination within one year of passing the Sixth Semester examination.

No betterment shall be allowed in the practical examinations. Any difficulty which may arise in the course of operation of these regulations relating to holding o examinations shall be removed by the Examination Committee of the Dibrugarh University.

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Kenduguri Jorhat-10

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Results and Progression:

A candidate is declared as passed a course, provided he/she secures- at least 40% marks in the course in the end semester examinations.

At least 40% marks in the course in aggregate in the in- and end-semester examinations.

A candidate shall be declared as passed a semester, provided he/ she passes all the courses of a semester independently. The marks of in-semester examinations obtained by the candidate shall be carried over for declaring any result. A candidate who fails or does not appear in one or more courses of any end semester examinations up to Sixth Semester shall be provisionally promoted to the next higher semester with the failed course as carry over course(s). Such candidates' will be eligible to appear in the carry over course in the next regular examinations of those courses. However, the following restrictions shall be applicable: A candidate shall be entitled to a maximum of three consecutive chances to clear a course. If a candidate clears the sixth semester examination before clearing all the courses of the previous semesters, the result of the sixth semester examination of that candidate shall be kept withheld and his/ her results shall be announced only after he/she clears the courses of the previous semesters. A student must pass all his/her semester examinations within Five (5) years from the date of admission to the First Semester of any programme. Since the Semester system involves continuous assessment, there shall be no scope for a student to appear as a private candidate any programme in this system. A candidate shall be declared to have passed the Six-Semester Degree B.A./B.Sc programme provided he/she has passed all the Semesters and in all the Courses separately.

The degrees shall be offered to each candidate, who has passed the Six-Semester Degree B.A./B.Sc./ programme in the following manner:

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Non CBCS Programme

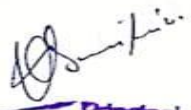| General(Non-Major) Programme		Major/Specialty Programme	
60%andabovemarksin Aggregate	First Division	60%andabovemarksin Major courses in aggregate	First Class
50%andabovebutlessthan 60% marks in Aggregate	Second Division	50%andabovebutlessthan 60%marksinmajor Courses in aggregate	Second Class
40%and above but less than50% marks in aggregate	Simple pass	40%andabovebutlessthan 50% marks in major in aggregate	Simple pass(the same degree shall be treated as general degree for B.A./ B.Sc.programme

A student who secures 60%and above marks in all the courses individually in all the semesters shall be declared have passed with first division (in case of the students pursuing General programmes) with *distinction* or first class (in case of the students pursing Major/Speciality Programmes) with *distinction*.

CBCS Programme

	Letter Grade with Meaning	Grade Point
O	Outstanding	10(Marks securing above 95%)
A+	Excellent	9(Marks securing 85%-95%)
A	Very Good	8 (Marks securing 75%-85%)
B+	Good	7(Marks securing 65%-75%)
B	Above Average	6 (Marks securing 55%- 65%)
C	Average	5 (Marks securing 50%-55%)
P	Pass	4 (Marks securing 45%-50%)
F	Fail	0 (Marks securing below 45%)

Internal Evaluation Mechanism

As per Dibrugarh University CBCS Board evaluation regulation/notification 20 marks is allotted for IA in each paper out of 100 marks. For the internal assessment schedule class assessment test and sessional examination, assignment and seminar presentation, laboratory work is given to the students as per academic calendar of the institution. Evaluation method comprises of internal examination/sessional examination held progressively during the semester. After valuation answer sheets are shown to all the students and answer are also discussed with the students. Marks are displayed on date mentioned in the academic calendar or date

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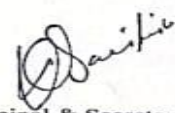Website : www./jorhatkendriyamahavidyalaya.in

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notified by the Examination Board. There is complete transparency in the internal assessment for each assessment method and out of 20 IA marks we assess the students as following mechanism-

Criteria	Allotted marks	Assessment criteria	Assessment Marks/ Marks awarded
Attendance	5	95% and above attendance	5
		85% to 95% attendance	4
		75% to 85% attendance	3
		65 to 75% attendance	2
		Below 65% attendance	Nil
Sessional Examination 1st Sessional Exam= 5 2nd Sessional Exam =5	10	Obtain 0-10 marks out of 40 marks	2
		Obtain 11-20 marks out of 40 marks	3
		Obtain 21-30 marks out of 40 marks	4
		Obtain 31-40 marks out of 40 marks	5
Seminar/ Group Discussion	3	Participation with presentation	3
		Participation without presentation	1

Controller of Examination

Principal & Secretary
Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

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Office of the Controller of Examinations
Jorhat KendriyaMahavidyalaya

Examination Hierarchy

a) Officer In-charge/ Principal
b) Controller of examinations
c) Deputy Controller of Examination
d) Asstt .Controller of Examinations (Distance)
e) Assttt. Officer In-charge of the examination

Conduct of Examinations:

BA/BSc : Unit Test, Seminar & Group Discussion, Field Study, 1st & 2nd Sessional Examinations, Practical Examination, Viva- Voce, Odd &Even Semester Examinations

BA/BSc (Distance): 1st, 2nd 3rd Semester final Examination

MA/MSc: Previous & Final examinations

Rules of Conduction of Unit Test and Sessional Examination:

1. Unit test examinations for HS 1st & 2nd Year will be held in every quarterly comprising 25 marks for each subject and papers
2. The time for the unit test examinations will be 30 minutes
3. The unit test examinations will be conducted by department concerned.
4. For smooth conduction of unit test examinations each department divide the students into three groups (each group comprising 5o students in a 150-capacity batch)
5. Examinations will be conducted in their allotted class (30 minutes for each group). Every one hour duration class will be divided into 30 minutes for each group.
6. For unit test there will be no centrally conducted routine. Each faculty will take initiatives individually for conduction of unit test in his/her allotted class duration (1hour)
7. For conduction of unit test the answer book will be prepared by the grade-IV employee of the College specially who are usually engaged in this task. Concerned faculty willmake arrangement for preparation of question papers and answer scripts.
8. Since evaluation of answer scripts will be made by the college, therefore the answer scripts will be distributed just over the examinations. There will be time limit for evaluation of answer scripts.
9. There is no any remuneration for AOC, the invigilators evaluators & grade IV for the work conduction of annual examinations.

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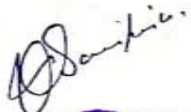Website : www./jorhatkendriyamahavidyalaya.in

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Sessional Examinations

1. For semester course (under CBCS) in each semester, these will be two sessional examinations.
2. The full marks for each sessional examination will be 5o% of full paper i.e 4o marks for each paper.
3. The 1st sessional examination will be held as per university academic calendar or the academic calendar of the college.
4. The 1st sessional examination will cover the 50% of the syllabus.
5. The question papers will be of 4o marks and time will be of 1 and half hours.
6. For conduction of sessional examination, the college authority will appoint faculties for each and every semester as Assistant Officer In-charge of the examination. He/She will look after and carry the whole affairs of the examination concerned. He/She will be distributed the answer scripts to the concerned HOD's of the department and give fixed time table for evaluation of the answer scripts.
7. After completion of the evaluation process the concerned HOD's will notify the marks obtained by the students in the college notice board.
8. The question papers for the sessional examination will be prepared in soft copy and hard copy mode by the concerned faculties and will be submitted to the HODs of the departments. Thereafter the HODs will submit the same to the concerned AOC's of the examinations.
9. Like 1st sessional examinations the 2nd sessional examinations will also be conducted by the college.

End Semester Examination

1. The end semester examinations will be started as per the routine served by the university.
2. For conduction of the end semester examinations, the board of examinations meeting will be convened before commencement of the examination. The board of examinations meeting will decide and take decisions about the nomination of the name of the faculties who will be entrusted the charge of AOC of the examinations. Thereafter, Principal appoint the faculties as AOC's of concerned and semester examinations nominated by the Board of Examination's meeting.
3. There will be two AOC for each end semester examinations, One from Arts stream and another from science stream.
4. The ratio of invigilators and examinees 1:30 will be strictly followed.
5. The mobile phones, digital watch and other electronic gadgets shall be strictly prohibited inside the examination halls/centre. If the aforesaid items are found in possession of any of the candidates inside the examination halls, the same will be dealt strictly as per the examination ordinance of the Dibrugarh University.
6. The invigilators shall not carry mobile phones inside the examination halls.
7. The mobile phones are strictly prohibited inside the confidential rooms/strong rooms of the examination centers. Only officer in-charge may carry his/her mobile phones and shall use only when it becomes extremely necessary.
8. Calculators may be used by the candidates. However, candidates are not allowed to borrow from or share the calculator with other candidates during the examinations. The calculators shall be kept on the desk in full view of the invigilators throughout the examination

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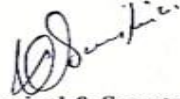Re-accredited by NAAC with Grade B++

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9. Stringent adherence to the norms be ensured in handling the packets of the question papers at every step from treasury or the police stations to the opening of the packets at the college centre.

10. The invigilators shall maintain a statement of additional sheets supplied to the candidates for each examination. The signature of the concerned candidate shall be taken against the serial no of the additional sheets supplied to him/her.

11. The officer in-charge of the centre shall have the authority to expel a candidate from an examination, if the candidate breaks any rule or instructions for which he/she is liable to be expelled, or resort to any disorderly conduct or adopts any unfair means. If the officer in-charge decides to expel a candidate, he /she shall obtain a statement in the prescribed format from the candidate and two invigilators shall sign it as witness.

12. For community College courses and distance examinations of Dibrugarh University under DODL, under Centre for Distance and Online Education under Tezpur University and KKHOSU will be same as stated in earlier.

Controller of Examination

Principal & Secretary

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