



First terminal examination-2020
B Sc. 1st Semester (Core)
Sub: Inorganic Chemistry
Course No. : CHEMISTRY-C-101
Total marks: 30

(No of copy=09)

Time: 2 hours

1. Answer the following:

(1×4=4)

Choose the correct answer (from i to iii)

- i) Heisenberg's uncertainty principle is
(a) $\Delta x \cdot \Delta P = h/4\pi m$
(b) $\Delta x \cdot \Delta P = h/mv$
(c) $\Delta x \cdot \Delta P \geq h/4\pi m$
(d) $\Delta x \cdot \Delta P \leq h/4\pi m$
- ii) The total number of radial node obtained for 4s orbital is
(a) 1
(b) 0
(c) 3
(d) 5
- iii) Significant results obtained using de Broglie equation only for
(a) Microscopic particles
(b) Macroscopic particles
(c) Both (a) and (b)
(d) None of the above
- (iv) What is effective nuclear charge?

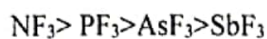
2. Answer the following questions:

(any six)

(2×6=12)

- (a) Write Schrodinger's wave equation and give the meaning of the terms used there.
- (b) Give the significance of wave function Ψ and Ψ^2 .
- (c) Which orbital has higher energy 3d or 4s? Explain by using (n + l) rule.
- (d) Give the significance of Azimuthal quantum number (l).
- (e) State Pauli's exclusion principle with a suitable example.
- (f) Explain -Electron affinity values of C, Si, Ge and Sn decreases from C to Sn.
- (g) First, second and third ionization energy of boron atoms are 800 kJ/mol, 2427 kJ/mol and 3658 kJ/mol respectively. Explain these values.
- (h) Explain the order of bond angle of the following compounds

P. B. B. B.
HoD. Department of Chemistry
Joya Gogoi College, Khumtai



3. Draw radial probability distribution curves for 2s and 2p orbital. 3
4. Give three conditions which Ψ must satisfy to give meaningful solution. 3
5. Using Slater's rule calculate the effective nuclear charge of the following: (2.5×2=5)
- (a) 3d electron of Cr atom
 - (b) 4s electron of Cu atom
 - (c) At the periphery of Fe atom.
6. What is Electronegativity? Explain Allred and Rochow Approach of the determination of Electronegativity. 3

Parkin
HoD. Department of Chemistry
Joya Gogoi College, Khuntal

3rd Semester
First Sessional Examination, 2022
Organic Chemistry
Paper: C-6
Total Marks: 25
Time: 1 hour



1. Which one is more reactive towards S_N^1 reaction? 1
 (i) $C_6H_5CH_2Br$ (ii) $C_6H_5CH(C_6H_5)Br$ (iii) $C_6H_5CH(CH_3)Br$ (iv) $C_6H_5C(CH_3)(C_6H_5)Br$

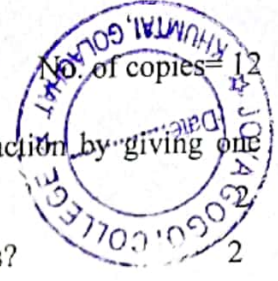
2. Which of the following is an S_N^1 reaction? 1
 (i) $CH_3CH_2OH + SOCl_2 \longrightarrow$
 (ii) $CH_3CH_2Br + KOH \longrightarrow$
 (iii) $CH_3CONH_2 \xrightarrow{\Delta}$
 (iv) $CH_3COOH \xrightarrow{\Delta}$

3. Answer the following questions: (any four) 2 × 4 = 8
 (a) Discuss two methods of preparation of alkyl halide
 (b) Discuss the S_N^1 mechanism with example.
 (c) What products do you expect when neopentyl iodide undergoes slow S_N^1 and S_N^2 reactions respectively?
 (d) In all S_N^2 reactions, the rate increases with increasing polarity of the solvent. Explain.
 (e) Discuss the relative reactivity of alkyl, vinyl and aryl halide towards nucleophilic substitution reaction.

4. Answer any two of the following questions: 3 × 2 = 6
 (a) Prepare a secondary and tertiary alcohol using Grignard reagent CH_3MgBr
 (b) Write short notes on Boveault-Blanc reduction.
 (c) Explain the following: (In short)
 (i) Lower alcohols are soluble in water while higher members are not.
 (ii) The ease of dehydration of alcohol is Tertiary (3°) > Secondary (2°) > Primary (1°)
 (d) Explain the mechanism of Baeyer-Villiger oxidation with a suitable example.

5. Answer the following questions:

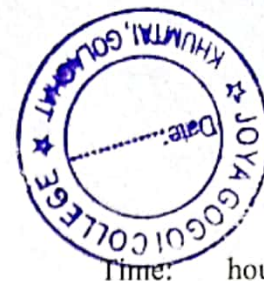
Packer
 HoD, Department of Chemistry
 Joya Gogoi College, Khumtal



- i. What is the catalyst used in Rosenmund's reaction? Write the reaction by giving one example? 2
- ii. What is the advantage of using Oppenauer oxidation? Give examples? 2
- iii. What is Aldol reaction? Write the mechanism of the base catalyzed Aldol condensation? 3
- iv. The formation of cyanohydrin from a ketone is an example of 1
 - a. electrophilic addition
 - b. nucleophilic addition
 - c. nucleophilic substitution
 - d. electrophilic substitution
- v. Benzaldehyde when reacts with aqueous/alcoholic KCN forms: 1
 - a. Benzoin
 - b. Benzene
 - c. Phenylecyanide
 - d. Phenyl isocyanide

P. S. S. S.
Prof. Department of Chemistry
Joya Gogoi College, Assam

First terminal examination, 2021
B Sc. 1st Semester (Core)
Sub: Physical Chemistry
Course No. : CHEMISTRY-C-102
Total marks: 40



(1×10=10)

1. Answer the following questions: (any ten)

Choose the correct answer from the following

(i) Which of the following is not a weak electrolyte?

- (a) NH_4OH
- (b) CH_3COOH
- (c) CH_3CN
- (d) HCl

(ii) The pH of 10^{-8}M HCl solution is

- (a) 6.96
- (b) 8
- (c) 5.5
- (d) 6

(iii) In common ion effect, the dissociation of the weaker electrolyte is

- (a) Accelerated
- (b) Lowered
- (c) No change in the reaction
- (d) None of the above

(iv) For one mole of a gas, the kinetic energy is given by

- (a) $E = \frac{3}{2} R$
- (b) $E = \frac{1}{2} RT$
- (c) $E = \frac{5}{2} RT$
- (d) $E = \frac{7}{2} RT$

(v) The free path is the distance travelled by the molecule

- (a) after collision
- (b) in one second
- (c) before collision
- (d) in one minute

(vi) What is collision diameter?

(vii) The temperature at which a gas obeys the ideal gas laws at a given range of pressure is

- (a) critical temperature
- (b) reduced temperature
- (c) Boyle's temperature

Pachian
HoD. Department of Chemistry
Joya Gogoi College, Khumtai

(d) All of the above

(viii) The ratio of r.m.s velocities of H_2 and O_2 is

(a) 1:16

(b) 1:8

(c) 1:32

(d) 16:1

(ix) Which one of the following relations is correct?

(a) $V_c = 3b$

(b) $P_c = a/27Rb^2$

(c) $T_c = 8a/27Rb$

(d) none of the above

(x) With increasing temperature viscosity of liquid

(a) increases

(b) decreases

(c) first decreases and then increases

(d) does not change

(xi) The term parachor is related to

(a) Surface tension

(b) Hydrogen bonding

(c) pH

(d) Solubility

(xii) In the titration of HCl vs NaOH, the suitable indicator is

(a) Phenolphthalein (b) Methyl orange (c) Both (a) and (b) (d) None of these

2. Answer the following: (any eight)

(2×8=16)

(a) Find out the ratio between $C_{mp}:C_{av}:C_{rms}$?

(b) What is collision no? What is the collision number for unlike molecules?

(c) Calculate the temperature at which the average velocity of oxygen equals that of hydrogen at 20 K

(d) What are the factors that affect the degree of ionization of an electrolyte?

(e) What is common ion effect? Explain with an example.

(f) What is the effect of pH on temperature? Calculate the pH for 10^{-3} M H_2SO_4

(g) What is meant buffer capacity or buffer index?

(h) What is mean free path? Write down the relation between mean free path and coefficient of viscosity.

(i) Discuss the effect of temperature on viscosity of gases.

(k) What is coefficient of viscosity of liquid? Give its SI unit.

(l) Discuss the role of detergents in cleansing action.

Parkia

1st Sessional Examination, 2022
 B.Sc. 5th Semester
 Organic Chemistry
 Paper: C-501
 Total marks: 25



Time: 1 hour

1. What is retrosynthetic analysis? What are synthon and synthetic equivalent? 1+2 = 3
 2. Discuss the functional group interconversion (FGI) with a suitable example. 3
 3. Write the synthetic equivalent of the following synthon (Any three). 3x1=3
 R^+ , $RC^+H(OH)$, $PhCH_2^+$, NO_2^+
 4. Carryout the retrosynthetic analysis of the following compound. Also identify the synthons and synthetic equivalents. 2+2=4
-
5. Define the term Nucleoside & Nucleotide? Give examples. 2
 6. Which purine and pyrimidine bases are present in DNA and RNA? 2
 7. Write the different types of nucleic acids. Draw the structures of the same. 3
 8. What do you mean by replication of nucleic acids? 2
 9. Write one synthesis reaction of Guanine or Urea. 2
 10. Write two differences between DNA and RNA? 1

P. Sankar
 HoD. Department of Chemistry
 Joya Gogol College, Khuntal

1st Sessional Examination, 2022
B.Sc. 5th Semester
Green Chemistry
Paper: DSE-502
Total marks: 25



Time: 1 hour

1. What is green chemistry? What is the need for Green Chemistry? What is the goal of Green Chemistry? 4
2. How the synthesis method can be designed to reduce the byproducts 4
3. What do you mean by Atom economy? How can you calculate the atom economy of rearrangement and addition reaction? 5
4. Give an example of green solvent. 1
5. Name the persons who developed the principles of Green Chemistry. 2
6. Give the name of three green house gases. 3
7. Explain any six principles of Green Chemistry. 6x1=6

Baikia
HOD, Department of Chemistry
Joya Gogoi College, Khumtal



1st Sessional Test- 2020-21

MIL (যোগাযোগমূলক অসমীয়া)

B.A. 1st Semester

Time : 1½ hrs.

Marks: 20

১। চমু উত্তৰ দিয়া

১ x ৫ = ৫

- (ক) 'যোগাযোগ শব্দটো কোন ভাষাৰ পৰা আহিছে?
- (খ) 'যোগাযোগ কলা' গ্ৰন্থৰ লেখক কোন?
- (গ) যোগাযোগৰ ক্ষেত্ৰত শৰীৰৰ ভাষা সম্পৰ্কে অধ্যয়ন কৰা শাখাটোক ইংৰাজীত কি বোলে?
- (ঘ) কখনৰ বেগক যোগাযোগৰ কোন ভাগত অন্তৰ্ভুক্ত কৰিব পাৰি?
- (ঙ) কণ্ঠস্বৰৰ কম্পন মানে?

২। উত্তৰ দিয়া (দুটাৰ)

৪ x ২ = ৮

- (ক) যোগাযোগ বুলিলে কি বুজা? ইয়াৰ শ্ৰেণী বিভাজন কেনেকৈ কৰা হৈছে লিখা।
- (খ) সফল যোগাযোগৰ প্ৰধান চৰ্তসমূহ লিখা।
- (গ) শব্দ ভাঙাৰ কেই প্ৰকাৰৰ; প্ৰত্যেকৰে পৰিচয় দিয়া।

৩। ভাল লেখনৰ গুণাৱলীসমূহ চমুকৈ লিখা।

৭

অথবা

সফল যোগাযোগৰ বাবে বাক্য গাঁথনি কেনে হোৱা প্ৰয়োজন চমুকৈ আলোচনা কৰা।

○○○○

HOD Department of Assamese
Jyoti Gogoi College, Khumtai

Sessional Test - 2021

H.S. 2nd Year

Sub. - MIL (Assamese)

Time : 2 hours



১। যিকোনো এটাৰ উত্তৰ লিখা :

১x৫=৫

লক্ষ্মীনাথ বেজবৰুৱাই মাতৃভূমিলৈ কৰা ৰেল যাত্ৰাত হোৱা বিৰক্তিকৰ পৰিস্থিতিৰ বিষয়ে "মোৰ মাতৃমুখ দৰ্শন" পাঠটিৰ আধাৰত বিচাৰ কৰা।

(ৰ) 'মগনিয়াৰ' কবিতাৰ মূলভাৱটো লিখা ?

(গ) প্ৰসংগ সংগতি দৰ্শাই ব্যাখ্যা কৰা : "প্ৰকৃততে মহাপুৰুষসকলৰ পদাংক অনুকৰণ কৰি প্ৰত্যেক মানুহে নিজৰ উন্নতিৰ পথেৰে পৰিচালিত কৰিব পাৰে।"

(ঘ) 'মংগলদায়ক হাতী'ৰ লক্ষণ সম্পৰ্কে 'হস্তিবিদ্যাৰ্ণৱ' পুথিত থকা বিৱৰণটি নিজৰ ভাষাত লিখা।

২। যিকোনো তিনিটাৰ উত্তৰ লিখা :

৩x৩=৯

(ক) ভাৰতীয় আদৰ্শত ত্যাগ আৰু বৈৰাগ্য বুলিলে কি বুজা চমুকৈ আলোচনা কৰা।

(ৰ) সত্য আৰু ধৰ্ম সম্পৰ্কে তৈত্ত্বীয় উপনিষদৰ কথাখিনি নিজৰ ভাষাত লিখা।

(গ) চিঠি গল্পটোৰ নামকৰণৰ তাৎপৰ্য কি ?

(ঘ) প্ৰথমখন অসমীয়া পৰীক্ষামূলক কথাছবিসম্পৰ্কে চমুকৈ লিখা।

(ঙ) 'বৈজ্ঞানিক মানসিকতা' বুলিলে কি বুজা ?

৩। চমুউত্তৰ দিয়া :

১x৩=৩

(ক) 'মোৰ মাতৃ মুখদৰ্শন' পাঠটি ক'ৰ পৰা সংগ্ৰহ কৰা হৈছে ?

(খ) অসমীয়া ভাষাত প্ৰথম 'কথাকবিতা' কোনে ৰচনা কৰিছিল ?

(গ) আনন্দৰাম বৰুৱাৰ জীৱনৰ মূলমন্ত্ৰ কি আছিল ?

৪। (ক) যিকোনো এটা কবিতাৰ মূলভাৱ লিখা :

১x৪=৪

(ক) বৰগীত, (খ) জনতাৰ আহ্বান (গ) কৰুণতম

2nd Sessional Test - 2022

Class : 2nd Semester

Sub : Assamese (H)

Title : ভাষা বিজ্ঞানৰ পৰিচয়

Paper Code : C - 3



Time : 1 hour

Marks : 25

১। উত্তৰ লিখা। (এটাৰ)

১x১২=১২

- (ক) ৰূপ বিজ্ঞান আৰু ৰূপতত্ত্ব বুলিলে কি বুজা? ৰূপতত্ত্বৰ প্ৰধান স্তৰ কেইটাৰ পৰিচয়মূলক টোকা প্ৰস্তুত কৰা।
- (খ) ভাষা বৰ্গীকৰণ মানে কি? ভাষাৰ বৰ্গীকৰণৰ বিভিন্ন প্ৰকাৰসমূহৰ এটি পৰিচয়মূলক টোকা প্ৰস্তুত কৰা।
- (গ) ভাৰতবৰ্ষত ভাষা চৰ্চাৰ ইতিহাস সম্পৰ্কে চমুকৈ আলোচনা কৰা।
- (ঘ) আকৃতিৰ পৰা প্ৰাকৃতি নিৰ্ণয় কেনেকৈ কৰা হয় আলোচনা কৰা।

২। চমুটোকা লিখা। (দুটাৰ)

১x১২=১২

- (ক) সামাজিক উপভাষা (খ) ভাষা পৰিয়াল
- (গ) ইন্দোইউৰোপীয় ভাষা পৰিয়াল (ঘ) ফাৰ্ডিগাণ্ড্য চ্যুৰ
- (ঙ) নোৰামচমস্কি

৩। উত্তৰ দিয়া।

১x৩=৩

- (ক) 'পাণিনি'ৰ অষ্টাধ্যায়ী ব্যাকৰণক 'মানৱ মহত্বৰ সৰ্বোৎকৃষ্ট নিদৰ্শন' বুলি কোনে কৈছিল?
- (খ) ইন্দোইউৰোপীয় নামকৰণ কোনে কৰিছিল?
- (গ) খাচী ভাষা কোন ভাষা পৰিয়ালৰ?

HOD. Department of Assamese
Joya Gogo, College, Khuntal

1st Sessional Test - 2022

Class : BA 2nd Semester

Sub : Assamese (H)

Title : ভাষা বিজ্ঞানৰ পৰিচয়

Paper Code : C - 3



Time : 1 hour

Marks : 25

১। উত্তৰ লিখা। (এটাৰ)

১x১২=১২

(ক) ভাষা বুলিলে কি বুজা পাচ্য আৰু পাশ্চাত্য পণ্ডিতৰ মতৰ আধাৰত লিখি ভাষাৰ বিশেষত্বসমূহ আলোচনা কৰা।

(খ) ভাষাবিজ্ঞান কাক বোলে? ভাষা বিজ্ঞানৰ বিভিন্ন শাখাসমূহ উল্লেখ কৰি এটি আলোচনা প্ৰস্তুত কৰা।

(গ) ভাষা বিজ্ঞান কাক বোলে? ভাষা বিজ্ঞানৰ প্ৰধান শাখা কেইটাৰ চমু পৰিচয় দিয়া।

(ঘ) ধ্বনি বিজ্ঞান বুলিলে কি বুজা? ধ্বনি বিজ্ঞানৰ প্ৰধান কাম কি? ইয়াৰ প্ৰধান শাখা কেইটাৰ চমু পৰিচয় দিয়া।

২। চমুটোকা লিখা। (এটাৰ)

৫x২=১০

(ক) আন্তঃৰাষ্ট্ৰীয় ভাষা

(খ) নৃ গোষ্ঠীয় উপভাষা

(গ) কেঅ'ল

(ঘ) মনোভাষা বিজ্ঞান

(ঙ) অৰ্থতত্ত্ব

৩। চমু উত্তৰ লিখা।

১x৩=৩

(ক) এটা সংযোগী ভাষাৰ নাম লিখা।

(খ) বৰ্ণনাত্মক ভাষাবিজ্ঞানৰ এটা উদাহৰণ দিয়া।

(গ) 'ধ্বনি বিজ্ঞানৰ ভূমিকা' কাৰ ৰচনা?

HoD, Department of Assamese
Jyoti Gogoi College, Khuntia

Total Printed Pages-1

1st Sessional Test - 2021

5th Sem TDC ASMH (CBCS) C₁₂

Sub. - Assamese (Core)

Paper - C₁₂

অসমীয়া ভাষাৰ ভাষা বৈজ্ঞানিক অধ্যয়ন

Time - 1½ hrs

Full Marks - 40

Pass Marks - 16

1 x 4 = 4

১। উত্তৰ দিয়া :

- (ক) 'অসমীয়া বৰ্ণ প্ৰকাশ' গ্ৰন্থখনৰ ৰচক কোন?
- (খ) অসমীয়া ভাষাৰ সমীভৱনৰ এটা উদাহৰণ দিয়া।
- (গ) অসমীয়া ভাষাৰ লিংগ ব্যাকৰণগত হয় ধ্বনি।
- (ঘ) ধ্বনি আৰু বৰ্ণ একে হয়নে?

২। উত্তৰ লিখা।


13 x 2 = 26

- (ক) বাগিন্দ্ৰিয়ৰ চিত্ৰ আঁকি বিভিন্ন অংগসমূহৰ পৰিচয় দিয়া।
- (খ) অসমীয়া ভাষাৰ স্বৰ আৰু ব্যঞ্জনবৰ্ণৰ তালিকা প্ৰস্তুত কৰি প্ৰতিটো বৰ্ণৰে আদি স্থানত বিৰোধ বিচাৰ কৰা।
- (গ) অসমীয়া ভাষাৰ প্ৰাকৃতিৰ শ্ৰেণীবিভাজন সম্পৰ্কে চমুকৈ আলোচনা কৰা।
- (ঘ) অসমীয়া ভাষাৰ বাক্য গঠন সম্পৰ্কে চমুকৈ আলোচনা কৰা।
- (ঙ) অসমীয়া ভাষাৰ স্বৰ সংযুক্তি অথবা ব্যঞ্জন সংযুক্তিৰ বিষয়ে চমুকৈ আলোচনা কৰা।
- (চ) অসমীয়া ভাষাৰ ক্ৰিয়া পদৰ গঠন সম্পৰ্কে আলোচনা কৰা।

৩। চমুটোকা লিখা (দুটাৰ)

5 x 2 = 10

- (ক) সমীভৱন,
- (খ) অক্ষৰ
- (গ) অসমীয়া ভাষাৰ লিংগ
- (ঘ) জটিল বাক্য আৰু ইয়াৰ গঠন
- (ঙ) বাক্যৰ অৰ্থগত যোগ্যতা।


HoD Department of Assamese
Joya Gogoi College, Khumtai

Total Printed Pages-1

1st Sessional Test - 2021

5th Sem TDC ASMH (CBCS) DSE - 2

Sub. - Assamese (Core)

Paper - DSE-2

(ভাৰতীয় সাহিত্যৰ পৰিচয়)



Time - 1½ hrs

Full Marks - 40

১। উত্তৰ লিখা :

1 x 4 = 4

- (ক) 'তুলনামূলক সাহিত্য'ক সৃষ্টিশীল সাহিত্য বুলিব পাৰিনে?
- (খ) 'বিশ্ব সাহিত্য'— অভিধাটি প্রথমে কোনে ব্যৱহাৰ কৰিছিল?
- (গ) প্ৰেমচন্দ্ৰৰ এটি গল্পৰ নাম লিখা।
- (ঘ) 'তুলনামূলক ভাৰতীয় সাহিত্য' গ্ৰন্থখনৰ লেখক কোন?

২। উত্তৰ কৰা (যিকোনো দুটা)

13 x 2 = 26

- (ক) ভাৰতীয় সাহিত্যৰ উৎপত্তি আৰু বিকাশ সম্বন্ধে চমু আলোচনা কৰা।
- (খ) 'বনলতা সেন' কবিতাটিত প্ৰতিফলিত হোৱা আধুনিক জীৱনধাৰা কেনেকৈ তুলি ধৰা হৈছে— আলোচনা কৰা।
- (গ) ৰবীন্দ্ৰনাথ ঠাকুৰৰ 'শান্তি' গল্পটোৰ মাজেদি পাৰিবাৰিক জীৱনৰ চিত্ৰ কেনেদৰে প্ৰতিফলিত হৈছে — আলোচনা কৰা।
- (ঘ) ভাৰতীয় উপন্যাসৰ চমু পৰিচয় দাঙি ধৰা।
- (ঙ) 'হানুছ' নাটকখনৰ কাহিনী ভাগৰ আলোচনা কৰা।

৩। চমুটোকা (যিকোনো দুটা)

5 x 2 = 10

- (ক) ভাৰতীয় উপন্যাস
- (খ) ভীষ্ম সাহনী
- (গ) ৰবীন্দ্ৰনাথ ঠাকুৰ
- (ঘ) মুক্ৰৰাজ আনন্দ।

HoD Department of Assamese
Joya Gogoi College, Khumtai

1st Sessional Test- 2019

4th Semester
Assamese (Major)
Course : 401
(অসমীয়া গদ্য সাহিত্য)



Time : 1½ hrs.

Marks: 40

১। উত্তৰ লিখা।

১ X ৫ = ৫

- (ক) 'গুৰুচৰিত কথা' কোনে সম্পাদনা কৰিছিল?
(খ) বেণুধৰ শৰ্মাৰ এখন গ্ৰন্থৰ নাম লিখা।
(গ) সূৰ্যকুমাৰ ভূঞাই সম্পাদনা কৰা বুৰঞ্জীখনৰ নাম কি?
(ঘ) পূৰ্ববী বৰমুদৈৰ এখন গল্প সংকলনৰ নাম লিখা।
(ঙ) 'হামদৈ পুলৰ জোন' গল্পটিৰ গল্পকাৰ কোন?

২। 'অসমীয়া বুৰঞ্জী সাহিত্য' অথবা 'গুৰু চৰিত কথা'ৰ গদ্যবীতি সম্পৰ্কে আলোচনা কৰা।

১০

৩। বেণুধৰ শৰ্মাই 'আলহী' সম্পৰ্কে কেনেধৰণে আলোচনা কৰিছে, বুজাই লিখা।

১০

অথবা

'ঢেকী' সম্পৰ্কে লেখকে অসমীয়া সমাজ জীৱনত কেনেধৰণৰ প্ৰভাৱৰ কথা বৰ্ণনা কৰিছে — আলোচনা কৰা।

৪। নামঘৰীয়া উপন্যাসত অসমীয়া গ্ৰাম্য সমাজৰ চিত্ৰ কেনেদৰে প্ৰকাশ পাইছে, আলোচনা কৰা।

১০

অথবা

উপন্যাসিক হিচাপে অতুলানন্দ গোস্বামীৰ প্ৰতিভা 'নামঘৰীয়া' উপন্যাসৰ আধাৰত আলোচনা কৰা।

৫। স্পন্দন গল্পটোৰ কেন্দ্ৰীয় বিষয়বস্তুৰ চমু পৰিচয় দিয়া।

অথবা

সৌৰভ কুমাৰ চলিহা গল্পবীতিৰ চমু পৰিচয় দিয়া।


HoD, Department of Assamese
Jyoti Gogoi College, Khumtai

1st Sessional Test- 2019

6th Semester

Assamese (Major) Course : 60

(ভাষা সাহিত্য অধ্যয়নৰ বিবিধ দিশ)



Time : 1½ hrs.

১। উত্তৰ লিখা।

১ X ৫ = ৫

- (ক) 'ওজাপালি' কোন শ্ৰেণীৰ গণমাধ্যম?
- (খ) 'গুটেনবাৰ্গ' কোন?
- (গ) ভাৰতৰ প্ৰথম বাতৰি কাকতখনৰ নাম কি?
- (ঘ) TRP কি?
- (ঙ) নব্য গণমাধ্যম এটিৰ নাম লিখা।

২। গণ মাধ্যম বুলিলে কি বুজা? ইয়াৰ প্ৰকাৰসমূহৰ চমু পৰিচয় দি আলোচনা কৰা।

অথবা

২+৮=১০

গণমাধ্যমৰ সংজ্ঞা নিৰ্ণয় কৰি ইয়াৰ গুৰুত্ব সম্পৰ্কে আলোচনা কৰা।

৩। সংবাদ কাক বোলে? সাংবাদিকতাৰ নৈতিক দায়িত্ব সম্পৰ্কে চমুকৈ লিখা।

অথবা

বিজ্ঞাপনৰ উদ্দেশ্য কি? বিজ্ঞাপন কেনে হোৱা উচিত চমুকৈ লিখা। ২ + ৪ = ৬

৪। 'বেডিঅ' নাইবা দূৰদৰ্শনৰ সুবিধা-অসুবিধা উল্লেখ কৰা। ৪

৫। সাহিত্যত সমাজত্বৰ বিচাৰৰ প্ৰয়োজনীয়তা সম্পৰ্কে আলোচনা কৰা। ১০


অথবা

তোমাৰ ভাল লগা এখন গ্ৰন্থৰ সমাজতাত্ত্বিক দিশৰ আলোচনা কৰা।

৬। চমুটোকা (যিকোনো এটা)

৫

- (ক) পৰম্পৰাগত লোকমাধ্যম।
- (খ) অসমৰ দৈনিক সংবাদপত্ৰ।
- (গ) অসমীয়া আলোচনী।
- (ঘ) পাণ্ডুলিপি সম্পাদনা।
- (ঙ) অসমীয়া অভিধান চৰ্চা।


HoD Department of Assamese
Joya Gogoi College, Khumtai

1st Sessional Test- 2019

6th Semester
Assamese (Major)
Course : 604
(বিশ্ব সাহিত্যৰ পৰিচয়)



Time : 1½ hrs.

Marks: 40

১। পোনপটীয়া উত্তৰ লিখা।

১ X ৫ = ৫

- (ক) মোপাছাঁ কোন শতিকাৰ গল্পকাৰ ?
(খ) 'অশ্রুতীৰ্থ' নাটকত বজা প্ৰতাপসিংহই কাক তামুলী ফুকন পাতিছিল ?
(গ) শকুন্তলাৰ দুগৰাকী সখীৰ নাম লিখা।
(ঘ) আফ্কেৰ কোনজনী জীয়েক বন কৰা ছোৱালী ৰূপে নগৰত আছিলগৈ ?
(ঙ) অ' হেনৰীৰ এখন গল্পপুথিৰ নাম লিখা।

২। 'অশ্রুতীৰ্থ' নামটকৰ এটি চমু বিশ্লেষণ দাঙি ধৰা।

১০

অথবা

অ' হেনৰীৰ 'উপহাৰ' গল্পটিত প্ৰেমৰ মহত্ব কেনেদৰে ঘোষিত হৈছে আলোচনা কৰা।

৩। মোপাছাঁৰ 'হীৰাৰ হাৰ' গল্পটিত দাৰিদ্ৰ্যৰ ছবি আৰু নাৰীৰ মনস্বত্ব বিশ্লেষণ কৰা।

১০

অথবা

শকুন্তলাৰ ভৱিষ্যত জীৱনক লৈ দুই সখীয়ে কেনেদৰে প্ৰতিক্ৰিয়া প্ৰকাশ কৰিছে, চমুকৈ লিখা।

৫। চমুটোকা লিখা (যিকোনো এটাৰ)

- (ক) বজা প্ৰতাপসিংহ
(খ) আফ্কে

Head Department of Assamese
Jyoti Gogoi College, Khuntai

1st Sessional Test -2021

BA 5th Semester
Education (Major)
Course – 504
(Educational Technology)

Time – 1½ hrs

Marks – 40

1. Answer very Shortly (any four) – 1X4=4
- (a) Teaching is the task of teacher which to Performed for the development of a child-who said this?
 - (b) The word 'Communication to derived from world of ... Language.
 - (c) The English word 'Technology' originated from the Words 'technic' and 'logia'.
 - (d) Write one principle of learning.
 - (e) Write one characteristic of teaching.
2. Write short notes (any two) 3X2=6
- (a) Effective Teaching
 - (b) Lesson Plan
 - (c) Characteristic of learning
3. Discuss about the general Maxims of good teaching. 10
- Or
- Discuss about the Herbartian steps of lesson plan. 10

.....


H.O.D.
Department of Education
Joya Gogoi College, Khumy

1st Sessional Test, 2019

6th Sem (core)

Paper – 601, Sub – Education

Techniques and Methodology of Teaching

Time – 1 $\frac{1}{2}$ h.

Marks – 40

1. কেৱল উত্তৰ দিয়া : 1X5=5
- (a) শিক্ষাদান-শিক্ষাগ্ৰহণ প্ৰক্ৰিয়া বুলিলে কি বুজা?
What is teaching learning process?
- (b) শিক্ষণৰ এটা সাধাৰণ বিধি লিখা?
Write any one common maxim of teaching.
- (c) ত্ৰি-মাত্ৰিক সঁজুলিৰ এটা উদাহৰণ দিয়া?
Give an example of three-dimensional teaching aid.
- (d) অনুশিক্ষণৰ যি কোনো এটা বৈশিষ্ট্য লিখা?
Write any one characteristic of micro teaching.
- (e) NCERT ৰ সম্পূৰ্ণ ৰূপটো কি?
What is the full form of NCERT.
2. চমুটোকা লিখা : (যিকোনো তিনিটাৰ) 5X3=15
- Write short notes on : (Any three)
- (a) মূৰ্তৰ পৰা অমূৰ্তলৈ শিক্ষাদানৰ নীতি
The maxim of teaching from concrete to abstract
- (b) যিকোনো চাৰিটা শিক্ষাদানৰ বৈশিষ্ট্য
Any four characteristics of teaching.
- (c) শ্ৰেণীকক্ষৰ সংযোগ প্ৰক্ৰিয়াৰ অন্তৰায়সমূহ।
Barriers of effective classroom communication?
- (d) শিক্ষাদানৰ দুবিধ শ্ৰব্য সঁজুলিৰ বিষয়ে লিখা।
Write about two audio aids of teaching.



H.O.D.

Department of Education
Joya Gogoi College, Khumti

1ST Sessional Test, 2022
Sub- Education (Honours)
6TH semester, Course- 14
(Child and Adolescent Psychology)

Marks-25

Time-1hour

1. Write very short answer:

- a) Who is the father of child psychology?
- b) Write the origin of the word 'Society'.
- c) What is nutritious food?

1X3=3

H.O.D.
Department of Education
Joya Gogoi College, Khumtai
Jatbat - Selection

2) Write short notes on: (Any three)

4X3=12

- a) Questionnaire.
- b) Characteristics of childhood.
- c) Child biographies.
- d) Problems of malnutrition.

3. What do you mean by child psychology? Discuss the nature and scope of child psychology.

2+8=10

Or

What do mean by adolescent psychology? Explain the risks factors of adolescent period.

3+7=10

Or

Discuss about the role of parents and educational institutions in caring for the adolescent.

10

2nd Sessional Test, 2022
Sub- Education (Honours)
6TH semester, Course- 14
(Child and Adolescent Psychology)

Marks-25

Time-1hour

1. Write very short answer:

1X3=3

- a) Who wrote 'Emile'?
- b) Write one method of child psychology.
- c) Write one problem of adolescent psychology.

2) Write short notes on: (Any three)

4X3=12

- a) Recapitulation theory.
- b) Importance of adolescent psychology.
- c) Emotional problem of adolescent period.
- d) Youth culture theory.

3) Explain the importance of observation and clinical method in the study of child psychology.

10

OR

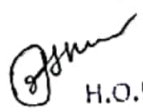
What is meant by mental development of a child? Explain about the role of home and school in developing the child.

2+8=10

OR

Discuss about the common adolescent problems in educational institutions today.

10


H.O.D.
Department of Education
Joya Gogoi College, Khumtai

1st Sessional Examination
BA 6th Sem honour
Paper C13(Emerging Trends in Indian Education)
2022

Marks:25
Time:1Hour

1. Answer the following questions:

1×3=3

- According to which amendment of Indian constitution education has been declared as fundamental rights?
- How many numbers of fundamental duties included in our constitution at present?
- what is the full form pf ICDS?

2. Write short notes(any three)

4×3=12

- Fundamental Rights of Indian Constitution
- Preamble of Indian constitution
- Cheallenges of Technical and vocational education .
- Inclusive Education

3. Answer any one of the following:

- Discuss the ideals of Indian Constitution. 10
- What do you mean by ECCE? Write the role of Anganwadis and Balwadis under ICDS. 2+8=10
- write the efforts of universalization of elementary education in India. 10


H.O.D.
Department of Education
Joya Gogoi College, Khumtai

1st Sessional Test, 2022
Sub- Education (Honours)
2nd semester, Course-03
(Psychological Foundation of Education)

Marks- 25

Time-1hour

1. Write very short answer:

1X3=3

- Who is the Father of Educational Psychology?
- Attention is dormant state of interest. (True/False)
- A teacher is born, not ---. (Fill up the gap)

2) Write short notes on :(Any three)

4X3=12

- Gestalt Psychology.
- Transfer of learning.
- Educational programmes of gifted children.
- Nature of Psychology.

3) What is educational psychology? Discuss about the nature and scope of educational psychology. 2+8=10

Or

What are Thorndike's laws of learning? Discuss briefly. 10

Or

What are the characteristics of gifted children? Mention the difference between creativity and giftedness. 4+6=10

2nd Sessional Test, 2022
Sub- Education (Honours)
2nd semester, Course-03
(Psychological Foundations of Education)

Marks- 25

Time-1hour

1. Write very short answer:

1X3=3

- Write one characteristic of intelligence.
- Who advocated Operant Conditioning?
- What is the first book on psychology?

2) Write short notes on: (Any three)

4X3=12

- Traits of creativity.
- Role of motivation in learning.
- Education of mentally challenged children.
- Contribution of functionalism to education

3) What is psycho-analysis? Write its contribution to the field of educational psychology. 4+6=10

Or

What is meant by learning by conditioning? Write briefly the educational implication of Pavlov's Conditioned response theory. 5+5=10

Or

Write about the Guilford's three Dimensional Model of Intelligence. 10

1st Sessional Test, 2023

Education (core)

BA 2nd Sem

Course: 201 (Psychological foundation in education)

Time: 1 hour

Marks: 25

1. Answer the following questions:

1x3=3

- a) Who is the father of psychology?
- b) The first psychological laboratory was established in—
- c) Operent conditioning was advocated by —

2. Write short notes (any three)


4x3=12

- a) Laws of learning
- b) Structuralism
- c) Nature of intelligence
- d) Creativity

3. Answer any one question:

10

- a) Discuss the personal variables of learning
- b) Discuss the types of learning
- c) Discuss the contribution of Gastsit to the development of educational psychology


H.O.D.
Department of Education
Joya Gogoi College, Khumtai

2nd Sessional Test, 2023

Sub: Education (Core), 2nd semester

Course Code: EDNH201

Course Title: Educational Psychology

Time: 1hrs

Marks: 25

1. Answer the following questions: 1x3=3

a) What is the 1st book on psychology?

b) Who is the father of structuralism?

c) The person associated with the Gestalt School are _____.

2. Write short notes on :(Any Three) 3x4=12

a) Transfer of learning.

b) Multifactor theory of Intelligent.

c) Relation between Instincts and Emotions.

d) Mental factor of personality.

3. What is educational psychology? Discuss the importance of educational psychology in education. 2+8=10

Or


Discuss three basic Laws of learning.

10

Or

What are the causes of backward or slow learner children? Write briefly.

10


H.O.D.
Department of Education
Joya Gogoi College, Khumtai

2nd SESSIONAL EXAMINATION 2022, SEMESTER III
JOYA GOGOI COLLEGE
DEPARTMENT OF PHYSICS



FULL MARKS: 45
PASS MARKS: 19

TIME: 3 HRS

1. (a) Write down the working principle of a heat engine? Obtain the coefficient of performance of a refrigerator. 5

(b) State second law of thermodynamics in terms of entropy of a system. Show that entropy is the measure of unattainable work of a system. 5

(c) Derive van der Wall equation of state. Calculate critical constant of a gas in terms of van der Wall equation. 5

2.(a) What is memory hierarchy of a computer system. Write the difference between ROM and RAM of a computer. 3+2

(b) Describe the working of a D-type and T-type flipflop with appropriate truth table and circuit diagram. 5

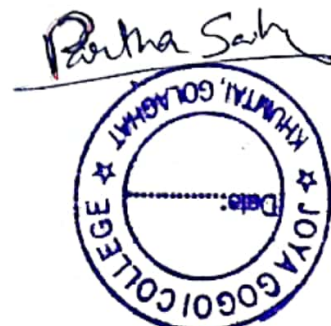
(c) What is a decade counter. With appropriate clock pulse, show the output pattern of a decade counter. 5

3.(a) What do you mean by the ordinary and singular point of a differential equation. State different types of singularity of a differential equation. Find the nature of the point $x = -1$, with reference to the following differential equation:

$$x^2(x+1)\frac{d^2y}{dx^2} - (x^2-1)\frac{dy}{dx} + 2y = 0 \quad \text{2+3+3}$$

(b) Solve the following using Frobenius method: 7

$$xy'' + y + xy = 0$$



2nd SESSIONAL EXAMINATION 2022, SEMESTER V
JOYA GOGOI COLLEGE
DEPARTMENT OF PHYSICS



FULL MARKS: 45
PASS MARKS: 19

TIME: 3 HRS

1. (a) Explain simultaneity, length contraction and time dilation with the help of space-time diagram. 5
- (b) Discuss the physical conditions of space-like and time-like intervals. 5
- (c) Deduce the relativistic energy momentum relation $E^2 = p^2c^2 + m_0^2c^4$ 5
2. (a) What is phase locked loop (PLL)? Show how an XOR gate can be used as phase detector and discuss its phase detection curve. 5
- (b) Describe the basic steps involved in integrated circuit fabrication. 5
- (c) How many data lines are there in USB device. What is differential 1, differential 0, J, K and idle condition in slow USB device. 5
3. (a) Show that in a cubic crystal of side a , the inter-planing spacing between consecutive parallel planes of Miller indices (hkl) is $d_{hkl} = \frac{a}{(h^2+k^2+l^2)^{1/2}}$. 5
- (b) How does Debye's theory of heat capacity differ from those Einstein theory? Discuss the predictions of this model for very high and very low temperature and state the Debye T^3 law. 5
- (c) Draw the (110) plane for a simple cubic crystal. Define a primitive unit cell. Can a unit cell be primitive. 5
-

Partha Saiky





B.Sc. 3rd Semester Botany (Honours C6)

Course Code: BC306T

2nd sessional Examination, 2023

Economic Botany

Full Marks 20

1x2=2

1. Fill in the blanks:

(a) The scientific name of Jute is

(b) *Pogostemon* belongs to Family

2. Write the scientific name along with their families of the following plants and give short accounts on their economic importance. (any two): (1+1+3)x2=10

a) *Cymbopogon*

b) Sal

c) *Coir*

3. Define

3x1=3

A) Centre of origin

B) Economic plants

C) Pulses

1. Give a brief account of origin, botanical description, cultivation and uses of wheat. 5

HoD. Department of Botany
Joya Gogoi College, Khumtai



Joya Gogoi College, Khumtai

1st Sessional Examination 2021-2022 (1st Semester Honours)

Course Code : BC101T Core Course : Microbiology & Phycology

Total marks: 20

Time : 1 hour 30 minutes

1. Give the cell structure and components of Algae with diagram. 3
 2. Write the outline Classification of algae (Fritch's System) . 4
OR
Illustrate the range of thallus organization of Algae. 4
OR
Describe Life Cycle pattern in Algae. 4
 3. Write any one of the following. 3
 - a. Algal pigment system.
 - b. General characteristics of Algae
 - c. Algal food reserve
 - d. Economic importance of Algae
 4. Describe the lytic or Lysogenic cycle. 3
 5. What are the reproduction processes of bacteria? 3
 6. Write short notes on (any two) 2x2=4
 - a. T-phage
 - b. TMV
 - c. Bacterial growth
 - d. Virus structure
-

Joya Gogoi College, Khumtai


1st Sessional Examination 2021-2022 (1st Semester Honours)

Course Code : BC101T Core Course : Microbiology & Phycology

Total marks: 20

Time : 1 hour 30 minutes


1. Give the cell structure and components of Algae with diagram. 3
 2. Write the outline Classification of algae (Fritch's System) . 4
OR
Illustrate the range of thallus organization of Algae. 4
OR
Describe Life Cycle pattern in Algae. 4
 3. Write any one of the following. 3
 - a. Algal pigment system.
 - b. General characteristics of Algae
 - c. Algal food reserve
 - d. Economic importance of Algae
 4. Describe the lytic or Lysogenic cycle. 3
 5. What are the reproduction processes of bacteria? 3
 6. Write short notes on (any two) 2x2=4
 - a. T-phage
 - b. TMV
 - c. Bacterial growth
 - d. Virus structure
-


HoD. Department of Botany
Joya Gogoi College, Khumtai

Ist Sessional Test (2022)
IIS IInd Year
Subject: Biology (Botany)
Full Marks: 25



1. Define Gene therapy. 2
2. What is biopiracy? 2
3. What is genetic engineering? Write its application. 1+2=3
Or
Name the tools of Biotechnology and describe briefly the principle of Biotechnology. 1+2=3
4. What are Cry proteins? Name an organism that produce it. 2+3=5
Or
Define GMO. What do you mean by transgenic animals and plants. 2+3=5
5. Diagrammatically represent the experimental steps in cloning and expressing and human gene into a bacteria like E.coli. 5
Or
Write the mechanism of rDNA technology with suitable diagram. 5
6. Write short notes on. (any two) 2+2=4
a. Origin of Replication b. Bioreactors c. PCR d. Golden Rice
7. Write the difference between: (any two) 2+2=4
a. DNA & RNA
b. Plasmid DNA & Chromosomal DNA
c. Restriction Endonuclease & Restriction Exonuclease


HoD. Department of Botany
Joya Gogoi College, Khumtai

1st Sessional Test (2022)
HS Ist Year
Subject: Biology (Botany)
Full Marks: 25



1. What does glycolysis mean? Write all equations of glycolysis. 0.5+5=5.5

Or

Describe the three classes of algae you have studied

2. What is the first stable product formed in C4 cycle? 1

Or

What is the reserve food of Chlorophyceae

3. What is the role of chlorophyll a molecule in light reaction? 1

4. Give a schematic representation of cyclic photophosphorylation. 2

Or


How are algae beneficial to us?

5. Which is the primary CO₂ acceptor in C3 plants? 1

6. Give comparison between the C3 leaf anatomy and C4 leaf anatomy. 2

Or

What is the difference between Rhodophyceae and Pheophyceae


HoD, Department of Botany
Joya Gogoi College, Khuntai



Botany
Ist Sessional Test (2022)
Semester-V (Honours)

Course Code: BC511T Core Course XI: Reproductive Biology of Angiosperms
Full Marks: 25

1. Write short notes on : (any three) 3x2=6
 - a. Anther
 - b. Palynology and its scope
 - c. Pollen viability
 - d. Structure of mature embryo sac
 - d. Induction of flower
2. What do you mean by normal 8 nucleate and 7 celled embryo sac? 5
or
Describe the structure of the mature male gametophyte of angiosperm. 5
3. Describe three different types of tetrasporic embryo sac with suitable diagram. 6
or
Describe the structure and functions of anther wall. 6
4. What is Megagametogenesis? Describe the process of Megagametogenesis with suitable diagram. 1+4=5
or
What is Microsporogenesis? Describe the process of Microsporogenesis with suitable diagram. 1+4=5
5. "Flower is a modified shoot" justify the statement. 3

Botany
Ist Sessional Test (2022)
Semester-V (Honours)

Course Code: BC512T Core Course XII: Plant Physiology
Full Marks: 25

1. Fill in the blanks: 1x5=5
 - a. Apical dominance is due to _____
 - b. _____ hormone initiate rooting.
 - c. Full form of IAA is _____
 - d. The plant hormone which triggers the fall of mature leaves and fruits from the plant body is _____.
 - e. The bending of the shoot of a plant in response to light is called _____.
2. Write short notes on : (any two) 2x2=4
 - a. Discovery of Auxin
 - b. Physiological roles of Cytokinin
 - c. Chemical nature of Gibberillin
 - d. Discovery of Abscisic Acid
3. What is photoperiodism? Explain with examples. 2+2=4
OR
Describe the tropic and nastic movement of plants. 2
4. Distinguish between macro and micronutrients. 3
5. What are criteria for essentiality of nutrients in plants. 1+2=3
6. What is siderophor. Give examples. 4
7. What are methods of study and use of nutrient solutions.

HoD, Department of Botany
Joya Gogoi College, Khumtai



B.Sc. 5th Semester Botany (Honours- DSE II)
Course Code: BD502T
1st sessional Examination, 2023
Bioinformatics

Full Marks 20

1x2=2

1. Fill in the blanks: (any two)

- (a) Full form of NCBI is
- (b) PIR is a biological database that collects sequences.
- (c) Webin was released in the year

2. Write short notes on any two of the following:

4x2=8

- i) Tools and Databases of NCBI
ii) Sequence Submission to NCBI
iii) BLAST

3. What is the main aim of Bioinformatics ?

2

4. What are Protein Databases? Give an account on the different Protein Databases.

2+3=5

OR

Define Nucleotide Database? Mention the different types of Nucleotide Databases.

5. What do you mean by Bioinformatics? What are the different branches of Bioinformatics?

1+2=3

OR

What do you mean by biological database? How can it be classified?

HoD. Department of Botany
Joya Gogoi College, Khumtai



B.Sc. 1st Semester Botany (Major)
Course Code: BOTC1
1st sessional Examination, 2023
Algae, Fungi, Bryophyte & Pteridophyte

Full Marks 20

- 1. Fill in the blanks: (any five)** **1X5=5**
- (a) Bryophytes are known as of the Plant Kingdom.
(b) The female sex organ of Bryophyte is called
(c) *Marchantia* belongs to the order
(d) The archegonium is developed from a single superficial cell called.....
(e) The spores germinate to form the..... body.
- 2. Write short notes on (any two):-** **2x2=4**
- (a) Classification of Bryophytes.
(b) Reproduction in Bryophyte.
(c) Prothallus
- 3. Answer the following: (any three)** **2x3=6**
- (a) Describe the structure of antheridia and archegonia of *Psilotum* with suitable diagram.
(b) What are the general characteristics of Psilopsida.
(c) What are the general characteristics of Pteridophytes?
(d) Describe the vegetative reproduction in Pteridophyte.
- 4. Explain the salient features of algae. Write the economic importance of algae.** **5+5=10**
- or
Write a short note on: a. Fritsch classification of algae.
b. Thallus organization in algae.
- *****

B.Sc. 1st Semester Botany (Minor)
Course Code: MINBOT1
1st sessional Examination, 2023
Algae, Fungi, Bryophyte & Pteridophyte

Full Marks 20

1X5=5

- 1. Fill in the blanks: (any five)**
- (a) The plant body of Bryophyte represents the generation.
(b) The male sex organ of Bryophyte is called
(c) *Marchantia* belongs to the family
(d) The reproductive organs are in the form of sac like structure called
(e) The vascular plants are divided into two division namely &
(f) The leaves of Lycopsida are
- 2. Answer the following:**
- (a) Write about the characteristic features of Bryophyta. **4**
- or
Describe the external and internal structure of Bryophyte
- (b) What are the general characteristics of Lycopsida. **2**
(c) What are the general characteristics of Pteridophytes? **2**
(d) What is algae? Write a short note on Fritsch classification of algae. **1+6**
- or
Describe the Thallus organization in algae. **6**

HoD, Department of Botany
Joya Gogoi College, Khumtai

JOYA GOGOI COLLEGE
DEPARTMENT OF ZOOLOGY
2nd SESSIONAL TEST, 2021
B.SC 4th SEMESTER (CBCS) UNDER DIBRUGARH UNIVERSITY
PAPER CODE- 408T
(COMPARATIVE ANATOMY OF VERTEBRATES)

TIME - 1Hr

MARKS: 25

1. Write the comparative account of lungs as respiratory organ in Amphibia, Aves and Mammals. 8
2. Draw the comparative diagrams of plan of circulation in fish , Amphibia, reptiles, birds and mammals . 7
3. Write about the succession of kidneys in vertebrates. Add a note on mammalian uteri.

6+4=10

Janmo
Dr. JANMONI MORAN
HOD
Department of Zoology
Joya Gogoi College, Khumtai

JOYA GOGOI COLLEGE
DEPARTMENT OF ZOOLOGY
2nd SESSIONAL TEST, 2021
B.SC 4th SEMESTER (CBCS) UNDER DIBRUGARH UNIVERSITY
PAPER CODE- 409T
(ANIMAL PHYSIOLOGY)

TIME - 1Hr

MARKS: 25

1. Fill in the blanks : (1×2=2)
 - a) the P wave of ECG denotes _____.
 - b) Ca⁺⁺ is called _____ Factor.
2. Draw the histological structure of alimentary canal of human. 2
3. Write the mechanism of formation of urine. 7
4. Write a note on Blood clotting system. 7
5. How fat is digested and absorbed in alimentary canal? 3+4=7

Janmoni
Dr. JANMONI MORAN
HOD
Department of Zoology
Joya Gogoi College, Khumtai

JOYA GOGOI COLLEGE
DEPARTMENT OF ZOOLOGY
2nd SESSIONAL TEST, 2021
B.SC 4th SEMESTER (CBCS) UNDER DIBRUGARH UNIVERSITY
PAPER CODE- 4010T
(BIOCHEMISTRY AND METABOLIC PROCESSES)

TIME – 1Hr

MARKS: 25

1. Differentiate between beta and Omega oxidation of saturated fatty acids. 2
2. Write a note on oxidative phosphorylation . 5
3. What is pentose phosphate pathway? Explain the pathway in details. 1+7=8
4. Describe beta oxidation of odd number of C atoms . 10

Janmoni
Dr. JANMONI MORAN
HOD
Department of Zoology
Joya Gogoi College, Khumtai

JOYA GOGOI COLLEGE
DEPARTMENT OF ZOOLOGY
2nd SESSIONAL TEST, 2021
B.SC 4th SEMESTER (CBCS) UNDER DIBRUGARH UNIVERSITY
PAPER CODE- GE IV
(ENVIRONMENT AND PUBLIC HEALTH)

TIME – 1Hr

MARKS: 25

1. Write a note on waste from thermal power plants. 4
2. What are biomedical waste? How are they disposed ? 2+3=5
3. Write the case history on Bhopal Gas tragedy and its aftermath. 7

Or

Write a note in the effect of climate change on public health.

4. What are the sources of water pollution? Write preventive measures of water pollution. 4+5=9

Janmoni
Dr. JANMONI MORAN
HOD
Department of Zoology
Joya Gogoi College, Khumtai

1st SESSIONAL EXAMINATION- 2022
B.Sc 1st Semester (CBCS) Under Dibrugarh University
Joya Gogol College, Khumtal

Subject : Zoology

PAPER : ZC101T (NON – CHORODATES: PROTISTS TO PSEUDOCOELOMATES)

MARKS: 25

TIME : 1 HOUR

1. Answer the following questions : (Any three) 1X3=3
 - a) Canal system present in _____.
 - b) _____ is the secondary host of Liver fluke.
 - c) Corals belongs to class.....
 - d) The function of Gonophore in Cnidaria is
 - e) Freshwater sponges belong tofamily .

2. What is canal system? Draw and describe the ascon type canal system in Porifera. 1+5=6
3. Draw and explain the life cycle of *Fasciola hepatica*. 7
4. Explain the pathogenecity of *Taenia solium*. 5
5. Distinguish between: (Any one) 3
 - a. Polyp and Medusa
 - b. Cnidaria and Ctenophora

6. Define polymorphism. Write a short note on polymorphism in Cnidaria. 1+6=7

Or

What is metagenesis ? discuss the metagenesis in *Obelia* . 1+6=7

Janmon?

Dr. JANMONI MORAN
HOD
Department of Zoology
Joya Gogol College, Khumtal

B.Sc 3rd Semester (CBCS) Under Dibrugarh University
Joya Gogoi College, Khumtai

Subject : Zoology

PAPER : ZC305T (Diversity of chordata)

MARKS: 25

TIME : 1 HOUR

-
- | | |
|---|--------|
| 1. Fill in the blanks : (Any three) | 1X3= 3 |
| a) Fangs of Viper is _____ type. | |
| b) Poison glands are modified _____ glands. | |
| c) Atlantic Salmon shows migration. | |
| d) In shark the gills are..... | |
| 2. Distinguished between Hemichordata and Cephalochordata . | 4 |
| 3. Write a note on retrogressive metamorphosis in Urochordata. | 4 |
| 4. Explain the biting mechanism in snakes. | 5 |
| 5. Write about poison apparatus in venomous snakes. | 3 |
| 6. Distinguish between: (Any 1) | 3 |
| a. Bony fish and Cartilaginous fish | |
| b. Catadromous migration and anadromous migration | |
| 7. What do you mean by Agnatha? What are the two groups of Agnatha? | 1+2=3 |

Janmoni
Dr. JANMONI MORAN
HOD
Department of Zoology
Joya Gogoi College, Khumtai

B.Sc 3rd Semester (CBCS) Under Dibrugarh University
Joya Gogoi College, Khumtai

Subject : Zoology

PAPER : ZC306T (ANIMAL PHYSIOLOGY)

MARKS: 25

TIME : 1 HOUR

1. ANSWER THE FOLLOWING QUESTIONS : (Any 3) 1X3=3
 - a) _____ connects hypothalamus of brain with pituitary gland.
 - b) _____ Cells of pancreas secrete glucagon hormone.
 - c) _____ disorder is caused due to deficiency of iodine in diet.
 - d) Adipose tissue is the reservoir of
 - e)is a fluid connective tissue.
2. Draw and describe the structure of pituitary gland. 5
3. Write the differences between Diabetes mellitus and diabetes insipidus . 4
4. Write the functions of thyroid hormones and explain two disorders that are related to thyroid gland? 2+2+2=6
5. Distinguish between : (Any one) 3
 - a. myelinated and non-myelinated nerve fibres.
 - b. bone and cartilage
8. write short notes on:(any one) 4
 - a. structure and types of a neuron
 - b. vascular connective tissue

Morani

Dr. JANMONI MORAN
HOD
Department of Zoology
Joya Gogoi College, Khumtai

1st Sessional Examination -2022
1st Semester -History (Paper code-HISHC101)

Title of the Paper: history of India-I



1. Write very short answer $1 \times 5 = 5$
 - a) Name the archeologists who discovered the Indus valley civilization.
 - b) The head of the Rig-Vedic family is called.....
 - c) Shanhudaro and Balakot were famous for.....
 - d) What is the full form of PGW
 - e) Who was the author of Mudraraksha?
2. Write short note of any two $4 + 4 = 8$
 - a) Religion of Indus Valley civilization (b) Great bath of Mohenjodaro (c) Society in Rig Vedic period
3. Write any one of the following
 - a) Why do you called Indus valley civilization as Indus valley civilization? Explain the chief features of Indus valley civilization. $2 + 10 = 12$
 - b) "The Indus people maintained a high standard of the city planning" Do you agree with it? Give reason for your answer. 12

1st Sessional Examination 2022

1st semester-History (Paper code-HISHC102)

Title of the Paper: Social formation and cultural patterns of ancient world

1. Write very short answer $1 \times 5 = 5$
 - a) Who coined the term Minion Civilization?
 - b) What do you mean by Rhyta?
 - c) Who were the "Sea people"?
 - d) Name Nomadic tribes of West Asia.
 - e) Who were the Simians?
2. Write short notes of any two $4 + 4 = 8$
 - a) Minion art (b) Role of Nomadic in spreading Iron culture (c) Position of women in Minion civilization.
3. Write any one of the following
 - a) Describe the art and architecture of Minion civilization. How far Minion painting helps us to understand the position of women? $8 + 4 = 12$
 - b) Discuss the factor leading to the decline of Iron Age in Greece. Did Iron Age occur naturally in Greece? $10 + 2 = 12$

Rup Kumar
HoD, Department of History
Joya Gogoi College, Khuntai



1st Sessional examination 2022

H.S 1st year

Subject: History

Time: 1 hour

Full marks: 25

1. Answer the following questions 1x5=5
 - a) Who was the founder of Islam?
 - b) What was the main language of the Roman Empire?
 - c) What religion was adopted by Emperor Constantine?
 - d) Where did the Abbasid rebellion take place?
 - e) Who was the founder of Umayyad dynasty?
2. Answer the following questions (any three) 2x3=6
 - a) Why Hazzarat Mahammad journey from Makkah to Madina is considered to be an important event in Islamic history?
 - b) How many divisions of Roman historical materials and what they are?
 - c) What were the food products produced in Mesopotamia?
 - d) How did early humans collect their food?
3. Short notes (any two) 4x2=8
 - a) Senate (b) religious war (The Crusade) (c) Third century crisis (d) gender and literacy of the Roman Empire
4. Answer any one of the following 1x6=6
 - b) Write about the rise of Islam in Arabia.
 - c) Discuss about the social class of Roman Empire

HoD, Department of History
Joya Gogoi College, Khimtai



1st Sessional Examination
H.S. 2nd year
Subject: History

Time: 1 hour

Full marks: 25

1. Answer the following questions

1x5=5

- a) Who was the first king of Pragjyotihpur?
- b) Who was the founder of Varman Dynasty?
- c) Who is the author of History of Assam?
- d) During which Varmana King Hiun Tsang visited Assam?
- e) Who introduced the Permanent Settlement?

2. Answer the following question (any three)

2x3=6

- a) Who was the founder of Ahom dynasty and when did he enter Assam?
- b) Why Sudangpha was called Bamuni konwar?
- c) What is the meaning of Imperialism?
- d) What do you mean by Ryatwari system?

3. Write short notes (any two)


2x4=8

- a) Bhaskar Varman (b) Shukapha (c) Sudangpha (d) Narakasur

4. Answer any one of the following

1x6=6

- a) Mention the reason for the decline of Indus valley civilization.
- b) What were the reasons of the revolt of 1857?


HoD. Department of History
Joya Gogoi College, Khumtai

1st Sessional Exam 2021
Joya Gogoi College, Khumtai
BA 1st Semester



Sub:- History (Hons) Paper:- II

Course Code-HSHIC-102

(Social Formation and Cultural Patterns of the Ancient World)


Time: 1 ½ Hrs

Total mark: 40

1. Answer the following questions in one word/sentence. 1x4= 4
 - a. Which city was known as the City of Falcon?
 - b. Name the title of the kings of Egypt.
 - c. Who coined the term “Minoan Civilization”?
 - d. Name the capital of the Hittite Kingdom.

2. Write short note of the following (Any three) 4x3= 12
 - a. Hominoid vs Hominid
 - b. Difference between Oldowan culture and Acheulian culture
 - c. Complex Hunting Society
 - d. Pharaoh Cult
 - e. Minoan Art
 - f. Assyrian Empire

3. Write any two of the following 12x2=24
 - a. Discuss the factors leading to the introduction of Agriculture in Europe and Africa. Do you agree with the view that agriculture was developed in Europe without any contribution from Asia?
 - b. Discuss the socio-religious condition of Egypt during the time of Old Kingdom. How far did the Pharaoh cult is interlink with Egyptian state system?
 - c. What are the characteristics of Minoan Civilization? Why did the Minoan Civilization declined?


HOD, Department of History
Joya Gogoi College, Khumtai



Ist Sessional Exam 2021
Joya Gogoi College, Khumtai

BA 3rd Semester

Sub: - History (Hons), Paper: -VI

Course Code- HISHC-106

(Rise of the Modern West-I)

Time: 1 ½ Hrs

Total mark: 40

1. Answer the following questions in one word or one sentence. 1x4= 4
 - a. What do you mean by 'Fief'?
 - b. Who said, "Feudalism means Civilization"?
 - c. Who did first use the term Renaissance?
 - d. In which year did the battle of Blue Water occur?
1. Write short notes on any three of the following --- 4x3=12
 - a. Geographical discoveries in 15th 16th century
 - b. 'Henry, the Navigator'
 - c. City states of Italy
 - d. Leonardo Da Vinci
 - e. War of Roses, 1455-1485
 - f. Early states formation in Europe
2. Answer any two of the following questions—12x2=24
 - a. What do you mean by Feudalism? Describe the merits and demerits of feudalism.
 - b. Critically examine the factors which led to the colonial expansion of European powers across the globe in 15th 16th century.
 - c. Narrate the socio political factors that helped in the growth and development of renaissance in Europe in 15th and 16th century.
 - d. Discuss the role of Richelieu in making France an absolute state.
 - e. Why did the reign of Henry VIII regard as the peak stage for Tudor Absolutism? Critically examine the religious and internal measures taken by Henry VIII.

Hon. Department of History
Joya Gogoi College, Khumtai

1st Sessional Exam 2021
Joya Gogoi College, Khumtai

BA 3rd Semester

Sub: - History (Hons), Paper: - VII

Course Code- HISHC-107

(History of India IV c.1206-1550)




Time: 1 ½ Hrs

Total mark: 40

1. Answer the following questions in one word or one sentence. 1x4= 4
 - a. Who was the author of 'Tabaqat-i-Nasiri'?
 - b. Who was the founder of the Khalji Dynasty?
 - c. Who did transfer the capital from Delhi to Devagiri?
 - d. Write the name of the last Lodhi king.

2. Write short notes of the following (Any three) 4x3=12
 - a. Qutubiddin Aibak
 - b. Sultana Razia
 - c. Muhammad Ghori
 - d. Malik kafur
 - e. Invasion of Taimur Long
 - f. First Battle of Panipat

3. Answer any two of the following questions—12x2=24
 - a. Give a brief description on the sources of the history of Delhi Sultanate.
 - b. Describe the problems faced by Iltutmish after accession to the throne. How did he overcome these?
 - c. Form an estimate of Allauddin Khalji as a conqueror.
 - d. Critically discuss the domestic policy of Muhammad-bin-Tughlaq.
 - e. Discuss about the causes of downfall of Delhi Sultanate.


HoD. Department of History
Joya Gogoi College, Khumtai

1ST SESSIONAL TEST/2023

PARTMENT:

SUBJECT: Economics (Minor)


SEMESTER:

PAPER:

TOTAL MARKS: 20

MARKS FOILSElementary
Microeconomics

Sl No	Name	Roll No	Marks Obtained	Remarks
1	Miss Dipika Tasa		12	
2	" Piku Konwar		16	
3	. Pratiksha Karmu		12	
4	Bri Deep Gogoi		01	


H.O.D. Department of Economics
Jaya Gogoi College, Jyamtal
Signature of the HOD

22d

SESSIONAL TEST/2023

DEPARTMENT: Education

SUBJECT: C-5, C-6 20

SEMESTER: 3rd Sem

PAPER:

TOTAL MARKS:

MARKS FOILS

Sl No	Name	Roll No	C-5 Marks Obtained	C-6 Marks Obtained	Remark
1	Debojit Mahali		05	16	
2	Manika Kumar		05	01	
3	Jyotsreka Kumari		09	02	
4	Sejal Gupta		10	07	
5	Tukhshika Gogoi		10	08	
6	Violina Kumari		09	01	
7	Anup Chetry		06	13	
8	Sanja Barhoi		09	11	
9	Swarna Mahanta		10	13	
10	Kobita Bora		11	09	
11	Sonjoy Kumar Bhunjig		07	06	



Sanjita Barhaki
Signature of the HOD

Marksheet

B.A/B.Sc 3rd/5th Semester

2nd sessional test, 2023

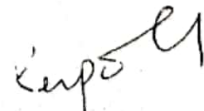
Joya Gogoi College, Khumtai: 785619



Department: History (core)
Paper code: C-105

Total Marks: 20

Sl No.	Roll No.	Name	Marks Obtained	Remarks
1	1	Ramesh Barchoi	12	
2	2	Rahul Barchoi	08	
3	3	Nabajyoti Gogoi	13	
4	4	Kaustave Gogoi	08	
5	6	Sauvabhjyoti Gogoi	15	
6	17	Puja Borki	10	
7	41	Pankaj Pandit	10	
8	44	Niva Doley	08	
9	45	Enakshi Doying	12	
10	46	Bomasha Doying	13	
11	47	Kopil Doying	08	
12	51	Britika Doley	10	
13	55	Raja Das	13	
14	64	Sauvav Belowari	14	
15	77	Nikita Das	13	
16	88	Seema Devi	13	
17				
18				


Signature of HOD

1ST SESSIONAL TEST/2023

DEPARTMENT: Mathematics

SUBJECT: Analytical Geometry

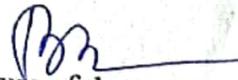
SEMESTER: 5th semester

PAPER: DSE-I TOTAL MARKS: 20

MARKS FOILS



Sl No	Name	Roll No	Marks Obtained	Remarks
1	Miss Dhakirri Boreah		20	
2	Miss Moon Konwar		13	
3	Miss Namrata Gogoi		10	
4	Miss Shivanee Saikia		14	
5	MR. Biplov Syoti Boreah		05	
6	MR. Anurag Saikia		02	
7	MR. Ankur Dey		14	
8	MR. Nripun Tanti		17	
9	MR. Purnakanta Phukan		00	
10	MR. Sanjit Bhengra		15	
11	MR. Sahil Hussain		03	


 Signature of the HOD

1ST SESSIONAL TEST/2023

DEPARTMENT: *Physics*

SUBJECT: *Digital System & Applications*

SEMESTER: *3rd Sem.*

PAPER:

TOTAL MARKS: *20*

MARKS FOILS

Sl No	Name	Roll No	Marks Obtained	Remarks
<i>1.</i>	<i>Chizanjit Kurmi</i>		<i>17</i>	
<i>2.</i>	<i>Abhilash Sarma</i>		<i>11</i>	
<i>3.</i>	<i>Bishal Rai</i>		<i>10</i>	
<i>4.</i>	<i>Biki Kurmi</i>		<i>06</i>	
<i>5.</i>	<i>Nituzaj Gogoi</i>		<i>13</i>	
<i>6.</i>	<i>Samuel Nag</i>		<i>16</i>	
<i>7.</i>	<i>Md. Moinul Haque</i>		<i>09</i>	

Pankaj Sar
Signature of the HOD

Marksheet
B.A/B.Sc 3rd/5th Semester
2nd sessional test, 2023
Joya Gogoi College, Khumtai: 785619



Department: Political Science .
 Paper code: C-7

Total Marks: 20

SI No.	Roll No.	Name	Marks Obtained	Remarks
1	09	Aditya Borci	06	
2	10	Sabita Kurmi	14	
3	16	Mousom Tanti	09	
4	20	Dhavitrei Manki	13	
5	26	Mukibur Rahman	20	Full Marks
6	27	Parvitha Gogoi	13	
7	30	Kishore Gogoi	13	
8	35	Luchi Gogoi	13	
9	36	Sonmai Kurmi	12	
10	38	Simron Kumar Shah	12	
11	42	Dip Syoti Paw	08	
12	56	Gunindra Gogoi	10	
13	67	Ritupon Tare	08	
14	69	Supriya Gogoi	15	
15	84	Seema Das	12	
16	85	Bondita Devi	14	
17	86	Lucky Hazarika	12	
18	87	PunyaDeep Hazarika	15	

(Examined by)
 Utpal Gogoi.
 16/10/2023
 Signature of HOD

Marksheet
B.A/B.Sc 3rd/5th Semester
2nd sessional test, 2023
Joya Gogoi College, Khumtai: 785619



Department: *political Science*
 Paper code: *(C-12)*

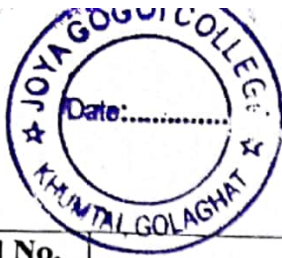
Total Marks: 20

Sl No.	Roll No.	Name	Marks Obtained	Remarks
1	08	Koraki Boruah	13	
2	09	Ritu Parua Gogoi	14	
3		Porismita Loring	16	
4	94	paawan Gupta	13	
5	58	Ratul Loring	12	
6		Abhijit Das	13	
7		Tiakur Tudu	13	
8	75	Dipjyoti pathoni	12	
9		Anishka Baroi	13	
10		Sourov Bonet	12	
11		Bharati Kuroni	13	
12		Nasiraa Begum	12	
13		Nita Mudi	12	
14	72	Riakur Piga	11	
15		Aakur Gogoi	11	
16		Miata Boruah	05	
17		Suman Kuroni	11	
18		Nitul Neog	11	

Githna Hazarika


Gogoi
 Signature of *13/10/23*





5th Semester / Political Science
(C-12)

SI No.	Roll No.	Name	Marks Obtained	Remarks
19	38	Moloya pegu	12	
20	51	Manabjyoti Doley	10	
21		Manabjyoti Dotta	12	
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				


Signature of HOD

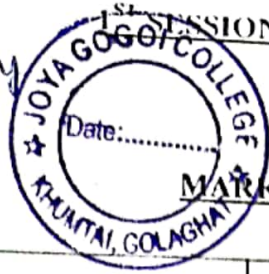
mark sheet
BA 5th Sem. Political Science
Paper - DSC - 2 A

Sl. No.	Name	Mark
1/20	Paromita Loring	19
2/21	Karabi Baruah	15
3/22	Ratul Loring	18
4/23	Rituporna Gogoi	16
5/24	Bharati Kurmi	18
6/25	Manabjyoti Dutta	18
7/26	Anishka Barhoi	17
8/27	Malaya Pegu	18
9/28	Tinku Tudu	17
10/29	Nita Mudi	15
11/30	Pawan Gupta	12
12/31	Ankur Gogoi (Khmt.)	11
13/32	Dipjyoti Pathak	13
14/33	Abhijit Das	08
15/34	Sourav Bora	07
16/35	Pranjyoti Doley	14
17/36	Pinku Pegu	11
18/37	Nasima Begum	13
19/38		
20/39		
40		
41		
42		
43		
44		



Total 18
Hogoria
14/10/23

DEPARTMENT: Zoology
SEMESTER: 5th



PROVISIONAL TEST/2023

SUBJECT: Principles of Genetics (C-12)

PAPER:

TOTAL MARKS: 20


MARKS FOILS

Sl No	Name	Roll No	Marks Obtained	Remarks
1.	Rahul Saikia		7	P
2.	Sujit Saru		11	P
3.	Lakhyajit. Saikia		8	P
4.	Ritashree Bora		15	P
5.	Nilutpal Gogoi		15	P
6.	Gitashree Bora		12	P
7.	Purnima Purnabi Kukmi		13	P
8.	Arunima Rai		12	P

Daman
Signature of the HOD



Sl No	Name	Roll No	Marks Obtained	Remarks
1.	Dolly Das		13	Pass
2.	Priyakshi Chutia		18	Pass
3.	Amif Ahmed		12	Pass
4.	Suhail Akhtar Rahman		13	Pass
5.	Subhangi Boruah		13	Pass
6.	Binita Tamuli		12	Pass
7.	Rishi Raj Bora		13	Pass
8.	Prasen Ray		12	Pass
9.	Jyotsnali Bora		11	Pass
10.	Dipu Gogoi		12	Pass


Signature of the HOD

DEPARTMENT: Zoology
SEMESTER: 1st (Major)



SUBJECT: Zoology (Major)
TOTAL MARKS: 20
COURSE: Animal Diversity I

Sl No	Name	Roll No	Marks Obtained	Remarks
1.	Vidali Gogoi		15	Pass
2.	Lucky Dutta		05	Fail
3.	Lalit Kumari		01	Fail
4.	Bristi Tamuli		09	Pass
5.	Jugantar Lahon		02	Fail
6.	Krushnamoni Loring		10	Pass
7.	Satyam Pandey		10	Pass
8.	Tushar Syoti Doley		00	Fail
9.	Akash Saikia		03	Fail
10.	Abhiksha Bhakali		03	Fail
11.	Sabikun Nahar Pathan		06	Pass
12.	Himadri Saikia		07	Pass
13.	Rahul Kumari		05	Fail
14.	Bishal Karmakar		04	Fail
15.	Priyashree Gogoi		13	Pass
16.	Lucky Karmakar		03	Fail
17.	Ashmita Bora		08	Pass
18.	Dhoti tri Das		04	Fail
19.	Sanjana Mipun		09	Pass
20.	Kobita Sahu		11	Pass
21.	Kanchan Verma		09	Pass
22.	Trishna Rajbanshi		01	Fail
23.	Ahmina Kumar		00	Fail
24.	Sikhamoni Sonowal		02	Fail
25.	Rupshi Pathary		02	Fail.

Danmow
3/9/23
Signature of the HOD

1ST SESSIONAL TEST 2023

DEPARTMENT: Zoology
SEMESTER: 3rd Semester

SUBJECT: Zoology (GE)

PAPER:

TOTAL MARKS:

MARKS FOLIO



Sl No	Name	Roll No	Marks Obtained	Remarks
1	Umeda Khatun		09	Pass
2	Maina Pathori		06	Pass
3	Tashoda Saru		02	Fail
4	Sumitra Gonju		12	Pass
5	Happy Borah		09	Pass
6	Suni Pathori		08	Pass

Danner's
31/9/23

First Semester Examination - 2021
B.Sc. 3rd Semester
Paper - C-7 (Physical Chemistry)

Date	Name of the Student	Signature	Roll no.	Marks Secured
	Divyanshi Datta	<i>Divyanshi</i>		22
20/12/21	Sumit Gosh	<i>Sumit Gosh</i>		15
	Bijit Kumar	<i>Bijit Kumar</i>		10
	Rashmi Lakha Hazarika	<i>Rashmi Lakha Hazarika</i>		18
	Sanjeev Das	<i>Sanjeev Das</i>		02
	Kiran Tamuli	<i>Kiran Tamuli</i>		20
	Koushik Das	<i>Koushik</i>		19

P. Saha
HOD, Department
of Chemistry
Joy Goswami College, Kharagpur

First Semester Examination - 2021
B.Sc. 3rd Semester
Paper - C-7

Date	Name of the Student	Signature	Roll No.	Marks Secured
	Diganta Ghoshal	<i>Diganta Ghoshal</i>		10
27/12/21	Kunaljit Baruah	<i>Kunaljit Baruah</i>		18
	Kriti Das	<i>Kriti Das</i>		18
	Jitumoni Saha	<i>Jitumoni Saha</i>		17
	Moonmoni Das	<i>Moonmoni Das</i>		19
	Rabi Barua	<i>Rabi Barua</i>		21
	Johan Bally	<i>Johan Bally</i>		22
	Ketan Gupta	<i>Ketan</i>		20
	Manus Panik	<i>Absent</i>		

P. Saha
HOD, Department of Chemistry
Joy Goswami College, Kharagpur

First sessional examination-2024
B Sc 1st semester (cont.)

Inorganic Chemistry - C-101

Total marks = 30

Sl. No.	Candidate Name	Roll no.	Registration no.	Marks obtained
01	Kiran Tamuly	11		09
02	Biswajit Dutta	33		20
03	Bijit Karmakar	52		05
04	Sanjeeb Das	59		01
05	Sunit Borah	62		08
06	Rashmi Rekha Hazarika	70		20
07	Biraj Kuremi	76		06
08	Kaushik Bora	79		06

Physical Chemistry - C-102

Total marks = 20

Sl. No.	Candidate Name	Roll no.	Registration no.	Marks obtained
01	Kiran Tamuly	11		14
02	Biswajit Dutta	33		14
03	Bijit Karmakar	52		02
04	Sanjeeb Das	59		03
05	Sunit Borah	62		07
06	Rashmi Rekha Hazarika	70		16
07	Biraj Kuremi	76		06
08	Kaushik Bora	79		04

P. S. Saha
HOD, Department of Chemistry
JNU, Gauhati College, JNU

P. S. Saha
HOD, Department of Chemistry
JNU, Gauhati College, JNU

First- Sessional Examination - 2021

B.Sc. 3rd Semester
Paper - C-5 (Inorganic chemistry)

Date	Name of the Student	Signature	Roll no.	Marks Secured
17/12/2021	Biswanjit Datta	Bills		21
	Sumit Gosh	Sumit Gosh		15
	Bijit Karman	Bijit Karman		10
	Rashmi Rekha Hazarika	Rashmi Rekha Hazarika		18
	Sanjeeb Das	Sanjeeb Das		02
	Kiran Tamuli	Kiran Tamuly		18
	Kauschik Borra	K. Borra		15

Bills
HoD
Department
of Chemistry

First- Sessional Examination
B.Sc. 3rd Semester
Paper - C-6 (Organic Chemistry)

Date	Name of the Student	Signature	Roll no	Marks Secured
	Biswanjit Datta	Bills		24
18/12/21	Sumit Gosh	Sumit Gosh		25
	Bijit Karman	Bijit Karman		10
	Rashmi Rekha Hazarika	Rashmi Rekha Hazarika		20
	Sanjeeb Das	Sanjeeb Das		01
	Kiran Tamuli	Kiran Tamuly		17
	Kauschik Borra	K. Borra		15

Bills
HoD
Department
of Chemistry

First sessional examination - 2021

B.Sc. 1st sem (General)

Chemistry - G.E - 101

Total marks = 30

Sl. no.	Candidate Name	Roll no.	Registration no.	Marks obtained
01	Jeri Brahain	04		12
02	Kunuljit Bawaah	12		14
03	Kirti Bajaj	13		14
04	Jitumoni Saikia	19		15
05	Noormoni Dawari	28		13
06	Rabi Bawaah	44		15
07	Jahan Belly	45		24
08	Ketan Gupta	81		17
09	Diganta Bhawali	01		

Second Sessional - 2021

Chemistry - G.E - 101

Pachin
HOD, Department of Chemistry
Jyoti Gogoi College, Assam

Sl. no.	Candidate Name	Roll no.	Registration no.	Marks obtained
01	Jeri Brahain	04		18
02	Kunuljit Bawaah	12		18
03	Kirti Bajaj	13		18
04	Jitumoni Saikia	19		18
05	Noormoni Dawari	28		17
06	Rabi Bawaah	44		15
07	Jahan Belly	45		22
08	Ketan Gupta	81		18
09	Diganta Bhawali	01		

Pachin
HOD, Department of Chemistry
Jyoti Gogoi College, Khuma

Sessional Examination - 2022

B.Sc. 2nd Semester (Physical Chemistry)

Paper - 201

Date	Name of Candidate	Signature	Roll no	First sessional	Second Sessional
7/6/2022	Bandita Phukan	Bandita Phukan	2	01	00
	Aisha Lion	Aisha Lion	23	02	7 1/2
	Pragya Porimta	Pragya Porimta	59	03	6 1/2
	Jubin Kurmi	Jubin Kurmi	46	11 1/2	14
	Sirajio Bhauri	Sirajio Bhauri	47	6 1/2	09
	Rick Gogoi	Rick Gogoi	11	07	06
	Aakash Hazarika	Aakash Hazarika	12	2 1/2	1 1/2
	Rishav Borah Borah	Rishav Borah	52	10	05
	Chitraranjan Gogoi	Chitraranjan Gogoi	10	07	01
	Chandan Baruah	Chandan Baruah	21	07	01
	Ritu Karthyap	Ritu Karthyap	22	01	03
	Jyotish man Boruah	Boruah	20	07	0

Barua

Paper - 201 (Organic Chemistry)

Total marks = 25

Date	Name of Student	Signature	Roll no.	First sessional	Second Sessional
10/6/2022	Bandita Phukan	Bandita Phukan	2	03	01
10/6/22	Aisha Lion	Aisha Lion	23	06	3 1/2
10/6/22	Pragya Porimta	Pragya Porimta	59	5 1/2	2 1/2
10/6/22	Jubin Kurmi	Jubin Kurmi	46	15	15
10/6/22	Rishav Borah Borah	Rishav Borah Borah	52	13	06
10/6/22	Rick Gogoi	Rick Gogoi	11	6 1/2	2 1/2
10/6/22	Chitraranjan Gogoi	Chitraranjan	10	08	3 1/2
10/6/22	Chandan Baruah	Chandan Baruah	21	08	3 1/2
10/6/22	Sirajio Bhauri	Sirajio	47	08	1/2
10/6/22	Ritu Karthyap	Ritu Karthyap	22	08	02
10/6/22	Jyotish man Boruah	Boruah	20	07	1 1/2
10/6/22	Kumar Jannaty				

Barua

HOD, Department of Chemistry
Joy's Gogoi College, Khatima

First sessional examination - 2021
B.Sc. 1st semester (cont.)

Inorganic chemistry - C-101

Total marks = 30

Sl. no.	Candidate Name	Roll no.	Registration no.	Marks obtained
01	Kiran Tamuly	11		09
02	Biswanjit Dutta	33		20
03	Bijit Karanaker	52		05
04	Sanjeeb Das	59		01
05	Sumit Borah	62		08
06	Rashmi Rekha Hazarika	70		20
07	Birendra Kumar	76		06
08	Kaushik Bora	79		06

Physical chemistry - C-102

Total marks = 30

Sl. no.	Candidate Name	Roll no.	Registration no.	Marks obtained
01	Kiran Tamuly	11		14
02	Biswanjit Dutta	33		14
03	Bijit Karanaker	52		02
04	Sanjeeb Das	59		03
05	Sumit Borah	62		07
06	Rashmi Rekha Hazarika	70		16
07	Birendra Kumar	76		06
08	Kaushik Bora	79		04

Prabin
HOD, Department of Chemistry
Jorengra College, Jorengra

Prabin
HOD, Department of Chemistry
Jorengra College, Jorengra