

**DIRECTORATE OF OPEN & DISTANCE LEARNING  
UNIVERSITY OF KALYANI**



Attach this Sheet on the Top to  
Your answer Sheet for CBCS paper

**TOP SHEET (For CBCS Paper)**

of Students Response Sheet

(1<sup>st</sup> Internal / 2<sup>nd</sup> Internal) Please tick

M.A. /M.Sc. (2 <sup>nd</sup> Semester, 2021-23)	
Main Subject:.....	CBCS Paper Code.....
Name of the Student: .....	
Address:.....	
.....	
Enrolment No. .... ( to be filled by the student)	
Name of the Study Centre:.....	
Study Centre Code: ..... Session: . <u>2021-23 (only)</u>	

**For Office Use only**

CBCS Paper Code					
Marks Obtained					

Date:	Signature of Evaluator
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1. Fill in the top sheet provided, and attach in to your answer sheets for CBCS paper before submission by hand to the Study Centre/ KU Main Campus.
2. Send back your response sheets (SRS) positively as per schedule supplied from office for session concerned.

কল্যাণী বিশ্ববিদ্যালয়  
মুক্ত ও দূরবর্তী শিক্ষা অধিকরণ  
২০২২  
স্নাতকোত্তর দ্বিতীয় সেমেস্টার  
বিষয় : বাংলা  
2<sup>nd</sup> Internal Examination (Assignment)

যে কোনো একটি প্রশ্নের উত্তর দাও :

প্রতিটি প্রশ্নের মান - ০৫

পত্র - GEC/CBCS

১। সাম্প্রতিক বাংলা ভাষার ধ্বনিতাত্ত্বিক বৈশিষ্ট্যগুলি আলোচনা করো।

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অথবা

‘মুক্তধারা’ নাটকের নামকরণ নিয়ে রবীন্দ্রনাথের দ্বিধাবোধ লক্ষণীয়। এ সম্পর্কে তোমার অভিমত  
প্রকাশ করো।

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UNIVERSITY OF KALYANI  
DIRECTORATE OF OPEN AND DISTANCE LEARNING

**M.A. in ENGLISH CBCS PAPER**  
SEMESTER: II

**SECOND INTERNAL ASSESSMENT (ASSIGNMENTS)– 2022**

**Full Marks: 5**

**GENERIC ELECTIVE COURSE (CBCS): INDIAN LITERATURE**  
**IN ENGLISH**

1. How does Narayan reveal the nature and dilemma of the middle-class people in his short story “Forty-Five a Month”?

OR,

2. What do you get to know about the “Khmer Rouge” from Amitabh Ghosh’s *Dancing in Cambodia*?

**UNIVERSITY OF KALYANI**  
**DIRECTORATE OF OPEN AND DISTANCE LEARNING**  
**M.A. SEMESTER –II:: HISTORY PAPER- COR-205 (CBCS)**  
**(For Students who opted History as CBCS paper)**  
**COMBINED INTERNAL EXAMINATION 2022**

**Candidates are required to give answers to all questions.**

**Full Marks-10**

- 1) Lord Cornwallis introduced Permanent settlement in the year-  
A) 1786 B) 1793 C) 1799 D) 1800.
- 2) 'An Introduction to the Study of Indian History' is written by -  
A) D.D.Kosambi B) R.S.Sharma C) D.N.Jha D) None of them.
- 3) Shankhya philosophy was introduced by -  
A) Kapil B) Paganjali C) Kanad D) Buddha
- 4) The discourses of "Nana-Nati" is a part of-  
A) Adder Gambhira B) Pala Gambhira C) Chhou Dance D) Baul songs
- 5) The Land donated to brahmanas was known as-  
A) Devadana B) Brahmadeya C) Karasashana D) Devabhumi
- 6) Kailashnath Temple was made under the Patronisation of-  
A) Pallava Kings B) Chola kings C) Chandella kings D) Gupta Kings
- 7) Which among the following was not an impact of Temple in Indian society-  
A) Expansion of Agriculture B) Disintringration in Tribal society C) Rise of Bhakti cult D) Decrease of Royal power.
- 8) Donating one's hair to Tirupati is known as -  
A) Mokku B) Sira C) Appam D) None.
- 9) " National Council of Education was established in the year-  
A) 1906 B) 1907 C) 1910 D) 1911
- 10) 'Mohiniattam' is a dance form of -  
A) Mizoram B) Karnataka C) Tamilnadu D) Kerala



**DIRECTORATE OF OPEN AND DISTANCE LEARNING (DODL)  
UNIVERSITY OF KALYANI  
KALYANI, NADIA**

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**M.A. in Education 2nd Semester Assignment Questions**

Attempt *One* question from the following

**Fundamentals of Education and Research (Open Course) (GEC-210)**

**2<sup>nd</sup> Internal**

1. State the importance of review of related research. 5

**Or**

Write a short note on reflective level of teaching. 5

**2<sup>nd</sup> Internal Assignment Examinations of ZOOLOGY (2021-23)**  
**SEMESTER-II**  
**Directorate of Open and Distance Learning**  
**University of Kalyani**

**Date: 13.11.2022**

<b>Paper Code</b>	<b>Questions</b>	<b>Marks</b>
ZGECT - 201	Discuss different types of endemism. What are the disadvantages of Red Data Book?	3+2=5
	OR	
	What do you mean by parasitoid? Discuss the role of natural enemies of pest insects.	2+3=5

- **Assignment should be written in A4 size page only.**
- **Paper code, Name of the Paper, Date of examination, and Date of Submission, Enrollment number, and Registration number should be mentioned on the front page.**
- **For Each paper, make Separate answer script.**

**University of Kalyani**  
**Directorate of Open and Distance Learning**  
**2<sup>nd</sup> Internal Assignment Examination of BOTANY (Session 2021-23)**  
**SEMESTER-II**

**CBCS Paper**

**Date: 13/11/2022**

<b>PAPER CODE</b>	<b>QUESTIONS</b>	<b>MARKS</b>
<b>BOTGEC T</b>	<b>Name one edible mushroom and mention its medicinal value. Who is the father of modern phycology? Mention about the bioluminescent phenomenon in natural habitat.</b>	<b>2+1+2=5</b>
	<b>Or,</b> <b>Define micropropagation. Mention two advantages and two disadvantages of micropropagation.</b>	<b>1+2+2=5</b>

**INTERNAL ASSESSMENT II**  
**SEMESTER II**  
**PAPER : GEC 2.5**  
**SUBJECT : MATHEMATICS (CBCS)**  
**FULL MARKS - 10**

*Answer the questions in your own words as far as practicable*

**Block III**  
**(Matrices and Linear Algebra)**

**Answer any two of the following questions.**

$2.5 \times 2 = 5$

- (1) Define a skew-symmetric matrix. If  $A$  and  $B$  are any two  $n \times n$  skew-symmetric matrices such that  $AB = -BA$ , then show that  $AB$  is skew-symmetric.
- (2) Find the determinant of the following matrix.

$$\begin{bmatrix} 3 & 2 & -1 & 4 \\ 2 & 1 & 5 & 7 \\ 0 & 5 & 2 & -6 \\ -1 & 2 & 1 & 0 \end{bmatrix}$$

- (3) Find the solution of the following system of linear equations:

$$\begin{aligned} 2x + y + z &= 1 \\ x - y + 4z &= 0 \\ x + 2y - 2z &= 3 \end{aligned}$$

- (4) Check whether the following matrix is diagonalizable.

$$\begin{bmatrix} 2 & 4 & 6 \\ 0 & 2 & 2 \\ 0 & 0 & 4 \end{bmatrix}$$

**Block IV**  
**(Theory of Dynamical Systems)**

**Answer any two of the following questions.**

$2.5 \times 2 = 5$

- (1) Discuss the effect of infinitesimal non-linear terms on stability of the system.
- (2) Show that  $\Omega(\xi, \eta) = \xi^2 + \eta^2$  is a Liapunov function for the following non-linear system.

$$\begin{aligned} \frac{d\xi}{d\tau} &= -\xi + \eta^2 \\ \frac{d\eta}{d\tau} &= -\eta + \xi^2 \end{aligned}$$

- (3) Use Bendixon non-existence criterion to show that the following system has no closed orbit.

$$\begin{aligned} \dot{x} &= 2x + y + x^3 \\ \dot{y} &= 3x - y + y^3 \end{aligned}$$

- (4) Show that the first order system  $\dot{x} = r - x - e^{-x}$  undergoes a saddle-node bifurcation as  $r$  varies, and find the value of  $r$  at the bifurcation point.