KHARAGPUR COLLEGE NOTICE

A certificate Course on **Challenges to values in education** will be organised by the Kharagpur College Morning Shift from 18-04-2023 to 04-05-2023 Duration of certificate Course will be 40 hrs. All Students of the B. A General (Morning shift) and any student of Commerce Science of the college may join in the Course.

Members of the organizing Committee:

Co-coordinator - **Dr. Sukla Mandal Saha**, Associate prof. of Economies, Morning In-charge

- Prof. Indranil Mahapatra, SACT, English
- Sri Milan De, SACT, History
- Sri Swapan Kamilya, SACT, Political Science
- Smt.Banashree Routh, SACT, Physical Education
- Sri Witam PradhanSACT, Physical Education
- Sri Tirtharaj Biswas, SACT, Bengali





Principal Kharagpur College

KHARAGPUR COLLEGE <u>NOTICE</u> Date: 12/04 /2023

Certificate course on Challenges to Values in Education Today Organized by Kharagpur College (Morning Shift)

Date of Commencement: 17.04.2023 Duration 30 Hours

Theory

- 1. Indian Constitution, rights, duties & responsibilities
- 2. Body-Mind Relation
- 3. Morality of Hinduism & Buddhism
- 4. Heritage of India
- 5. Role of Computer Learning in Modernising Education
- 6. Data Communication

MS WORD : Basics of MS Word, Typing the text, Alignment of text, Text Formatting and saving file, Working with Objects, Header & Footers

MS EXCE L: Introduction to Excel, Formatting excel workbook, perform calculations with functions, sort and filter, plotting 2D and 3D graphs

MS POWERPOINT : Setting up PowerPoint environment, creating slides and applying themes, working with bullets, and numbering, working with objects etc. **DATA COMMUNICATIONS:** Basics of Email, Drop box etc.

Co-ordinator : Dr. Sukla Saha Mandal,

DATE	Speakers	TOPIC
	Dr. Sukla Saha Mandal,	Challenges to Values in education :
18.04.2023	Morning In-charge	keynote speaker
	Dr. Sankar Sengupta	
	Ex teacher of the Dept. of	Enlightening lives and Pioneering thoughts
18.04.2023	Philosophy	
	Sri Indranil Mahapatra,	Haritaga of India
19.04.2023	SACT	Heritage of India
20.04.2023	Sri Tirtharaj Biswas, SACT	Architect and sculpture of India
20.04.2023	Dr. Tapan Kumar Paul	Body and Mind Relationship
20.04.2023	Sri Milan De, SACT	Morality of Hinduism & Buddhism
	Smt. Banashree Routh,,	A psycho Physical unity of human being
20.04.2023	SACT	A psycho r hysical unity of human being
21.04.2023	Sri Swapan Kamilya, SACT	The Role of learning of the Indian Constitution

21.04.2023	Sri Koushik Bhattacharya SACT	Relevance of computer learning
22.04.2023	Dr. Sibsankar Tunga, Department of Philosophy	Some moral reflections of Hinduism & Buddhism.
22.04.2023	Dr.Koushik Chakraborty	Indian Constitution: Duties & Responsibilities
25.04.2023		
ТО	Sri Koushik Bhattacharya	Computer Practical
02.05.2023	SACT	
25.04.2023		
ТО	Sri Manideep Roy, IIT	Computer Practical
04.05.2023	Reserach Scholar	
02.05.2023		
TO	Sri Buddhadeb Mondal SACT	Computer Practical
04.05.2023		

Tr. OSukla Mandal OSaha

In - charge Morning shift Kharagpur College



ATTESTED Principal Kharagpur College



Certificate Course

on

Challenges to Values in Education Today

Organized by

Kharagpur College (Morning Shift)

Date of Commencement: 17.04.2023

Duration 30 Hours

Theory

- 1. Indian Constitution, rights, duties & responsibilities
- 2. Body-Mind Relation
- 3. Morality of Hinduism & Buddhism
- 4. Heritage of India
- 5. Role of Computer Learning in Modernising Education
- 6. Data Communication

Practical Routine

Nonne			
Date	Time		
25.04.2023	10 AM to 12 Noon		
26.04.2023	10 AM to 12 Noon		
27.04.2023	10 AM to 12 Noon		
02.05.2023	10 AM to 12 Noon		
03.05.2023	10 AM to 12 Noon		
04.05.2023	10 AM to 12 Noon		

> <u>MS WORD</u>

Basics of MS Word, Typing the text, Alignment of text, Text Formatting and saving file, Working with Objects, Header & Footers

> <u>MS EXCEL</u>

Introduction to Excel, Formatting excel workbook, perform calculations with functions, sort and filter, plotting 2D and 3D graphs

➢ <u>MS POWERPOINT</u>

Setting up PowerPoint environment, creating slides and applying themes, working with bullets, and numbering, working with objects etc.

> DATA COMMUNICATIONS

Basics of Email, Dropbox etc.

Questions of Certificate Course

1. মৌলিক অধিকার বলতে কি বোঝায়। What do you mean by Fundamental Rights.

2. ভারতীয় সংবিধানের ১৪ নং ধারার সম্পর্কে লেখ। Explain Article 14 of Indian Constitution.

3. বন্দি প্রত্যক্ষীকরণ কি। What is Habeas Corpus.

4 নারীর সামাজিক মর্যাদার অবনতি হতে শুরু করেছিল কোন যুগ থেকে? The social status of women began to deteriorate from which era?

a) বৈদিক যুগ (Vedic Age)

b) পরবর্তী বৈদিক যুগ(After – Vedic Period)

c) বৌদ্ধ যুগ (Buddhist

Era)

d) মৌর্য যুগ (Mouriyan Periods)

5/"যেকোনো ধর্মই আমাদের মানবিক মূল্যবোধের শিক্ষা দেয় "–এই উক্তিটি সমন্ধে তোমার উত্তর কোনটি হবে? Any religion teaches us human values" – What will be your answer to this statement?

- a) সত্য (True)
- b) মোটামুটি সত্য (Pretty true)
- c) মিথ্যে (False)
- d) পুরোপুরি মিথ্যা (Totally False)

6/ মূল্যবোধের শিক্ষা প্রথম আমরা কোথা থেকে পেয়ে থাকি? Where do we get the first education of values?

- a) বাবা মার কাছ থেকে From parents
- b) স্কুল থেকে From School
- c) কলেজ থেকে From College
- d) বন্ধুদের থেকে From Friends

7/UNESCO ভারতবর্ষের কটি ঐতিহ্যবাহী স্থানকে World Heritage Site এর স্বীকৃতি দিয়েছে ? How many heritage sites in India have been recognized by UNESCO as World Heritage Sites? A) 32

- B) 35
- C) 40
- D) 46

8/মূল্যবোধ তৈরিতে স্থাপত্য-ভাস্কর্যের গুরুত্ব কী ? What is the importance of architecture and sculpture in creating values?

9/ মহারাষ্ট্রের ইলোরা গুহায় কোন ধর্মের প্রতিফলন ঘটেছে ? Which religion is reflected in the Ellora Caves of Maharashtra?

- A) জৈন Jain
- B) বৌদ্ধ Buddhist
- C) শিখ Sikhs
- D) ইসলাম Islam

10/একটি স্থাপত্যশৈলী কীভাবে তার নান্দনিক মূল্যের দিকটি চিহ্নিত করে ?

How does an architectural style determine its aesthetic value?

11/ রাণী কী ভাব (Rani Ki Vab) এই স্থাপত্যশৈলীটি কোন রাজ্যে অবস্থিত ?

Rani Ki Vab (Rani Ki Vab) This style of architecture is located in which state?

- A) গুজরাট (Gujrat)
- B) তামিলনাড়ু (Tamilnadu)
- C) বিহার (Bihar)
- D) মহারাষ্ট্র (Maharashtra)

Last modified: 19:22

KHARAGPUR COLLEGE NOTICE

A certificate Course on **Skill development on different languages & Computer Knowledge** will be organised by the Kharagpur College Morning Shift from 23-05-2023 to 02-06-2023 Duration of certificate Course will be 30 hrs. All Students of the B. A General (Morning shift) and any student of Commerce Science of the college may join in the Course.

Members of the organizing Committee:

Co-coordinator- **Dr. Sukla Mandal Saha**, Associate prof. of Economies, Morning In-charge

Joint Co-coordinator - Prof. Tirtharaj Biswas, SACT, Bengali

- Prof. Indranil Mahapatra, SACT, English
- Sri Milan De, SACT, History
- Sri Swapan Kamilya, SACT, Political Science
- Smt.Banashree Routh, SACT, Physical Education
- Sri Witam PradhanSACT, Physical Education



ATTESTED Principal Kharagpur College

Principal

Kharagpur College

KHARAGPUR COLLEGE <u>NOTICE</u>

Date: 13/05 /2023

Certificate course on SKILL DEVELOPMENT ON DIFFERENT LANGUAGES AND COMPUTER KNOWLEDGE

Organized by Kharagpur College (Morning Shift) Date of Commencement: 23.05.2023 Duration 30 Hours

Syllabus for language skill development :

Theory

- 1) Assigning to critical thinking.
- 2) Reading of text books.
- 3) The basics of writing skills.
- 4) Developing communication skills.
- 5) Developing the listening skills.
- 6) Computer learning.
- 7) Organising Excersise : remembering, understanding , analysing and creating.

Practical

MS WORD : Basics of MS Word, Typing the text, Alignment of text, Text Formatting and saving file, Working with Objects, Header & Footers

MS EXCE L: Introduction to Excel, Formatting excel workbook, perform calculations with functions, sort and filter, plotting 2D and 3D graphs

MS POWERPOINT : Setting up PowerPoint environment, creating slides and applying themes, working with bullets, and numbering, working with objects etc.

DATA COMMUNICATIONS: Basics of Email, Drop box etc.

DATE	Speakers	ТОРІС
	Dr. Bidyut Samanta Principal, Kharagpur College	Keynote Speech
23.05.2023	Dr.Sukla Mandal Saha	Introductory Speech
24.05.2023	Dr.Pankaj Saha	Assigning to critical thinking.
25.05.2023	Dr. Jagmohan Achariya	Reading of text books .
26.05.2023	Prof. Indranil Mahapatra	Development of communication skills.
		Sanskrit Grammar and Enhance writing skill in
		Sanskrit
27.05.2023	Dr. Chandan Mandal, SACT	
		Perticipation Hindi student for translator into
		Hindi to
29/05/2023	Dr. Somnath Mahato	
		Developing communication skills in Hindi
	Dr Pajooy Kumar Pawat	Language & Organizing Exercise :
	Senior Hindi Officer	remembering, understanding , analysing and
30.05.2023	IIT Kharagpur	creating.
		Developing the concept of writing skills and
31.05.2023	Prof. Tirtharaj Biswas, SACT	enhancing writing skills.

	Prof. Malay De	Writing skill in grammatical perspective
1.06.2023	Sri Sagnik Das , Student	Public speaking
2 06 2023		
05/06/23		Computer Practical Class.
06/06/23		
07/06/23		

Dr. Sukla Mandal Saha In - charge Morning shift Kharagpur College



ATTESTED Vincipal Kharagpur College

Examination Paper for Certificate course on SKILL DEVELOPMENT ON DIFFERENT LANGUAGES AND COMPUTER KNOWLEDGE

Total Marks – 10

Answer any Ten Questions.

Time : 30 Minuit's

Question no. 1. What is meant by critical thinking in language development skills?

- a. Criticizing a classmate's language
- b. Criticize someone who is guilty of using bad language for a situation
- c. To make an overall assessment of a situation on the basis of available information and facts
- d. Criticizing oneself by blaming one's own language.
- Question no. 2. Which of the following is not an essential part of language skill development?
- a. Comprehension and expression
- b. Learn by heart and repetition
- c. Understanding and thinking
- d. Reading language literature of reputed level

Question No. 3. There are four skills of language development including listening skills, recital skills, reading skills. Choose the fourth skill from the options given below.

- a. Writing skills
- b. Journalistic skills
- c. Study skills
- d. Thinking skills

Question No. 4. Translation is a helpful tool for language skill development and getting employment opportunities in the field of language. Latest information technology has developed many software programs in the field of inter-language translation. Which of the following is not related to translation software?

a. Mantra

b. Kanthasth

c. Microsoft Bing

d. Cad Cam

Question No. 5. Unicode system on computers has given new dimensions to language skill development. Which keyboard has been accepted as a standard for writing Indian languages in their script directly on the computer?

a. In script

b. Phonetic

c. Remington

d. Godrej

৬/ L S R W কি?

৭/ লিখন প্রক্রিয়ার ধাপগুলি কি কি?

৮/ বিচ্যুতি কি?

৯/জটিল বাক্য একটি উদাহরণ দাও।

১০/লিখন দক্ষতা বৃদ্ধির দুটি উপায় লেখ.

১১/সংহিতা সজ্ঞা বিনিয়কম সূত্রম অস্তি কথাটির অর্থ কি?

১২/কেন সূত্রেণ 'নদী' সংজ্ঞা দাও।

১৩/সংস্কৃতে কারক কয়প্রকার ও কি কি?

১৪/পিতরৌ ইত্যএক: সমাস : কথাটির অর্থ কি?

১৫/ ব্যাকরণগত বিচ্যুতি কি?

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KHARAGPUR COLLEGE KHARAGPUR

ESTD.: 1949

P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur, P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

Ref. No.

Date: 06/02/2023

NOTICE

This is to notify all the students that the college is going to organize a 30 Hours Certificate Course on "Karate, Self-Defense, Kick-Boxing & Fitness" in association with "Self Defense and Fitness Academy", supported by Kyokushin Kan International (Inda Branch) from 13th February to 20th February, 2023. Interested students are requested to contact Prof. Subrata Paria (Mob: 9434543367) regarding this matter on or before 11th February, 2023.



B2 06/02/23

Dr. Bidyut Samanta Principal Kharagpur College *Principal* Kharagpur College

Kharagpur College Course Module on Karate, Self – Defense, Kick Boxing & Fitness

Module-1 Basic Exercises, Stretching, Technical Terms, Hand & Leg Drills

Module-2 Punch Kick Coordination Kick pad Training Kick boxing, Leg Drills, Punches, and Blocks

- Wrestling, Stepping, Techniques, Katas of Karate Module-3 Rank Classification
- Self- defense Techniques, Fighting Movements Module-4 Defense of attacks, Strikes of Karate
- Kick boxing, Point Scoring System, Karate Point Module-5 Scoring System
- Differences between Kick boxing and uses of Module-6 Self -defense Techniques, Control over oneself , Different Fighting Techniques

CQR(Close Quarter Combat, Unarmed Combat, Module-7 Armed Combat, Weapons Training, Use of pens Dupatta in real life fights by Girls for their

Self-defense.

13.03.2023 Signature of the Head Coach Self-defense and Fitness Academy Kharagpur

Signature of the Principal Kharagpur College

> Principal Kharagpur College



KHARAGPUR COLLEGE

Certificate course onKarate, Self Defense Kick Boxing & Fitness (2022-2023)

Basic Level – I

Written Exam-10marks, Practical – 20marks

Ti	me- 30minute Total – 30marks
Na	me of the student –
Na	me of the Department – Semester
An	swer any five questions 5x2=10
1)	$\frac{1}{1}$
1)	what is the meaning of karate?
	i) Strikes with empty hands and legs. II) Strike with empty hands
21	III) Strike with weapons (V) Strike with gun.
2)	i) leave iii) testie
	I) Japan II) India
21	II) China IV) North Korea
5)	i) Solf defense
	i) Self defense ii) Violence iii)
1)	What is the Japanese term of "Bunch"2
4)	i) Gori ii) Lichiro
5)	What is the highest rank in karate?
5)	i) Black belt ii) brown belt
	iji) Green helt
6)	What is the name of Martial Art of India?
0,	i) Karate [] iii) iudo
	iii)kungfu iv) Kalarinavattu
7)	What is the use of karate and kick boxing?
.,	i) To protect somebody ii) to be a fighter
	iii) To show hatred iv) to maintain peace and harmony
8)	What is the important aspect of Martial Art?
	i) Discipline ii) fighter iii)strong & fit body iv) develop muscles

KHARAGPUR COLLEGE

Certificate Course on Karate, Self-defense, Kick Boxing & Fitness (Basic Level-I) Duration-13.03.2023 to 20.03.2023 (30 hrs) Evaluation Method-Written Test and Practical Written-10 marks Practical-20 Marks Total-30 Time-30 Minutes

SI	Name of the Student	Semester	Score in	Score in	Tatal		
NO	0.		written	Practical	Total	Obtained	Remarks
			Exam	Fyam	score	Grade	
1	Suparna Dey	3rd	10		• •		
2.	Sohan Chandra	2nd	10	10	28		
3.	Chaitali Maity	4th	in	19	29		
4.	Anushree Kathu	2 nd	10	17	27	~	
5.	Monika Karam	2 nd	10	16	26		
6.	MD Neshar Ahmmad	4 th	10	16	26		
	Ansari	1 cm	10	18	28		
7.	T. Lavanya	4 th	10	17			
8.	Fardeen Hossein Khan	2nd	10	17	27		
9.	Silpa Paria	2nd		17	27		
10.	Muskan Khatun	2nd	10	15	25		
11.	SK. Sattar	2nd	10	17	27		
12.	Barsha Patra	2 nd	10	15	25		
13.	Upashana Chakraborty	2nd	10	19	29		
14.	M. Ganeswari	2nd	10	18	28		
15.	Rumeli Roy	2nd	10	17	27		
16.	Sanjita Saren	2nd	10	19	27		
17.	Sneha Biswas	2nd	10	18	28		
18.	Sanjana khatun	2nd	10	17	27		
19.	Santu Paul	Ath	10	16	26		
20.	Deep Chakraborty	2nd	10	15	25		
21.	Janmeniov Chakraborty	2110	10	15	25		
22.	Ankita Bera	2nd	10	17	27		
23.	Reena Kumari	211U	10	16	26		
24.	Ganesh Chakraborty	4 UI 2nd	10	17	27		
		2110	10	16	26		





Saathi Date ___ / ___ /. Name the Teacher Designation with Rayk Name . Viven Paul 2nd DANBLACKBELT (SPAIN) (Indian Atzforce) 1st DAN BLACK BEIT Ondia National Champion, 2022 2. Surjakantz Paul 3. Wrishne Bag 1St DAN BLACK Belt National Champsion, Girls Category, 2022 4, Rupan Guchaout · Bran Belt Dismict championship e placed 3rd Position 2021 SELF DEFENSE & FITNESS ACADEMY Vivel Tow Proprietor

Gaathi Date ___ / ___ / Schedule time taken Name atter teacher Signature Date Mr. Viver Paul Csensei 13.3.2023 5 classes frelits 10amto3pm 1 Clan Surjako 14.3-2023 loamtollam Mrz. Sur yakautalaul Mr. Rupam Guchhait 4 class Rup 11amto 3pm 14.3.2023 MR. Viver Paul Sclass Mentan 10amto3pm 15.3.2023 Krishne Bag 10amto/Pm 3 class killing 16.03.2023 Mrs. Sagarikachosh 2 class 1pm to 3pm 18.03.2023 10 amto3pm MR. Viver Paul 5 class Mellan 17.03.2023 M2. Rupam Ruchchait 3 Classen Court 10amto 1 Pm 18.03.2023 MAS Sunyakanta Paul 2 class siejkanta 18.03.2023 1Pmto3Pm Wishna Bag 1 class killing 19-03-2023 12nontolPm Evaluation. liventary 70.3.2023 SELF DEFENSE & FITNESS ACADEMY

Kharagpur College Kharagpur <u>Notice for Certificate Course on 'Develop Skills in Sanskrit'</u>

Date: 22.03.2023

This is to inform all the students of the College that a Certificate Course on 'Develop Skills in Sanskrit' will be organized by the Department of Sanskrit, Kharagpur College on and from 05.04.2023. The Course duration will be 30 hours. This course will be both Online and Offline. Last date of Registration for the course is 04.04.2023. Registration Fee is Rs. 100/-(Rupees One Hundred only)

Registration Link for the Course: https://forms.gle/5BAbW7wTw3pbrFJz7

Members of the Organizing Committee:

- 1. Dr. Jagamohan Acharya, Associate Professor & HOD, Sanskrit -Coordinator
- 2. Dr. Ganesh Tosh, SACT, Sanskrit- Member
- 3. Dr. Santanu Mandal, SACT Sanskrit Member
- 4. Prof. Soumik Piri, SACT Sanskrit Member



Principal Kharagpur College *Principal* Kharagpur College

Syllabus

for the Certificate course on Develop Skills in Sanskrit organized by Department of Sanskrit ,Kharagpur College held on and from 05/04/2023 to18/04/2023

- 1. Concept note about Sanskrit
- 2. How do we develop our skills?
- 3. The broadness of Sanskrit Literature.
- 4. Technique of Spoken Sanskrit.
- 5. Translation from Sanskrit to other languages.
- 6. Translation from other languages to Sanskrit.
- 7. General outline of Sanskrit Grammar.
- 8. General Grammar : Pratyayas.
- 9. General Grammar : Samasa.
- 10. General Grammar :Karaka.
- 11. GeneralGrammar : Sandhi.
- 12. Ethics in Sanskrit Gadyakavya.
- 13. What is Sarala Samsktita?
- 14. A relation between Sanskrit and other Literature.
- 15. What is the importance of language and literature

H.O.D. Deptt. of Sanskrit Kharagpur College

ON CERTIFICATE COURSE ON 'DEVELOP SKILLS IN SANSKRIT LITERATORE' Organised by: Dept. of Sanskort, Kharagpur College Date Name of the Resnute Person Topic Signature 05.4.23 Dr-Jyotismoy Pramanik How do we develop Anociate Profemm our skills? Dept- of - physics Coordinutr lanc, hop Colleg. 05-4-2023 Prof. Valita Bhattachanya 12. Bhalia The broadness of Sanskrif (anguage charya on styl23 05/4/2023 Associate Professor Dept. of flistory Kharagpur College. 06.4.2023 3 Dr. Jaganohan Acharya Acharry Belyin Techinaique of Associate Poolenson Spoken Samskort Dept-of Sansknit 6/ 4/2023 Kharagpar College 06.4.2023 (Dr. Ganesh Tosh Transfection SACT, Department of Samski on 06/04/2023 Kharagour College Charrespor 074.2023 Dr. Jagamolan Achange Technique of Associate Professor Spoken Sanskop -2 Dem- of Sanskind Kharagpor Cellege 07/4/2023 (online)

Signator. Name 0-f 10 Date Topk Person Resource 10. Pratyaya Mithe Romi Mai 12.4.203 Dr. Mithu Rani Maish Assistant Probemor in Sanskait Belda Collage, Belde Paschin Modinip. 084202 [Prof. Soumik Pin Samasa SACT Department of Sonskip 08/4/23 Kharagpos College Kharnspor 08.4.2023 Dr. Ganesh Tosh Translation SACT Department of Constant Kharaspor College (cherhspo 13.4.2023 Dr. Pan Kaj Saka संस्थित भारम ह Associate Professor IE-27an उत्पत्ति को l; C.h अर्थ विकास Department of Alndi 13-4.23. Kharagour collage 12.423 Drod Sonmik firi Samass SACT Department of Samskrif m Kharagpor collest 214/2023 Klarag PUT

10.4.2022). Dr. Santanu Mandal Ethnis in 16. SPET Afterpadess portunation of Sansking or (Chimagnus Colless 10.4.23 1.4.2023 2. Dr. Santane Mondal Ethnis in 112 Santaine Mulde SACT Afterpadess alorge Santaine Mulde SACT Afterpadess alorge 16.4.23 Khanaspor Colless 16.4.27				Date
Spert Department of Cansk A (Lunegour College 10.4.23 (Lunegour College 10.4.23 1.4.2073 2. Dr. Santane Mondal Ethis in 112 SACT Giropadess Department of Canskar ow Kharagon College 16.4.27 (Kharagon College 16.4.27	10.4.2022/1. Dr. So	antanu ManDal	Ethns in 16	Senter Mandal
N.4.2073 2 Dr. Santano Momdal Elhis in 110 Santanu Mundel SACT UNOpadess Department of Cans Roth or Khanagpor Collage (6-4.27)	st Depart CL	in agour College	10.4.23	
M.4.2073 12- Dr. Santano Momdal Ethios in ILC Sancer ular				
Kharnagpor Lollage 16-4-23	16-4-2073 12- Dr.	Santano Momidae 2ACT Frank of Constant	Elhiss IN ILE Hitopadesa	×(cy)is
	K	Lamagoor Collage	16-4-23	

To The Principal, Kharagpur College

Subject: 10 Day (30 Hours) Month Certificate/ Short term course on Rural Development

Dear Sir,

This is to inform you that a certificate course on Rural Development for 10 days (30 Hours) of B.A. General 6th Semester Morning Shift Students is going to be held from 23.02.23 to 06.03.23 (10 days) for your kind consideration.

Thanking you.

(b) 02/02/2023

Yours faithfully Sukla Mandal Saha Surkla Mondal Saha

OPPO A31 - ©984M+3W4, Inda, Khar 2024/03/15 13:43

KHARAGPUR COLLEGE NOTICE

A certificate Course on **Rural Development** will be organised by the Kharagpur College Morning Shift from 23.02.2023 to 06-02-2023 Duration of certificate Course will be 30 hrs. All Students of the B. A General (Morning shift) and any student of Commerce Science of the college may join in the Course.

Members of the organizing Committee:

Co-coordinator **Dr. Sukla Mandal Saha**, Associate prof. of Economies, Morning In-charge

- Prof. Indranil Mahapatra, SACT, English
- Sri Milan De, SACT, History
- Sri Swapan Kamilya, SACT, Political Science
- Smt.Banashree Routh, SACT, Physical Education
- Sri Witam PradhanSACT, Physical Education
- Sri Tirtharaj Biswas, SACT, Bengali



ATTESTED Principal Kharagpur College

> Principal Kharagpur College

CERTIFICATE COURSE IN RURAL DEVELOPMENT

Date: 23.2.2023 to 06.02.2023 (10 days / 30 Hours) RURAL DEVLOPMENT CERTIFICATE COURSE

Syllabus:

1/ Concept of Rural development .

2/ Theory of rural Development .

3/ Nature and characteristics of Rural economy.

4/ To make a self sufficient Rural economy sector wise development of is most important. Agriculture

5/ Development & it's policy: land reforms & modernization & mechanisation,

6/ co-operative farming.

7/ Rural. industrialization .

8/ Rural infrastructure and credit Rural administration.

9/ Five year plans & Rural development.

10/ Field survey of 100 days program group wise

Co-Ordinator : Dr. Sukla Mandal Saha

DATE	SPEAKERS	TOPIC
23-02-2023	Dr. Subhra Mishra,	Introductory speech on the concept of Rural
	Kharagpur College	Development and its characteristics.
23-02-2023	Dr.Sukla Mandal Saha,	Rural economy and its importance
	Kharagpur College	
24-02-2023	Prof. swapan Kamilya ,	Sector wise Rural Development programme for
	SACT, Kharagpur College	Government
24-02-2023	Debjani Patra , Staff of	Rural Development and its characteristics of rural
	Kharagpur college	Economy and Development, policy of the state
		Government
02-03-2023	Prof. Pranim Rai,	Role of MGNREGA in Rural Development.
	Kharagpur College	
03-03-2023	Prof. Subrata Pariya,	Rural infrastructure and Rural administration
	Kharagpur college	
04-03-2023	Dr. Bikash kumar Ghosh,	Polo of Co operative in deiry framing
	Kharagpur college	Kole of Co-operative in daily manning
05-03-2023	Dr. Jyotirmoy Pramanik ,	Rural Infrastructure
	IQAC Co-ordinator	
27/02, 28/2,		Valedictory session
01/03, 02/03,		
03/03, 04/03,		
05/03		

Preamble of Rural Develop C. C.

To make balanced economic development Rural Development is an urgent necessity, otherwise a country can not turn into developed country. To fulfill this Objective first of all we have to know the characteristics of the said economy and have to identify the gaps that require intervention. Our Certificate Course tried to fulfill all the objectives so that the said economy can be made as a self Sufficient rural economy. In this course we included in our course module discussion about development in Major sectors like Agriculture Industry and service including development of infrastructure Credit facilities, co-operative farming, land reform, rural Industrialisation etc. Besides we have also included rural development programmes of the Govt of India as well as Govt of West Bengal in the Plan period. To give a practical Knowledge we have include Field work or Survey work and project paper prepation group basis.

<u>KHARAGPUR COLLEGE</u> Date: 06/02/2023 No: MOR/009 <u>CERTIFICATE COUSE ON RURAL DEVLOPMENT</u>

ANSWER TEN QUESTION

10 X 2 =20

- 1. WHAT IS RURAL DEVLOPMENT ?
- 2. MENTION THE YEAR FROM WHICH THE CONCEPT OF RURAL DEVLOPMENT CAME.
- 3. WHAT IS PANCHAYAT ?
- 4. HOW MANY TIERS IN PANCHAYAT IN WEST BENGAL ?
- 5. IS IT DIFFERENT IN DIFFERENT STATE ?
- 6. WHAT IS THE IMPORTANT SECTION IN RURAL AREAS ?
- 7. WHAT IS RURAL INDUSTRIAL ?
- 8. HOW MANY WAYS AGRICULTURE CAN BE DEVELOPED ?
- 9. WHAT IS TECHNOLOGICAL DEVELOPMENT IN AGRICULTURE ?
- 10. WHAT IS MGNREGA ?
- 11. IN WHICH YEAR MGNREGA WAS LAUNCED ?
- 12. WHAT IS THE FULL FORM OF MGNREGA ?
- 13. WHAT ARE THE RURAL INDUSTRIAL PRODUCT ?
- 14. WHAT IS LAND REFORM ?
- 15. WHAT IS SHG ?
- 1. গ্রামীণ উন্নয়ন কাকে বলে?
- 2. গ্রামীণ উন্নয়নের ধারনা কবে থেকে পাওয়া যায়?
- 3. পঞ্চায়েত কি?
- 4. পশ্চিমবঙ্গে পঞ্চায়েতের কটি স্তর?
- 5. এই স্তরগুলো কি বিভিন্ন অন্যান্য রাজ্যে?
- 6. গ্রামে গুরুত্বপূর্ণ খেত্র কোন টি?
- 7. গ্রামীণ শিল্পের উন্নয়ন কি?
- 8. কি কি ভাবে কৃষি উন্নয়ন সম্ভব?
- 9. কৃষির কলাকৌশলের উন্নয়ন কি?
- 10. MGNREGA কি?
- 11. এটি কোন বছরে রূপায়িত হয়েছে?
- 12. MGNREGA এর পূর্ণ শব্দ লেখ।
- 13. গ্রামীণ শিল্পের উৎপাদিত দ্রব্য কি কি?
- 14. ভূমি সংস্কার কি ?
- 15. SHG কি?

Teachers Present ! -DAY1 23.02. 1. Sukla Mondal Saha Resource 2. Subhra Mixhra 23.02.2023 3. J. Brananik 23.02.2023 4 Subreh Fari 5. Debjarni Patra DAY224.02.23 1. Sukla Mondal Saha. 24.02.23 2. J. Bank 24/02/2023, m: Prain Res 24/02/2023 DAY-3 25.02.23. 1. 6 25/02/2023 2 Sukla Mondal Saha 25.02.23 3 Indranil Chathab 25 for 2023 DAY-4 25:02.03 1. Subrah Par Resour 2. Sukla Mondaf Saha. B. 5. Debjerni Patra DAY-5 Broukla Mondal Saha. Swapan Kamilyn 28/02/23 2 Milan De 28.02.23 4. Tintharay Biewas. 28/02/2023 5. Wintal Das 28/02/2023 6. Kuntal Das 28/02/2023 7. Ashis Bose. 28/02/2023. 9) Jon W 28/2/2023

DAY- 6 Teachers Present 1. Sukla Mondal Saha. 01.03.23 2 Aundhati Das 01/03/23 3) Arjun Sale y DAY-7 Subla Mondal Sala . 1, Tintharaj Bievas. 02/ Malay Dey 02.03.2023 Anim Sarli' 02/03/2023 2 31 -8595 4= 5 3 5 ç 2 2 2

E-mail: kharagpurcollege@gmail.com

Website: www.kharagpurcollege.ac.in



KHARAGPUR COLLEGE KHARAGPUR

ESTD.: 1949

P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur, P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

Date: 18.05.2023

Notice

This is to inform all students of the College that the Department of Political Science is introducing a short-term certificate course titled "Recent Trends in Political Science" which is continue from 27th may to 8th June 2023. This course aims to provide students with an in-depth understanding of the latest developments and research in the field of Political Science. Interested students should to take advantage of this opportunity to enhance their knowledge.

Department of Political Science

Principal Kharagpur College

Principal Kharagpur College



Department of Political Science Module-wise detailed Syllabus of Certificate Course

on

Recent Trends in Political Science

(27/05/2023 to 08/06/2023)

Module 1: Recent trends in Centre-State Relations

- A. Recent trends in Centre State Economic Relations
- B. Recent trends in Centre State Administrative Relations
- C. Centre State Relations and its impact on Indian Federal Structure.

Module 2: Recent trends in International Relations.

- A. Role of State and Non-State actors in recent time in IR.
- B. Neo-Liberalism and Realism in recent time.
- C. Identity politics and IR.

Module 3: Role of Bureaucrats in Political System

- A. Definition of Bureaucracy
- B. Max Weber's analysis of Bureaucracy
- C. Bureaucrats and Politics.

Module 4: Global Environmental Issues: An observation.

- A. Importance of Earth Summit
- B. North- South Debate
- C. Sustainable Development.

Module 5: Idea of Peace in Politics.

- A. Idea of Peace
- B. Idea of Peace and Tolerance
- C. Multiculturalism and Pluralism
- D. Peace and Politics.

Module 6: Gender Issues in Politics.

- A. Sex, Gender and Politics
- B. Idea of Feminisms
- C. Meaning of Power Politics, Identity and Gender.

Module 7: International Organizations.

- A. Idealism and League of Nations
- B. Realism and UNO
- C. Role of International Organization in International Politics.

Module 8: Democracy and Human Rights.

- A. Idea of Democracy
- B. Natural Rights, Legal Rights and Human Rights
- C. Relations between human Rights and Democracy

Module 9: Governance and Public Policy in India.

- A. Idea of Good Governance
- B. Idea of Public Policy
- C. Public Policy process in India

Module 10: Human-Environment interaction.

- A. Idea of Environment
- B. Impact of Climate Change
- C. Meaning of Human Environment interaction.

Module 11: Citizen- Administration Interface.

- A. What is Public Policy
- B. Citizenship and State
- C. Citizen- Administration interaction.

Module 12: Recent Trends in Political Theory.

- A. Political thought and theory
- B. Relevance of Western and Indian Political Thought

C. Recent Trends.

Module 13: Idea of Power and Populism in Indian politics.

- A. Power and Hegemony
- B. State, Politics of Power
- C. Populism and Identity Politics.

Module 14: Geo-Politics.

- A. Idea of Geo-Politics
- B. Geo-Politics and Diplomacy

C. Impact of Geo-Politics in IR.

Module 15: China factor in Indian Foreign Policy.

- A. Idea of Foreign Policy
- B. India's Foreign Policy
- C. China factor in India's Foreign Policy.

Module 16: Globalization.

- A. Privatisation
- B. Liberalisation
- C. Globalisation.

Module 17: Refugee issues in International Relations.

- A. Refugee crisis in history
- B. Impact of the crisis in IR
- C. Refugee crisis and role of the state.

Module 18: Intellectual Property Rights.

- A. Idea of IPR
- B. Importance of IPR
- C. IPR and IR

Module 19: Literature, Theatre and Politics

- A. Social exploitation
- B. Theatre as reflections of the society
- C. Politicization of Theatre.

SR

(HEAD)

KHARAGPUR COLLEGE Department of Political Science Course Assessment, 8.6.2023

Full Marks -10, Time - 30 Minutes

Name:

Roll: Semester :

1. The state of Telangana was officially formed in

A.2016 B.2015

C. 2014 D.2011

2. The Sarkaria Commission was set up in the year

A.1989 B.1983

C. 2002 D1965

3. When did the President declare emergency, on the request of Ex-Prime Minister Indira Gandhi?

- A. 25 June 1975
- B. 20 October 1975
- C. 22 October 1975
- D. 22 December 1976

4. Which approach to International Relations was introduced as a movement against Liberalism?

- A. Neo Liberalism
- B. Realism
- C. Idealism
- D. Conservatism
- 5. UN Security Council consists of:
- -ETCHES
- : Пепбез
- 2. 19 members
- 0. <u>13 menters</u>
- 6. Cuban Missile Crisis took place in:
- A. 1951
- E. 1961
- C. 1962
- D. Note of these

7. OIC is:

- A. A specialized agency of the UN
- A regional organization
- C. An organization of Muslim states

D.None of these

8. NPT was signed in:

- [A] 1966
- [B] 1968
- [C] 1970

[D] Nore of these

9. Where is the headquarters of the International Union for Conservation of Nature and Natural resources (IUCN) located?

- A Paris
- B. Switzerland
- C. New York
- D. More than one of the above

10. As per which of the following banned the use of chlorofluorocarbon (CFC) compounds, as well as other ozone depleting chemicals?

- A. Venne Convention
- B. Kyoto Protocol
- C. The Paris Agreement
- D. Montreal Protocol

11. The process of being fair to women and men is also termed

A. Gender equity

- B. Gender sensitivity
- C. Gender awareness
- D. Gender equality
- 12. The UNO was established on 24th October, 1945 with delegates from
 - A. 35 countries
 - B. 40 countries
 - C. 45 countries
 - D. 50 countries

13. The headquarters of UNESCO is at

- A. New york
- B. Paris
- C. Geneva
- D. Rome

14. The headquarters of the 'International Labour Organization' is located at _____

- A. London
- B. Geneva
- C. Berlin
- D. Washington

15. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) guaranteeing a minimum of ______ days of paid work per year to all families whose adult members opt for unskilled labour-intensive

work.

- A. 100
- B. 150
- C. 120
- D. 200

16. Which of the following ministries is responsible for governing Indira Awaas Yojana ?

- A. Ministry of Labour and Employment
- B. Ministry of Rural Development
- C. Ministry of Human Resource Development
- D. Ministry of Social Justice and Empowerment

17. Which of the following tax has been abolished by the GST?

A. Service Tax

- B. Income Tax
- C. Corporation Tax
- D. Wealth Tax

18. When 'Swachh Bharat Abhiyan' was launched?

- A. 2013
- B. 2014
- C. 2015
- D. 2016

19. Which of the following is not correctly matched?

- A. Mahila Samridhi Yojana 1993
- B. Women Self-Empowerment Plan 1998
- C. Mahila Samakhya Programme 1989
- D. National Posahar Mission Plan 2003

20. The concept used by the Indian Tourism Ministry to popularize for promotion of tourism in India is

- A. God's Country
- B. Pearl of the East
- C. Beautiful India
- D. Incredible India

Kharagpur College Department of Political Science

Certificate Course on *Recent Trends in Political Science* Course Duration : 30 hours (27/05/23-08/06/23)

Course Outcome : This Course will help students to understand the different aspects of Political Science i.e the current scenario and hidden cleavages in the national and international order. At the same time it will help them to develop their understanding regarding the activity of administrative services, duties of legislative assembly, rights, role of media and various civil society organizations along with the role of State. This course intends to equip students with knowledge on different burning social issues which are affecting their livelihood directly or indirectly.

SK A

Coordinator

KHARAGPUR COLLEGE Department of Political Science Report of the Certificate Course Session: 2022-23

A 30 hours duration Certificate Course was conducted by the Department of Political Science, Kharagpur College, titled *Recent Trends in Political Science* on and from 27-05-23 to 08-06-2023.

Complete course design, bearing date-time-topic and topic-wise name of the teacher, was published before the Course. 158(One Hundred and Fifty Eight) students have enrolled themselves through online registration portal and the same number of students of the Department have successfully completed the course through an evaluation process.

Entire course was conducted through 10(Ten) working days (02 classes per day with a span of one and a half hour each, excluding question-answer session); 20 (twenty) classes; and on 20(twenty) different topics.

Teachers from different universities, colleges and the teachers of different Departments of Kharagpur College along with the Departmental teachers, have taken the aforesaid number of classes as per course schedule. Through a MCQ pattern question the evaluation process was held, scripts were examined by the teachers, and on the last day after valedictory session participation certificates were distributed among the participants.

Ang Rah SK

(Head) Department of Political Science Kharagpur College.



Department of Physics Kharagpur College

Notice for Certificate Course on "Computer Programing using MATLAB & Python Language".

Date: 24.05.2023

This is to inform all the students of the College that a certificate course on "Computer Programmig using MATLAB & Python Language" will be organized by the Department of Physics, Kharagpur College on and from 29.05.2023. The course duration will be 30 hours. This course will be both online and offline mode. Last date of registration for the course is 28.05.2023. Registration fee is Rs.100/- (Rupees one hundred only). You have to pay the registration fees Rs. 100 through the website link, kharagpurcollege.in >admission rule > Click here for UG section > Click here for certificate course fee (commerce) within 28/05/2023 midnight positively.

Registration Link for the Course: <u>https://forms.gle/7as8ABMxfeZrEsNx9</u>

Members of the Organizing Committee:

- 1. Dr. Debasish Aich, Assistant Professor in Physics
- 2. Dr. Jyotirmoy Pramanik, Associate Professor in Physics
- 3. Dr. Tanika Kar, Associate Professor in Physics
- 4. Dr. Ritwik Saha, Assistant Professor in Physics
- 5. Prof. Rudra Narayan Mondal, Assistant Professor in Physics
- 6. Dr. Samir Kumar Giri, Assistant Professor & HOD, Physics, Coordinator
- 7. Prof. Mihir Das, Assistant Professor in Physics
- 8. Dr. Parbati Basu, SACT I
- 9. Sri Pankaj Patra, SACT II



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Department of Physics Kharagpur College

Certificate Course on "Computer Programing using MATLAB & Python Language".

(Duration: 29.05.2023 to 10.07.2023)

Module - 1

- 1. Local environment setup
 - a. Basic installation steps
- 2. Understanding the MATLAB environment
 - a. Current folder
 - b. Command window
 - c. Workspace
 - d. Command history
- 3. Basic syntax
 - a. Some basic hands on practice
 - b. Use of semicolon in MATLAB
 - c. Adding comments to the code
 - d. Some commonly used operators and special characters
 - e. Naming variables
 - f. Saving and loading variables
- 4. Variables
 - a. Assigning variables
 - b. Multiple assignments
 - c. The clear command
 - d. Long assignments
 - e. Creating vectors
 - f. Creating matrices
- 5. Commands
 - a. Commands for managing a session
 - b. Commands for working with the system
 - c. Input and output commands
 - d. Vector, matrix and array commands
 - e. Plotting commands
 - f. Creating script files (.m files)
- 6. Operators
 - a. Arithmetic operators
 - b. Relational operators
 - c. Logical operators

Module - 2

- 1. Vectors
 - a. Row vectors
 - b. Column vectors

- c. Referencing the elements of a vector
- d. Vector operations
- 2. Matrix
 - a. Creating a matrix
 - b. Referencing the elements of a matrix
 - c. Deleting a row or a column in a matrix
 - d. Matrix operations
- 3. Arrays
 - a. Some special arrays in MATLAB
 - b. Multidimensional arrays
 - c. Some array functions
 - d. Sorting arrays
 - e. Cell array
- 4. Colon notation

Module - 3

- 1. Analytical Functions
 - a. Syntax of an analytical function
 - b. Anonymous functions
- 2. Data Import
 - a. The importdata() function
 - b. Import text data files
- 3. Data Output
- 4. Making plots
 - a. The plot() function
 - b. Adding titles and labels to the plot
 - c. Drawing multiple functions on the same graph
 - d. Setting colors on graph
 - e. Generating sub plot

Module – 4

- 1. Algebra
 - a. Solving basic algebraic equations
 - b. Solving quadratic equations
 - c. Solving higher order equations
 - d. Solving system of equations
- 2. Differentiation
 - a. The diff() command
 - b. Calculating higher order derivatives
 - c. Finding maxima and minima of a curve
 - d. Solving differential equations
- 3. Integration
 - a. Computing indefinite integral
 - b. Computing definite integral
- 4. Polynomials
 - a. Representing polynomials as row vectors

- b. Evaluating polynomials
- c. Finding roots of a polynomials
- d. Polynomial curve fitting

Module – 5

- 1. Differential Equations
 - a. First order linear ODE
 - b. Solve differential equation with condition
 - c. Non-linear differential equation with initial condition
 - d. Second order ODE with initial conditions
 - e. Third order ODE with initial conditions

Module – 6

- 1. Introduction to Python
- 2. Overview of Python and its applications
- 3. Installation of Python and an IDE (e.g., Anaconda, Jupyter notebook, Pydroid 3 for Android mobile)
- 4. Basics: variables, data types (Int, Float, Complex, List, Tuple, Set, String etc.), and basic mathematical operations

Module – 7

- 1. Control Flow: Conditional statements (if, else, elif)
- 2. Looping structures (for, while)
- 3. Applications (To check even or odd number, Leap year, sum of n numbers, Factorial)

Module – 8

- 1. Introduction to functions User defined functions def: (return statement, default values for arguments, key word arguments), lambda function.
- 2. Applications

Module – 9

- 1. Introduction to lists, strings and tuples
- 2. Operations using lists, strings and tuples
- 3. List comprehensions

Module - 10

- 1. Introduction of graph plotting using Python
- 2. Pip installation of matplotlib in pydroid 3 using python repository plugin
- 3. Matplotlib as a plotting Module: Basics of XY-plotting of function (i) power laws and exponential functions, (ii) trigonometric functions.

Department of Physics, Kharagpur College Certificate Course on "Computer Programing using MATLAB & Python Language" <u>Course Schedule</u>

29.05.2023	Inaugural Address by the Principal & HOD Physics and E introduction to the course (12.00 noon to 2.00 pm.			
Dates	2 pm -3:30 pm •	3:30 pm -5 pm		
	MR	MR		
	MR	JP		
12.06.2023	MR	JP		
14.06.2023	MR	JP		
14.00.2023	MP	MR		
16.06.2023	MR	RS		
21.06.2023	MR	RS		
23.06.2023	MR	RNM		
28.06.2023	MR	RNM		
30.06.2023	MK	RNM		
04.07.2023	MR	Valedictory Address		
10.07.2023	Evaluation	valeutetory manual		

JP – Dr. Jyotrimoy Pramanik, RS – Dr. Ritwik Saha, RNM – Prof. Rudra Narayan Mondal, MR – Mr. Manideep Roy (PMRF, IIT-KGP)

40 1A.05.23 Coordinators of certificate course





Principal Kharagpur Cr

Kharagpur College Department of Physics Certificate course on " "Computer Programming using MATLAB & Python Language" Duration: 29/05/2023 to 10/07/2023

Date of Evaluation: 10.07.2023

MCQ

Name	
Sem	
Roll number	

Tick the correct answer

- 1) Which among the following can be a variable name in Matlab
- a. x6
- b. for
- c. 1college
- d. Calculate#1
- 2) If f=sin(x*y). Which among the following Matlab code can used to find the partial derivate of f with respect to x.
- a. syms y diff(f)
- b. syms x,y diff(f,x)
- c. syms x,y diff(f,y)
- d. syms x diff(f)
- 3) Which among the following in-built function is used for solving numerical integration in Matlab.
- a. integrate
- b. int
- c. integration
- d. integral

- 4) Which among the following in-built function is used for solving differential equation in Matlab.
- a. dsolve
- b. dsolution
- c. diffsolve
- d. solvediff
- 5) If A and B are two matrices. Which among the following is the correct MATLAB syntax to perform matrix multiplication (BA).
- a. A.*B
- b. B.*A
- c. B*A
- d. A*B
- 6) If A and B are two matrices. Which among the following is the correct MATLAB syntax to perform element wise multiplication of two matrices.
- a. A*B
- b. B*A
- c. B*.A
- d. B.*A
- 7) Index of an array in Matlab start with
- a. 0
- b. 1
- c. Depends on the class of array.
- d. Unknown
- 8) What is the return type of angles function in Matlab.
- a. Degree
- b. Radians and Degree
- c. Radians
- d. Depend on the argument.
- 9) Which of the following command is used to clear command window in Matlab.
- a. clc
- b. clear

- c. close all
- d. clear all

10) Which among the following is not a predefined variable in Matlab

- a. inf
- b. pi
- c. i
- d. gravity
- 11) Which among the following inbuilt function returns the adjoint of a matrix in Matlab.
- a. det
- b. inv
- c. adjoint
- d. adj

12) In Matlab, which among the command is used to add text label to x axis.

- a. axes
- b. xlabel
- c. axis
- d. ylabel
- 13) x=2*3;

y=x*2

What will be the output when the above commands are executed in Matlab.

- a. y=12
 - x=2*3
- b. y=12 x=6
- c. y=2*3*2
 - x=6
- d. y=12

14) What is the use of abs function in Matlab.

- a. Returns the magnitude of a number.
- b. Returns the square root of a number.
- c. Returns the power of a number.

d. None

15) Which among the following is used to check if two elements are equal in Matlab.

- a. !=
- b. =
- c. ==
- d. isequal

Department of Philosophy

Kharagpur College

NOTICE

It is hereby notified that a Certificate Course on Ethics and Practice will be organized by the Department of Philosophy, Kharagpur College from 31st May 2023 at 11:00 AM in Room No: 210. The duration of the course will be 30 hours. Students of the Philosophy Department are requested to join the above-said course. Students of other department may also join in this course.

RegistrationLink for the Course: <u>https://forms.gle/XNxUi77Rc1yAwZDT9</u>

Sd/- 1 26/05/2023

Dr Bidyut Samanta

(Principal)

Kharagpur College



(HOD, Dept of Philosophy)

Kharagpur College



Department of Philosophy

Kharagpur College

Module wise detailed syllabus of Certificate Course on Ethics and Practice

Module: 1 - What is Ethics?

- Postulates of Ethics
- Different Branches of Ethics
- Basic Tenets of Practical Ethics

Module: 2 - The Main Ethical Theories

- Hedonism
- Utilitarianism
- Kant's Deontological Theory
- Care Ethics

Module: 3 – Justice and Fairness

- War and Peace
- Global Justice

Module: 4 – Reverence for Life

- Abortion
- Euthanasia
- Suicide

Module: 4 – Discrimination

- Caste Discrimination
- Gander Discrimination

Module: 5 – Ecology

- Environmental Values
- Indian and Western Concept of Environmental Ethics
- Eco-feminism

Module: 6 – Tolerance

• Non-violence

Module: 7 – Business Ethics

- Health and Safety
- Harassment and Discrimination at Workplace
- Technology and Privacy Practice

Module: 8 - Buddhist Ethics

- Brahmabihāra
- Paņcaśīla

Module: 9 - Ethics in the Gītā

- Nişkāmakarma
- Svadharma
- Sādahāranadharma višesadharma
- Sthitaprajña

Module: 10 – Why Should We be Ethical?

• Moral Values and Judgments

Certificate course on "Ethics and Practice"

Questions

- 1. The Subject-mater of ethics is
 - a. Human conduct
 - b. Ultimate truth
 - c. Knowledge
 - d. None of these

2. Bentham's version of hedonism is known as

- a. Quantitative hedonism
- b. Qualitative hedonism
- c. Universal hedonism
- d. None of these
- 3. According to Kant moral law is
 - a. A-priori
 - b. A-postiriori
 - c. Empirical
 - d. None of these
- 4. According to Buddhism-is the means to the cessation of suffering
 - a. Astanga-marga
 - b. Karma
 - c. Bhakti
 - d. None of these

5. Brahmabihara of the Buddhist include the following-

- a. Maitri, karuna, vinay, upeksa
- b. Maitri, Karuna, Mudita. upeksa
- c. Vinaya, karuna, mudita, upeksa
- d. Maitre, mudita, upeksa, vinaya

6. The central meaning of the Bhagvad Gita's doctrine of niskama karma is

- a. Doing action considering on oneself as an instrument
- b. Doing action without attachment
- c. Doing action for attaining liberation
- d. Doing action for the betterment of others

7. When did the eco-feminist movement emerge?

- a. 2000
- b. 1970
- c. 1980
- d. 2010

8. Who sees nature as god?

- a. Vandana Shiva
- b. Karen J. Warren
- c. Val Plumwood
- d. Ariel Sallch

9. Which movement could be constructed as the foundation of feminist political ecology in India?

- a. Swadeshi Movement
- b. Satyagraha Movement
- c. Chipko Movement
- d. Independence Movement

10. Which of these statements is TRUE regarding "Gender"?

- a. It is a numerical concept
- b. It is biologically determined
- c. It is the same as the sex of the person
- d. It is a social construct

KHARAGPUR COLLEGE Department of Philosophy Report of Certificate Course Session – 2022-2023

A 30 hours duration Certificate course was conducted by the Department of Philosophy, Kharagpur College, titled Ethics and Practice on and from 31.05.2023 to 21.06.2023

Complete course design, bearing date-time and topic-wise name of the teacher, was published before the course. 45(Forty five) students have enrolled themselves through online registration portal and the same number of students of the Department have successfully completed the course through an evaluation process.

Entire course was conducted through 10(Ten) working days (02 classes per day): 20 (twenty) classes: and on 10(ten) different topics.

Teachers from different colleges along with the Departmental teachers have taken the aforesaid number of classes as per course schedule. Through a MCQ pattern question the evaluation process was held, scripts were examined by the teachers, and on the last day after valedictory session participation certificates were distributed among the participants.

5. Tringa. 1 26 5 2023.

Head

Department of Philosophy Kharagpur College

Kharagpur College

Kharagpur

Notice for Certificate course on Mushroom Cultivation

Date- 14.11.2022

This is to inform all the students of the college that a certificate course on Mushroom Cultivation will be organized jointly by the Botany and Zoology Departments of the college tentatively on and from 5th December 2022.The course duration is 10 days (30 Hours). Maximum 30 students can be allowed in the course. Last date of registration for the course is 25th November, 2022. Registration fee is Rs 400 (Four hundred).

Interested students are advised to contact with the following persons for registration -

1. Mr. Happy Das (Dept. of Botany), Course coordinator

2. Mrs. Moumita Chakraborty (Dept. of Zoology)



14/11/22 Principal

Principal Kharagpur College

Certificate course on Mushroom Cultivation

Theory- (40)

1. Introduction, history, research centers in India and abroad, edible and poisonous mushrooms with example, identifying features of edible and poisonous mushrooms.

2. Nutritive value, medicinal value and biological value of mushrooms.

3.Cultivation procedure of Agaricus brunnescens, Volvariella volvacea, Pleurotus (Requirements, production of spawn, preparation of compost, inoculation of compost, casing, harvesting and storage)

4. Mushroom diseases (fungal, bacterial, viral).

5. Types of foods prepared from mushroom, other uses of mushroom.

Practical- (10)

1. Cultivation technology of mushroom.

<u>KHARAGPUR COLLEGE</u> <u>CERTIFICATE COURSE ON MUSHROOM CULTIVATION-2022</u>

THEORY EXAMINATION

TIME- 30MINS			-	F.M 2×20=40
1.What are the cell wall st a) peptidoglycan b) cellu	ructural compon ilose c) chitin	ents of fungi? d) chitin,cellul	ose, or hemicelluloses	
2. Fungi are sensitive to w a) penicillins b) tetracyc	hich of the follow lins c) chloram	wing antibiotics' phenicol d) gr	? iseofulvin	
3.Coenocytic means				
a) sharing of common cyto c) sharing of common nuc	oplasm b) remo leus d) sharir	val of plasma m ng of common h	embrane yphael wall	
4.Which among the follow a) Budding b) Fragment	ving is not a mode ation c) Zoospc	e of asexual rep ores d) Zygosp	roduction? pores	
5.The fungal disease – the	black rust of wh	eat is caused by		
(a) Melampsora lini	b) Claviceps į	ourpurea		
c) Puccinia graminis tritic	i d) Albugo car	ndida		
6. Which property of fung	i separates them	from plants?		
a) Have chlorophyll b) H	Have Stem c) L:	ack of chloroph	yll d) Have petals	
7. Which of the following	is not an edible v	variety of mushr	oom?	
a) Maitake b) Oyster mu	ishroom c) Mor	el mushroom	d) Amanita phalloides	
8. What is the other name of	'Mushroom?			
a) Funaria b) Dryopteris	c) Agaricus d) Ferus		
9. On the lower side of Pileu	s number of vertica	al plates like struc	ture are present called	
a) Spores b) Organelles	c) Mushroom Dry	vopteris d) Gills	3	
10. Formaldehyde is used as	in mus	shroom cultivation	1.	
a) Disinfectant b) Fertilize	er c) Insect repel	lant d) Food ma	aterial	

• • • •

OUTCOME OF MUSHROOM CULTIVATION COURSE

On successful completion of the course students will be able to:

- 1. Apply their knowledge to cultivate mushroom effectively.
- 2. Identify edible and poisonous mushroom.
- 3. Control disease and pests of mushroom.
- 4. Start small scale industry of mushroom cultivation.
- 5. Able to produce spawn on their own.
- 6. Develop research aptitude.

Notice Kharagpur College Department of Mathematics

Date: 23.05.2023

Commencement of the certificate course on "Advancements of Mathematices for UG Level"

This is for information of all registered students of the Vidyasagar University approved certificate course of duration 15 days (30 hours) on "Advancements of Mathematices for UG Level" organized by the Department of Mathematics, will commence from 24.05.2023.

Sangita chan

Dr. Sangita Chakraborty 23/5/2 Associate professor & Head Deptt. of Mathematics Coordinator

Prof. Anjana Mondal Assistant Professor Deptt. of Mathematics Co-coordinator

1 23/05/2023

Dr. Bidyut Samanta Principal Kharagpur College

Principal Kharagpur College

Certificate Course, Department of Mathematics, Kharagpur College

TITLE: ADVANCEMENTS OF MATHEMATICS FOR UG LEVEL

Date of Commencement of class: 24th May, 2023

Date of Completion: 12th June, 2023

Duration: 30 Hours

Sl. No.	Торіс		Resource Person	Theory/ Practical	Duration	Date & Time
1	Computational and optimization techniques using mathematical software	Basic concepts of MATLAB Functions and Graph plotting in MATLAB, Solution of Differential equation (Both ODE and PDE) using MATLAB	Mr. Manideep Roy, Research Scholar, IIT Kharagpur	Practical	2 hours	24.05.2023 4:00 pm
		Basic concepts of MATHEMATICA, Graph plotting etc.	Mr. Manideep Roy, Research Scholar, IIT Kharagpur	Practical	2 hours	26.05.2023 4:00 pm
		Solution of Linear Programming and Non- Linear Programming problem using LINGO	Mr. Manideep Roy, Research Scholar, IIT Kharagpur	Practical	2 hours	27.05.2023 4:00 pm
	Application of Probability and Statistics	Probability and concept of distribution functions	Prof. Anjana Mondal, Assistant Professor, KGP College	Theory	2 hours	29.05.2023 4:00 pm
2		Continuous and Discrete distributions	Prof. Anjana Mondal, Assistant Professor, Kharagpur College	Theory	2 hours	30.05.2023 4:00 pm
2		Applications of probability distributions in real life	Prof. Anjana Mondal, Assistant Professor, Kharagpur College	Theory	2 hours	31.05.2023 4:00 pm
		Usefulness of statistics, some basic statistical tools	Prof. Anjana Mondal, Assistant Professor, Kharagpur College	Theory	2 hours	01.06.2023 4:00 pm
3	Fluid Mechanics	Basic concept of fluid, Different types of fluid	Mr. Buddhadeb Mondal, State Aided College Teacher, Kharagpur College	Theory	2 hours	02.06.2023 4:00 pm
		Types of fluid flow and their application in real life problems	Mr. Buddhadeb Mondal, State Aided College Teacher, Kharagpur College	Theory	2 hours	05.06.2023 4:00 pm
		Navier Stokes Equation and its applications	Mr. Buddhadeb Mondal, State Aided College Teacher, Kharagpur College	Theory	2 hours	06.06.2023 4:00 pm
		Reynolds number and its importance in fluid mechanics	Mr. Buddhadeb Mondal, State Aided College Teacher, Kharagpur College	Theory	2 hours	07.06.2023 4:00 pm

		Basic concept of Fuzzy Sets Fuzzy Number and their representation	Mr. KousikBhattacharya, State Aided College Teacher, Kharagpur College	Theory	2 hours	08.06.2023 4:00 pm	
	4	Fuzzy Mathematics	Fuzzy Number and their representation	Mr. Kousik Bhattacharya, State Aided College Teacher, Kharapur College	Theory	2 hours	09.06.2023 4:00 pm
		Application of fuzzy set theory in Supply Chain Modelling	Mr. Kousik Bhattacharya, State Aided College Teacher, Kharagpur College	Theory	2 hours	10.06.2023 4:00 pm	
		Executive's Performance based Game theory	Mr. Kousik Bhattacharya, State Aided College Teacher, Kharagpur College	Theory	2 hours	12.06.2023 4:00 pm	

Dr. Sangita Chakraborty Associate Professor & Head, Department of Mathematics, Coordinator Prof. Anjana Mondal Assistant Professor, Department of Mathematics, Co-coordinator

KHARAGPUR COLLEGE DEPARTMENT OF MATHEMATICS CERTIFICATE COURSE ON "ADVANCEMENT OF MATHEMATICS FOR UG LEVEL" DATE: From 24.05.2023 to 12.06.2023 Duration: 15 Days (30 Hours)

SYLLABUS

Module 1. Computational and Optimization Techniques using Mathematical Software

- a. Basic concepts of MATLAB and MATHEMATICA
- b. Functions and graph plotting in MATLAB
- c. Solutions of differential equation (both ODE and PDE) using MATLAB and MATHEMATICA
- d. Solutions of Linear Programming and Non-Linear Programming problem using LINGO

Module 2. Application of Probability and Statistics

- a. Probability concept of distribution functions
- b. Discrete and continuous distribution functions
- c. Applications of probability distributions in real life
- d. Usefulness of statistics
- e. Some basic statistical tools

Module 3. Fluid Mechanics

- a. Basic concept of fluid
- b. Different types of fluid
- c. Types of fluid flow and their applications in real life problems
- d. Navier Stokes Equation and its applications
- e. Reynolds number and its importance in fluid mechanics

Module 4. Fuzzy Mathematics

- a. Basic concept of Fuzzy sets
- b. Fuzzy number and their representation
- c. Application of Fuzzy set theory in Supply Chain Modelling
- d. Application of Fuzzy set theory in Executive's Performance based Game

Dr. Sangita Chakraborty Associate Professor & Head, Department of Mathematics, Coordinator Prof. Anjana Mondal Assistant Professor, Department of Mathematics, Co-coordinator

Department of Mathematics * Kharagpur College Question Paper for Certificate Course on**

"Advancements of Mathematics for UG Level"

MCQ Type Questions: Full Marks-20 : Time- 1 Hour : Date of Exam- 12th June, 2023

- What is the output of the following code in MATLAB? 1. p = 1:5; $q = p.^3$

 - a. [1 125]
 - b. [1 2 3 4 5]
 - c. [1 8 27 64 125]
 - d. [125 64 27 8 1]
- 2. A matrix of 1's of order 3x2 can be obtained in MATLAB using
 - a. Zeros(3,2)
 - b. Ones(3,2)
 - c. ones(3,2)
 - d. rand(3,2)

3.

- Let $A = \begin{pmatrix} 1 & 3 & 4 \\ 4 & 8 & 9 \end{pmatrix}$. The command for building this matrix is:
 - 5 6 a. A=[1 4 5;3 8 6;4 9 2]
 - b. A=[1 3 4;4 8 9;5 6 2]
 - c. A=[1 3 4; 1 4 5;6 8 9 2]
 - d. A=[1 3 4;4 8 10;5 6 2]

Command for getting a submatrix of $B = \begin{pmatrix} 3 & 4 \\ 6 & 2 \end{pmatrix}$ of the matrix A is 4.

- a. B=A(2:3;2:3)
- b. B=A(1:3:1:2)
- c. B=A(1:2;1:2)
- d. B=A(1:3;2:3)
- Let V = (1,2,3,4,5,6,7,8,9,10). How to find product of the elements of V 5.
 - a. V=1:10;sum(V)
 - b. V=1:2:10;prod(V)
 - c. V=1:10;prod(V)
 - d. V=1:1:10;multi(V)
- The probability of any event is 6.
 - is greater than 1 a.
 - lies between 0 and 1 b.
 - may be any real number c.
 - none of these. d.
- 7. A coin is tossed three times in succession, the number of sample points in the sample space is
 - a. 6 8
 - b.
 - 3 c.
 - 16 d.
- A number is chosen at random from first 100 natural numbers. The probability of the chosen number being 8. multiple of 8 is
 - a. 7/12
 - 31/25b.
 - c. 7/10
 - d. 3/25
- 9. The range of a random variable X is
 - $0 < X < \infty$ a.
 - $-\infty < X < 0$ b.
 - $-\infty < X < \infty$ c.
 - -1 < X < 1d.
- If f(x) be any probability density function, then a. $f(x) \ge 0$ and $\int_{-\infty}^{\infty} f(x) dx = 1$. b. f(x) < 0 and $\int_{-\infty}^{\infty} f(x) dx = 1$. 10.

- c. f(x) > 0 and $\int_{-\infty}^{\infty} f(x)dx = 0$. d. f(x) > 0 and $\int_{-\infty}^{\infty} f(x)dx = 1$. Let $f(x) = \begin{cases} kx(1-x), & 0 < x \le 1\\ 0, & elsewhere \end{cases}$. The value of k for which f(x) defines a probability density function 11. 0
 - a.
 - 6 b. 4
 - c.
 - 5 d.
- 12. What is fluid mechanics?
 - Study of fluid behaviour at rest a.
 - Study of fluid behaviour in motion b.
 - Study of fluid behaviour at rest and in motion c.
 - d. Study of fluid behaviour at rest and in motion
- 13. Which of the following is the basic principle of fluid mechanics?
 - a. Momentum principle
 - b. Energy equation
 - c. Continuity equation
 - d. All of the mentioned
- 14. When a fluid is called turbulent?
 - High viscosity of fluid a.
 - Reynolds number is greater than 2000 b.
 - Reynolds number is less than 2000 c.
 - d. The density of the fluid is low
- 15. Which of the following is a type of fluid based on viscosity?
 - a. Real Fluid
 - b. Ideal Fluid
 - Newtonian Fluid c.
 - All of the mentioned d.
 - The range of the membership function of a fuzzy set is
 - a. [0, 1]
 - b. $[0,\infty)$

16.

- c. \mathbb{R}
- (-∞, 0] d.

If $X = \{a, b, c, d\}$ and fuzzy set $A = \frac{0.2}{a} + \frac{0.5}{b} + \frac{0.7}{c} + \frac{0.9}{d}$, then level set of a given fuzzy set A is: 17. a. {*a*, *b*, *c*, *d*}

- b. $\{0.2, 0.5, 0.7, 0.9\}$
- $\{0.3, 0.6, 0.8, 1.0\}$ c.
- d. {1,2,3,4}

If $X = \{a, b, c, d\}$ and fuzzy set $A = \frac{0.8}{a} + \frac{1.0}{b} + \frac{0.3}{c} + \frac{0.1}{d}$, then the α -cut set for $\alpha = 0.3$ is: 18.

- a. $\{a, c\}$
- {*b*,*c*} b.
- {*a*, *b*, *c*} c.
- d. $\{a,b\}$
- 19. Consider a fuzzy set A defined on the interval X = [0, 10] of integers by the membership Junction $\mu_A(x) = \frac{x}{x+2}$ then the α –cut set for $\alpha = 0.3$ is:
 - $\{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ a.
 - $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ b.
 - c. $\{2, 3, 4, 5, 6, 7, 8, 9, 10\}$
 - d. None of the above
- 20. The height h(A) of a fuzzy set A is defined as $h(A) = \sup A(x)$. Then
 - a. h(A)=0
 - b. h(A) < 1
 - c. h(A)>1
 - d. h(A)=1

SUMMARY REPORT ON CERTIFICATE COURSE ENTITLED

"ADVANCEMENT OF MATHEMATICS FOR UG LEVEL"

Organised by

Department of Mathematics, Kharagpur College

DATE: From 24.05.2023 to 12.06.2023 DURATION: 15 Days (30 Hours)

Coordinators: 1. Dr. Sangita Chakraborty, Associate Professor and Head, Department of Mathematics, Kharagpur College

2. Dr. Anjana Mondal, Assistant Professor, Department of Mathematics, Kharagpur College

The certificate course is designed to provide UG students with a solid foundation in various mathematical concepts and techniques, which can lead to improve job prospects and career advancement opportunities. The course also provides a strong foundation for further study in mathematics and statistics or related fields.

This course offers introduction to a range of topics of pure mathematics, applied mathematics including Probability and Statistics, Fluid Mechanics, Fuzzy Mathematics, computational and optimization techniques using mathematical software: MATLAB programming, MATHEMATICA and LINGO. By completing the program, students will be equipping them to pursue a career in Mathematics and Statistics with confidence.

Module 1: Computational and Optimization Techniques using Mathematical Software

Taught by: Mr. Monideep Roy, PMRF, Indian Institute of Technology, Kharagpur

For the analysis, manipulation, and visualization of data, MATLAB offers strong tools. Data cleansing, filtering, analytics, graphing, and interactive visualization creation are among the capabilities it provides. The development and implementation of algorithms is a common usage for MATLAB.

In the certificate course, students have learned to use MATLAB to plot various kinds of graphs. Solving ordinary and partial differential equations in MATLAB and MATHEMATICA makes the process easier and takes less time. Finding solutions to linear and non-linear programming problems manually is quite time-consuming and complicated. However, MATLAB makes this task easier. Students have quite benefited from learning the technique of using MATLAB and MATHEMATICA to solve complicated problems. Further, this will help students in their higher studies and research.

Module 2: Application of Probability and Statistics

Taught by: Dr. Anjana Mondal, Assistant Professor, Dept. of Mathematics, Kharagpur College

Probability theory has been motivated by real-life situations where an experiment is performed and the experimenter observes an outcome. Furthermore, the outcome may not be predicted with certainty. Probability is about interpreting and understanding these outcomes. It basically tells us how often different kinds ofoutcome will happen. As we all live in absolute randomness, its usefulness is wide. Like in, it is used in predicting weather forecast, to estimate potential customers that will be more likely to react positively to specific campaigns, based on their consumption patterns, to determine the best sports strategies for games and competitions, in analyzing insurance policies to determine which plans are best for customers and what deductible amounts they need.

It is not possible to draw reliable conclusions about real behaviour of a random variable on the basis of what we have discovered in our analysis. However, there is a way of generalizing the results of our limited analysis on random variables to broader behaviours, which help us to save time, money and reach more confident results. The way is to use proper probability distribution according to our situation. Lots of probability distribution models exist for different situations, and the key point that we have to select the right one that fits our data and helps us to explain what we want to get.

For example, Binomial distribution can answer what is the probability of getting three defective items in a batch of 100, two flue infections over 20 years, certain number ofside effects from a medicine, certain number of fraudulent transactions in a givenday. Geometric distribution can be used to know the probability that a banker will meet with less than 10 people before encountering someone who is filing bankruptcy, a company can go 5 weeks or longer without experiencing a network failure. Call centers use the Poisson distribution to model the number of expected calls per hour that they will receive, to find the probability that a restaurant willreceive more than a certain number of customers.

The most important probability distribution in Statistics is normal distribution. It is used in technical stock market analysis and other type of analyses, like heights, weights collected form a unbiased sample. Exponential distribution can be used in finding the probability that the time between earthquake occurrences, time between customers, time between geyser eruptions is some specific value. The Gamma distribution is used to model the time in between incoming calls at a call center alongwith the expected number of calls. There are several other applications of probability distributions in real life.

Module 3: Fluid Mechanics

Taught by: Mr. Buddhadeb Mondal, SACT, Dept. of Mathematics, Kharagpur College

Fluid mechanics, the branch of science that deals with the study of fluids (liquids and gases) in a state of rest or motion is an important subject of Civil, Mechanical and Chemical Engineering. Its various branches are fluid statics, fluid kinematics and fluid dynamics.

Impact of fluid mechanics:

- I. **Food processing:** Fluid mechanics is important in the food industry for processing and packaging food products. Students are used fluid dynamics concept in feature to optimize the design of equipment such as mixers, pumps, and conveyors to ensure that food is processed safely and efficiently.
- II. Water supply and Treatment: Plumbing systems in our homes and buildings depend on fluid mechanics. Using fluid dynamics concept the flow of water through pipes, valves, and faucets can be analyzed by the students to ensure that the system is efficient and safe.
- III. Water sports: Activities such as swimming, diving, and water polo all are depend on fluid mechanics principles. Students try to making a athletes in water sports, use fluid dynamics to optimize their movements and equipment to increase speed and efficiency. For example, swimmers use techniques such as streamlining and drag reduction to improve their speed and efficiency in the water.
- IV. Air Travel: Fluid mechanics plays a significant role in the design and operation of airplanes. The study of aerodynamics, a branch of fluid mechanics, helps engineers optimize the shape and size of wings and other aircraft components to improve fuel efficiency and performance. In the context, this is motivated to students to make a aerospace engineer in future.

Overall, fluid mechanics is a fundamental field of study that has a significant impact on our daily lives.

Module 4: Fuzzy Mathematics

Taught by: Dr. Kousik Bhattacharya, SACT, Dept. of Mathematics, Kharagpur College

Fuzzy logic has a significant role to formulate models of different types of real-world problems. This is not the precise rules of the logic itself, but rather the use of qualitative statements to produce a quantitative result. The quantity that should be computed for the problem depends upon various parameters; Most of these parameters could be characterized as follows:

- i) Parameter values and relations between them are uncertain and imprecise. Their estimation is often based on the subjective beliefs of decision maker.
- ii) It is difficult to measure them, either because there is no unit of measurement or there is no quantitative criterion for representing their values.
- iii) The knowledge available about their values and relations is incomplete.
- iv) Some of them are vaguely and unclearly defined.

Fuzzy membership functions are often used in applications, because it models linguistic terms about, more or less, approximately quite well and in a natural way, and it also simplifies the operations on fuzzy numbers. Triangular fuzzy number are determined by three values [1, m, u], where I represents the lower bound, m the mean value and u the upper bound of a fuzzy number. The membership degrees are 0 for points I and u, and it reaches 1 for m. The larger the difference u-l, the greater the uncertainty in the represented data. Boundaries are subjective in nature, and are input by the user of the system.

Impact and Students Reception:

Students participating of the certificate course are very excited about to knowing the new concept of fuzzy set theory and decision making in the uncertain environment. Students have been quite benefited from learning the technique of using MATLAB and MATHEMATICA to solve complicated problems. Further, this will help students in their higher studies and research. By learning all these, students will be motivated to pursue these interesting and important topics in their higher studies. Moreover, this will help them in their competitive exams, JAM, NET, GATE, etc.

The attendance is satisfactory and most of the students are interested to study this topic in details. Their curiosity about to learn this type of different topics outside of their syllabus is more enthusiastic and significant for the teachers as well as the college also.

KHARAGPUR COLLEGE DEPARTMENT OF HISTORY UG & PG Studies

History Department of Kharagpur College is going to organize a 10 days Certificate Course (30 hrs) ON

Significance of Sources in Historical Study

Date: 23.05.2023 to 01.06.2023 Time: 11.00 AM -02.00 PM Venue: Room No- 208

Kharagpur College Department of History (UG & PG studies)

Date: 13/03/2023

Notice

This is to certify that Ten days duration Certificate Course on Significance of Sources in Historical Study for the students of UG and PG Department (Hist, Eng, and Beng) Session 2022-2023 will be started on and from 23.05.2023 to 01.06.2023. All the students are asked to register their names and to attend the aforesaid course.

HOD

Department of History Kharagpur College



ATTESTED Principal Kharagpur College
Topic- Significance of Sources in Historical Study

Unit-1

Introduction Scope and Nature of History

(a) Meaning, Scope and Nature of History

(b) Authenticity, Credibility and Relevance of Sources

(c) Repositories of Sources

♥ Unit-2

Historical Sources

(a) Classification and Organization

(b) Primary sources, Secondary sources; Unconventional Sources

(c) Citation Methods and Bibliography

Unit-3

Analysis of Sources

(a) Difference between History, Memory and Biography

(b) Difference between History and Fiction

(c) Difference between History and Antiquarianism

(d)Cultural Anthropology and Interdisciplinary Approaches

Unit-4

Type of Primary Sources:

a) Diaries, Correspondence, journals, speeches, interviews, letters, memos, photographs, videos, public opinion polls.

b) Government records, Manuscript, Pamphlets, Broadsides, Posters, Newspaper Articles Photographs and Illustrations.

c) Autobiographical Materials, Interview or Speech Transcripts, Oral Histories.

Unit-5 Explain what sources are and how sources can be used a) Government Documents (Laws, Bills, Proceedings, Acts, Census Records.

b) Written Sources, Books, Magazines, Biographies.

-

HOD Department of History Kharagpur college

Kharagpur College

Department of History

Ten days duration Certificate Course

On

Significance of Sources in Historical Study

Evaluation Paper Date :02.06.2023

Time: 30Minues F.M: 10 Date:

Full Name:

College Roll No:

Answer the following questions. All questions are equal value (10x2=20)

1. Who among the following was the first Surveyor General of the Archaeological Survey of India?

a) James Burgess

b) Alexander Cunningham

c) James Princep

d) James Ferguson

2. Which is /are types of Inscriptions?

a) Cave Inscriptions

b) Pillar Inscription

c) Rock Inscription

d) All the above

3. Which is the oldest Brahmanic Literature?

a) Aranyak

b) Upanishad

c) Smriti

D) Veda

4. Social background of Indian Nationalism is a seminar work in the realm of Marxist interpretation of India written by-

a) R.P. Datta

b) Sumit Sarkar

c) James Mill

D) A.R. Desai

5. Who was the historian of modern Indian history?

a) Kalidas

b) Amalesh Tripathi

C) Kalhan

D) Badayuni

HOD

Department of History

Kharagpur colle

Kharagpur College

Department of History Date:03.06.2023

Ten days duration Certificate Course

On

Significance of Sources in Historical Study

Course Outcome: The main aim of the Course is to develop the Knowledge of various platforms in history. This course tried to0 ensure a good learner who would be a author and historian. Studying deeply the history helps us to understand how events in the past made things the way they are today. It helps historians in the reconstruction our past. These sources give a lot of information about the king, their coronation, their empire and society, politics , culture, economy and various aspects of the civilization etc. historical sources give us and in depth understanding of things that have happened in the past from the point of view of the people who lived through them. Different professors of history department have taken the aforesaid number of classes as per course schedule. Through a mcq pattern questions the evaluation process was conducted, scripts were examine by the teachers and on the last day after valedictory session participation certificate were distributed among the participants.

HOD

Department of History

Kharagpur College

Kharagpur college Department of history Report of the certificate coerces Session 2022-2023 Date:03.06.2023

A. 10 Days certificate course was conducted by the department of history, Kharagpur College, title significance of courses in historical study on and from 23/05/2023 to 01/06/2023.

B. Module wise detailed course syllabus was published before the course. Total number of students 180 has enrolled themselves and the same number students of the department have successfully completed the courses.

c. The syllabus of these courses was consisted of 5 modules and the same was conducted through 10 working days.

4.Different Professors of History department have taken the aforesaid number of classes as per course schedule .Through a MCQ pattern question the evaluation process was conducted ,scripts were examined by the teachers and on the last day after valedictory session participation certificates were distributed among the participants .

HOD Department of History Kharagpur college E-mail: kgp college@yahoo.co.in E-mail: kgp college@rediffmail.com E-mail: kharagpurcollege@gmail.com

2: 03222-225920, 257320 Fax: 03222-227926 Website: www.kharagpurcollege.ac.in



DEPARTMENT OF HINDI KHARAGPUR COLLEGE

P.O.- Inda, Kharagpur, Municipality-Kharagpur, Sub-Division-Kharagpur, P.S.- Kharagpur (T), Dist.- Paschim Medinipur, West Bengal, PIN-721305

Ref:

Dt. 10.04.2023

सूचना

हिन्दी विभाग के चतूर्थ सेमेस्टर के विद्यार्थियों को सूचित किया जाता है कि " हिन्दी में रोजगार के अवसर एवं संभावनाएँ'' विषय पर दिनांक 18.04.2023 से 28.04.2023 तक 30 घंटों का एक सर्टिफिकेट कोर्स का आयोजन किया जाएगा। इच्छूक विद्यार्थी उसमें उपस्थित रहें।

10.4.23 हिन्दी - विभाग खड्गपुर कॉलेज, खड्गपुर पश्चिम वंजाल-721305

10/04/23

प्राचार्य

डॉ. विद्युत सामंत खड़गपुर कॉलेज

Principal Kharagpur College





KHARAGPUR COLLEGE DEPARTMENT OF HINDI CERTIFICATE COURSE ON "हिंदी में रोजगार के अवसर एवं संभावनाएँ DATE : From 18.04.2023 to 28.04.2023 Duration : 10 Days (30Hours)

पाठ्यक्रम

1. पत्रकारिता के क्षेत्र में रोजगार के अवसर

- 2. प्रशासन एवं सरकारी कार्यालय में राजभाषा अधिकारी के रूप में रोजगार के अवसर
- 3. अध्यापन के क्षेत्र में रोजगार के अवसर
- 4. रेडियो, जॉकी और समाचार वाचन के रूप में रोजगार के अवसर
- 5. अनुवाद और दुभाषिया के रूप में रोजगार के अवसर
- 6. रचनात्मक लेखन के क्षेत्र में रोजगार के अवसर
- 7. कंप्यूटर के क्षेत्र में रोजगार के अवसर
- 8. फिल्म उद्योग के क्षेत्र में रोजगार के अवसर
- 9. राष्ट्रीयकृत निजी बैंकों में रोजगार के अवसर
- 10. व्यवसाय के क्षेत्र में रोजगार के अवसर
- 11. जनसंचार के क्षेत्र में रोजगार के अवसर
- 12. विज्ञापन के क्षेत्र में रोजगार के अवसर
- 13. हिंदी का विदेशी भाषा के रूप में शिक्षण क्षेत्र में रोजगार के अवसर
- 14. टाइपिंग के क्षेत्र में रोजगार के अवसर
- 15. संपादन के क्षेत्र में रोजगार के अवसर
- 16. न्यायालय के क्षेत्र में रोजगार के अवसर
- 17. टूरिज्म के क्षेत्र में रोजगार के अवसर
- 18. विज्ञान और प्रौद्योगिकी के क्षेत्र में रोजगार के अवसर

Co-ordinator

KHARAGPUR COLLEGE DEPARTMENT OF HINDI CERTIFICATE COURSE ON "हिंदी में रोजगार के अवसर एवं संभावनाएँ DATE : From 18.04.2023 to 28.04.2023

Duration: 10 Days (30Hours

Schedule

Sl.no	Торіс	Resource person	Duration	Date &time
1	डद्घाटन एवं कोर्स की उपयोगिता	डॉ. विद्युत सामंत	1Hour 30 Min	18.04.2023
		प्रचार्य,खडगपुर कॉलेज		2 pm-3:30pm
2	पत्रकारिता के क्षेत्र में रोजगार के अवसर	डॉ. पंकज साहा	1Hour 30 Min	18.04.2023
				3:30pm-05pm
3	प्रशासन एवं सरकारी कार्यालय में राजभाषा अधिकारी के रूप में	डॉ. संजय जायसवाल	1Hour 30 Min	19.04.2023
	}			2 pm-3:30pm
	राजगार के अवसर			
4	अध्यापन के क्षेत्र में रोजगार के अवसर	डा. सजय पासवान	1Hour 30 Min	19.04.2023
		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		3:30pm-05pm
5	रेडियो, जॉकी और समाचार वाचन के रूप में रोजगार के अवसर	डा. श्राकात दिवदा	1Hour 30 Min	20.04.2023
				2 pm-3:30pm
6	अनुवाद और दुभाषिया के रूप में रोजगार के अवसर	डा. राजाव कुमार रावत	1Hour 30 Min	20.04.2023
				3:30pm-05pm
7	रचनात्मक लेखन के क्षेत्र में रोजगार के अवसर	डा. प्रमाद प्रसाद	1Hour 30 Min	21.04.2023
				2 pm-3:30pm
8	कंप्यूटर के क्षेत्र में रोजगार के अवसर	डा. राजाव कुमार रावत	1Hour 30 Min	21.04.2023
				3:30pm-05pm
9	फिल्म उद्योग के क्षेत्र में रोजगार के अवसर	डा. प्रकाश कुमार	1Hour 30 Min	22.04.2023
		अग्रवाल		2 pm-3:30pm
10	राष्ट्रीयकृत निजी बैंकों में रोजगार के अवसर	डा. रणजात कुमार	1Hour 30 Min	22.04.2023
		ासन्हा		3:30pm-05pm
11	व्यवसाय के क्षेत्र में रोजगार के अवसर	डा. रणु गुप्ता	1Hour 30 Min	24.04.2023
				2 pm-3:30pm
12	जनसंचार के क्षेत्र में रोजगार के अवसर	डा. पकज साहा	1Hour 30 Min	24.04.2023
				3:30pm-05pm
13	विज्ञापन के क्षेत्र में रोजगार के अवसर	डा. प्रकाश कुमार	1Hour 30 Min	25.04.2023
		अग्रवाल 		2 pm-3:30pm
14	हिंदी का विदेशी भाषा के रूप में शिक्षण क्षेत्र में रोजगार के	डा. सजय जायसवाल	1Hour 30 Min	25.04.2023
	अवसर			3:30pm-05pm
15	राइगिंग हे क्षेत्र में मेलगा हे अनगर	पो चिनमय मंडल	1 Hour 20 Min	26.04.2022
15	टाइपिंग क दात्र में राजगार के अवसर			20.04.2025 2 nm_2.20nm
16	गंगरन के क्षेत्र में मेनगए के अनगर	डॉ पंकज साहा	1 Hour 20 Min	26 04 2022
10	संपादन क दात्र में राजगार के अवसर			20.04.2025 3:30pm_05pm
17	न्यायानय के भेन में मेन्यम के भनम	प्रो. सौम्यवत शील	1Hour 30 Min	27.04.2023
	े यायालय के दात्र ने राजनार के जपसर		THOM SO WIT	2 nm-3:30nm
18	टी नम के भेज में मेनगए के अनगर	डॉ जगमोहन आचार्या	1Hour 20 Min	27 04 2022
	21001 97 414 9 XIOPIIX 97 JUNIX			3·30pm_05pm
19	ति चान भौर गौटगोगिकी के क्षेत्र में गोनगए के भूतरप	डॉ. अमर अधिकारी	1Hour 30 Min	28 04 2023
	ापरगण जार प्राप्याणका क दात्र में राजगार के अवसर			20.04.2025 2 nm-3.30nm
20	भध्यापन के क्षेत्र में गोनगए के अनगर	डॉ. वेद प्रकाश मिश्र	1Hour 20 Min	2 pm-5.50pm
	जन्मानग क दात्र न राजगार के जपसर			20.04.2025 2.30nm 1.20
21	Examination MCO Type	डॉ संजय पासवान	20 Minutos	4.20 05
			Sommules	430-05pm

wan Course

Co-ordinator

KHARAGPUR COLLEGE DEPARTMENT OF HINDI CERTIFICATE COURSE ON "हिंदी में रोजगार के अवसर एवं संभावनाएँ DATE : From 18.04.2023 to 28.04.2023 Duration : 10 Days (30Hours

MCQ

<u>Name</u>	
Sem	
<u>Roll No</u>	
1. Assembly का पारिभाषिक अर्थ क्या है?	
क) सभा	ख) विधान सभा
ग) विधान परिषद	घ) लोकसभा
2. पत्रकारिता का आरंभ कहाँ से हुआ?	
क) शहरी क्षेत्र से	ख) ग्रामीण क्षेत्र से
ग) कश्बों से	घ) जिला स्तर से
3. समाचार पत्र के किस पृष्ठ को पढ़कर पाठ	क अपनी धारणा बनता है?
क) समाचार पत्र के समाचारों द्वार	ा ख) समाचार पत्र के विज्ञापनों द्वारा
ग) समाचार पत्र की साज-सज्जा द्	वारा घ) संपादकीय द्वारा
4. संचार की प्रक्रिया जब बड़े पैमाने पर होती	है, तब उसे क्या कहते हैं?
क) जनमाध्यम	ख) मीडिया
ग) जनसंचार	घ) संप्रेषण
5. w.w.w. का क्या अर्थ है?	
क) वर्ल्ड वाइड वेन	ख) वर्ड वाइड वफर
ग) वर्ड विजन वेव	घ) वेबसाइट वर्ल्डवाइज
6. कौन-सा अनुवाद बहुत सावधानी और सूक्ष	म ज्ञान का विषय है?
क) साहित्यिक	ख) तकनीकी
ग) वैज्ञानिक	घ) वैज्ञानिक और तकनीकी
7. हिंदी को भारत संघ की राजभाषा के रूप में	संविधान में कब अंगीकृत किया गया?
क)15 अगस्त 1947	ख) 26 जनवरी 1948
ग) 14 सितंबर 1949	घ) 26 जनवरी 1950
8. "Son of India" का सही हिंदी अनुवाद क्य	ा होगा?
क) भारत का पुत्र	ख) भारत का सपूत
ग) भारत का बेटा	घ) इनमें से कोई नहीं
9. अंग्रेजी शासन काल में प्रचलित पद 'कलव	स्टर' का पर्याय है?
क) मजिस्ट्रेट	য়) जज
ग) डिस्ट्रिक्ट मजिस्ट्रेट	घ) इनमें से कोई नहीं
10. संविधान का कौन-सा अनुच्छेद यह घोषि	त करता है कि देवनागरी लिपि में लिखी गई हिंदी संघ की राजभाषा होगी?
क) 341	ख) 342
ग) 343	घ) 351

KHARAGPUR COLLEGE DEPARTMENT OF HINDI CERTIFICATE COURSE ON "हिंदी में रोजगार के अवसर एवं संभावनाएँ" DATE : From 18.04.2023 to 28.04.2023 Duration : 10 Days (30Hours)

विषय –हिंदी में रोजगार के अवसर एवं संभावनाएँ

प्रतिवेदन

हिंदी में रोजगार के अवसर एवं संभावनाओं पर दिनांक 18.04.2023 से 28.04.2023 (10 दिनों) तक हिन्दी विभाग द्वारा एक सर्टिफिकेट कोर्स का संपन्न हुआ। उक्त कोर्स में विभिनन क्षेत्रों में हिन्दी के रोजगार के अवसर पे अनेक विद्वानों ने विद्यार्थियों के समक्ष अपने वक्तव्य रखे। विद्वानो के अपने व्याक्ष्यान में कहा कि रोजगार आज के समय की सबसे बड़ी जरूरत है। हर विद्यार्थी अपनी पढ़ाई के दौरान यह जरूर सोचता है कि पढ़-लिखकर उसे कौन-सा रोजगार मिलेगा? जिस विषय की पढ़ाई वह कर रहा है उसमें रोजगार की कितनी संभावनाएं हैं? हिंदी में रोजगार पाने के कितने अवसर हैं? आज हिंदी के विद्यार्थियों के लिए रोजगार की अपार संभावनाएं हैं। हिंदी के लेकर जो पुरानी मानसिकता थी, आज वह टूट रही है। हिंदी भाषा में पर्याप्त क्षमता है जो लोगों को रोजगार तक ले जा सकती है। हिंदी की लोकप्रियता को देखकर अंग्रेजी एवं अन्य भाषाओं जैसे बांग्ला, उड़िया, आसामी, मराठी, गुजराती, तमिल, तेलुगू के लोग हिंदी भाषा एवं मीडिया की ओर आकर्षित हो रहे हैं। निश्चित तौर पर हिंदी के विद्यार्थियों के भी समक्ष चुनौतियाँ कम नहीं है। चुनौतियों से निपटने के लिए उन्हें द्विभाषी बनना होगा। किसी भी भाषा की निपुणता के लिए उसपर पकड़ बनाना अनिवार्य होता है। विदेशी कंपनियों ने भारत में अपने कारोबार को बहूत बढ़ा लिया है। इसके लिए उन्हें हिंदी प्रोफेशनल्स की आवश्यकता है। आज हिंदी भाषा में ब्लॉग, वेबसाइट, एवं मोबाइल एप्स की भरमार है। इसके लिए देश-विदेशों में हिंदी विशेषज्ञों की मांग बढ़ रही है। भारत विदेशी कंपनियों के लिए बहुत बड़ा बाजार है, जिसमें अपने उत्पादों के साथ-साथ लोगों के बीच पहुँचने के लिए उनको भाषा की आवश्यकता है। हिंदी न केवल भारत में अधिकतर लोगों द्वारा बोली एवं समझी जाती है, बल्कि आज इसका डंका सारे विश्व में बज रहा है। भारत सहित विश्व की अनेक देशों में हिंदी विशेषज्ञों की आवश्यकता बढ़ती जा रही है। हिंदी की लोकप्रियता इतनी अधिक है कि आज सोशल मीडिया से लेकर आम जन के बीच हिंदी का बोलबाला है। इसलिए हिंदी में रोजगार या करियर बनाने के विकल्पों में लगातार वृद्धि हो रही है। इस कोर्स को करने के लिए कुल 25 विद्यार्थियों ने हिस्सा लिया। विद्वानों के व्याख्यान से विद्यार्थियों को नयी–नयीजानकारियाँ मिली औ वे अत्यंत लाभानिवेत हुए। अंत में विद्यार्थियों से एक परीक्ष भी ली गई। विद्यार्थियों को प्रमान पत्र भी दिया गया।

> Course Co-ordinator



Certificate Course on MODERN TRENDS OF RESEARCH METHODOLOGY IN INTERDISCIPLINARY STUDIES

Organized by DEPARTMENT OF GEOGRAPHY

Association with

DEPARTMENT OF ZOOLOGY

& DEPARTMENT OF BOTANY

Date of commencement : 31st May, 2023 onwards Duration : 30 Hours





Certificate Course

on

Modern Trends of Research methodology in Interdisciplinary Studies



Organízed By

Department of Geography In association with Department of Botany & Department of Zoology

Date of Commencement: 31st may,2023 onwards

Duration: 30 Hours



ATTESTED Principal Kharagpur College

Course Overview

This course is designed to lay the foundations of research methods in the interdisciplinary level. It does not deal with expert level depth content of research process, but rather it introduces necessary research tools and techniques over all basis. Students become acquainted with a variety of tools and techniques related data collection, analysis, visualization also it will help them to develop their own research projects. Participants will learn from theoretical discussion of research topics as well as from practical demonstration of specific topics.

This is a thirty hours course, at the end of the course there will be an assignment or test for student to examine learning outcomes at individual level. This course introduces research methods not for a specific issue or subject, rather it gives an opportunity to learn different subject issues of research as they can apply not only in higher education field of study but also different research project also.

Student Learning Outcomes

Upon completing this course, each participant will be able to:

- Understanding the basic knowledge of research processes at interdisciplinary level.
- Understanding the all steps- research problem identification to report writing.
- Understanding different statistical techniques in research process.
- Importance of research ethics and its different dimensions in research.
- Scale of measurement in research.
- Learn the large- and small-scale data analysis using SPSS Software.
- Learn the large- and small-scale data analysis using STATA Software.
- Introduce with QGIS and ArcGIS software for data analysis and visualization purpose.
- Learn the different data collection method and tools like Google form, Kobo Toolbox.
- Quantitative Techniques related to herbaceous vegetation analysis & Raunkiaer's law
- Determination of Minimal Quadrat size

Intended participant

As UGC has mandated learning the research methods for PhD. Students, so, this is a Useful course for interested Bachelor's and master's students who want to pursuing a further research career.

Course topics

Detail syllabus of this certificate course is given below-

Module	Lesson	Resource person
Module 1:	 Lesson 1: Introduction to Research and the Research Process 	Mukul Maity ¹
Foundations	Lesson 2: Discussion of the different steps in research in	
course	detail.	Sharmistha Manna ²
	Lesson 3: Scale of Measurement in research	
		Dinabandhu Patra ³

Summary Report- Modern trends in research methodology

A Certificate Course was organized by Department of Geography in association with Department of Botany and Department of Zoology on "Modern Trends of Research Methodology in Interdisciplinary Studies". This certificate course completed with huge success. Participating students were very enthusiastic to know the new thing of research before participation, also they were very happy after the finishing the course.

This course has been accomplished with enormous support and help from our Principal sir Dr. Bidyut Samanta. Mrs. Sharmistha Manna was the Coordinator of this Certificate Course.

Honourable Speakers in this course were from different backgrounds that give strength to discuss the multidisciplinary issues of Research methods. Several speakers were College Teacher like- Sharmistha Manna, Sk. Safikul Haque, Rimpa Mula, Mukul Maity and Dinabandhu Patra those who belongs from Geography Department of Kharagpur College; also, Happy Das was a speaker who belong from Botany Department of Kharagpur College. Anup Upadhyaya is a Prime Minister's research fellow of Centre for Ocean, River, Atmosphere and Land Sciences (CORAL) in IIT Kharagpur, delivered his lecture on specified topic. Sanjay Maity, who is a State Aided College Teacher-I of Rabindra Mahavidyalay under Burdwan University took part in this certificate course as a speaker. Gita Naik is a research scholar of Population Studies Department of Fakir Mohan University (Balasore, Odisha) who gave her valuable lecture on specified topic.

The Syllabus of this certificate course covers basic introductory research method to present days application-based methods that can help the learners, at present also in near future. Quantitative data analysis through software, data collection using toolbox, data presentation through GIS technique was little advance part in the syllabus. Students are enjoyed their class and learned. Finally, a Viva-voce was arranged for assessment of their learning; where, positive response from students indicates efforts of the organising committee is worthwhile and course is successful.



ATTESTED Principal Kharagpur College



KHARAGPUR COLLEGE KHARAGPUR

ESTD. : 1949

P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur, P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN– 721305.

NOTICE

Dt: 16.01.2023

This is for information of all concerned that, a 30 hours Certificate Course on **"FIRST AID TRAINING"** to be organized by Kharagpur College in association with St. John Ambulance Brigade, Kharagpur Ambulance Division. The Course will be held from 11.02.2023 to 26.02.2023, at H. B. Sarkar Hall. Hands on training on the topics like **Basic Life Support, CPR, AED, Bandages, Practical, Stretcher Drill etc.** will be provided. The course is very useful and interesting one. Interested students of the college are advised to fill up the Google Form for registration by clicking on the registration link given below. Limited number of students can be accommodated in the course. Students will be selected on first come first serve basis. Course Fee (Rs. 50/-) will be collected after completion of the selection process. Registration link

Dr. Bidyut Samanta

Principal



ATTESTED Principal Kharagpur College

Kharagpur College

Certificate Course on FIRST AID Duration-11.02.2023 to 26.02.2023(30 hrs) Course Module Module-1 Concept of FIRST AID

Module-2 History of FIRST AID

Module-3 Necessity of FIRST AID

CPR

Module-4 Basic Support

Module-5

Module -6 AED

Module-7 Bandages Practical

Module-7 Stretcher Drill

Module-8

Snake Bite

in Nath

Signature of Divisional Commander DIVISIONAL COMMANDER Kharagpur Ambulance Revision KHARAGPUR AMBULANCE DIVISION No-II (WEST BENGAL) DISTRICT



Principal Kharagpur College



KHARAGPUR COLLEGE NAME OF THE COURSE – FIRST AID (2022-2023) EVALUATION

Time – 30 mnt.	Written Marks – 20		Practical - 30		Total Marks – 50
Name:	·	Department:		Semester : _	
-					
Answer any Ten Que	estions: $10X2 = 20$				
1. What does FAST	stands for?				
 i) Face, Arms ii) Face, Arms iii) Fingers, Ar iv) Feet, Arms 	s, Sight, Time s, Speech, Time rms, Speech, Time , Speech, Time				
•					

2. Which of the following sign is most consistent with a stroke?

- i) Confusion
- ii) Chest Pain
- iii) Facial drop
- iv) Nausea
- 3. If the casualty's chest is not inflating during the breathing task you should check the casualty's:
 - i) Pulse
 - ii) Airway
 - iii) Temperature
- 4. What is the best way to control bleeding?
 - i) Direct Pressure
 - ii) Use of Tourniquet
 - iii) Elevation
 - iv) Pressure Point
- 5. What should you do if you get chemical in your eyes?
 - i) Cover both eyes and wait for EMS
 - ii) Flush with water immediately and continue for at least 20 mints.
 - iii) Cover the injured eye and drive yourself to hospital
 - iv) None of the above
- 6. If a person choking, which of the following should you use to give back blows?
 - i) The heel of your hand
 - ii) Your fist
 - iii) A hard object
- 7. What is the normal rate of blood pressure of an adult? (Systolic/diastolic)?
 - i) 125/95 hg/mnt.
 - ii) 110/80 hg/mnt.
 - iii) 120/80 hg/mnt.
 - iv) 120/90 hg/mnt.

- 8. Which one is not associated with unconsciousness?
 - Coma i)
 - ii) Stupor
 - Fainting iii)
 - iv) Swelling
- 9. Which one is not a type of wound?
 - Incised i)
 - Lacerated ii)
 - Green Stick iii)
 - Contused iv)
- 10. Blisters appears on the skin in:
 i) 1st Degree burn
 ii) 2nd Degree burn
 iii) 3rd Degree burn
- 11. Which one of the following is not a 'SYMPTOM'?
 - Pain i)
 - Dizziness ii)
 - Pale Skin iii)
 - iv) Thrust
- 12. Poison may not get into the body through?
 - i) Ingestion
 - ii) Inhalation
 - Visually iii)
 - Injection. iv)

Page-1

KHARAGPUR COLLEGE

Certificate Course on First Aid Training Duration-11.02.2023 to26.02.2023 (30 hrs) Evaluation Method-Written Test and Practical Written-20marks Practical-30 Marks

1

SI	Name of the Student	Semester	Score in	Score in	Total	Obtained	Remarks
No.			written	Practical	score	Grade	
			Exam	Exam			
1	Sanchayita Bera	3rd	18	22	38		
2.	Sohan Chandra	1st	18	23	41		
3.	Arnab Tripathy	3rd	17	2-2	39		
4.	Ankita Barman	1st	18	21	39		
5.	Sourav Mukhi	1st	16	22-	38		
6.	Manika Karam	1st	17	21	38		
7.	Chaitali Maity	3rd	15	20	35		
8.	Suparna Dey	3rd	18	24	42		
9.	Santu Paul	3rd	18	23	41		
10.	Somnath Das	1st	18	22	40		
11.	Ganesh Chakraborty	1st	17	23	40		
12.	Deep Chakraborty	1st	17	23	/10		
13.	Anushree Kathli	1st	16	20	36		
14.	Arunima Mandal	1st	17	2.2	29		
15.	Sonali Barik	1st	18	24	42		
16.	JanmenjoyChakraborty	1st	18	24	42		
17.	Suvam Saren	1st	16	20	36		
18.	Ayus Das	1st	17	22	29		
19.	Milan Kumar Jana	1st	17	23	40		
20.	Dip Kumar Das	1st	16	22	28		
21.	K. Mahesh	1st	16	23	29		
22.	K.Sumanth	1st	18	22	AD		
23.	R.Harshvardhan	1st	18	24	40		
24.	Vivek Sharma	1st	17	23	40		
25.	Soumen Karmakar	1st	18	22	-10		
26.	Sneha Roy	1st	16	21	12		
27.	Najma Khatun	1st	14	20	26		
28.	Mustana Khatun	1st		21	20		
29.	Injanul Saha	1st	18	22	40		
30.	Dipika Shit	1st	17	20	27		
31.	Priyanka Dey	1st	17	2.4	<u></u>		
32.	Arpita Kar	1st	17	2.2	26		
33.	Pinto Bhattacharya	3 rd	18	24	<u></u>		
34	Uttam Hansda	3 rd	11	21	074		
			16	21	51		

Total-50 Marks Date of Evaluation-26.02.2023 Time-12noon to4pm



sm-DIVISIONAL COMMANDER ST. JOHN AMBULANCE BRIGADE KHARAGPUP AMPUL MICE DIVISION

KHARAGPUP AMPULANCE DIVISION No-II (WEET BENGAL) DISTRICT

35	Sarita Khatun	ord				 T
55.		5	16	21		
36.	Sumit Ray	1 st	10	25	110	
37.	Bishakha Domai	3 rd	12	20	01	
38	Tara kumari Thapa	3rd	10	20	30	
39.	Srijana chettri	3rd	1 15	26	42-	
40.	Priya Pal	3rd	14	20	3/1	
41.	Parthana Thapa	3rd	18	24	12	
42.	Sangita Sardar	1st	14	2.0	24	
43.	Diya Kapri	1st	10	22	32	
44.	Sneha Bhanja	1st	15	21	26	
45.	Megha Ghosh	1st	16	22	28	
46.	Manisha Rai	1st	14	20	24	
47.	M. Gyaneswari	1 st	11,	21	2	
			14	4	35	
48.	Khushi Thakur	1 st	71.	22	22-	
				6-6-	5-1	
49	Md. Neshar Ahmad	1 st	15	21	26	
-	Ansari				50	
50.	Somnath Bera	1*	16	24	40	
E1	Debrasias Maita	a st			,	
51.	Debranjan Maity	11	16	23	39	
52	Tapulobar	st				
52.	Tanu Lonar	1	14	22	36	
53	IbiliK Shit	1 st		- /		
55.	Junix June	T	15	26	41	
54.	Privanka Sharma	1 st		<u> </u>	C	
		1	15	21	30	
55.	Sagnik Das	1 st			01	
			14	20	34	
56.	Arjun Sarki	3 rd		<u> </u>		
			16	2	34	
57.	Prakash Jana	1 st	14	2.0	ah	
			14	dan han	50	
58.	Shruti Das	1 st	11-	21	21	
					20	
59.	Surekha Paint	1st	15	2-1	36	
60.	Sneha Achari	1 st	16	20	26	
					30	
61.	Kamalesh Rana	1 st	16	21	37	
63	De duri Carra	a st			J	
62	Baduri Saren	11	15	21	36	
62	Managa Kicke	a st				
03.	ivianasa kisku	1.	16	24	40	
				1		

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GR DIVIETONALCOMMAN ST. JOHN AMBULENCE BRIGADE

ST. JOHN AMBULE NOE BRIGADE KHARAGPUR AMBULANCE DIVISION No-TI (WEST SENGAL) DISTRICT

64.	Sakuntala Giri	1 st	16	22	38		
65.	Himangshu Roy	1 st	18	24	42		
66.	Dipak Shaw	1 st	15	20	35	· · · · · ·	
67.	Shubhankar Mallik	1 st	16	22	38		
68.	Bipasa Dutta	1 st	18	24	42		
69.	Monika Karam	3 rd	16	22	38		
70	Rupa Sing	3 rd	14	20	24		
71.	Sudip Rakshit	3 rd	16	23	39		
72.	Rumpa Mahata	1 st	15	22	37		
73.	Arindam Sahu	1 st	15	2)	02		
74.	Shubhashree Das	1 st	17	23	40		
75.	Hadisha Sultana	1 st	16	24	40		
76.	Megha Ghosh	1 st	16	22	388		



A shim Nath DIVISIONAL COMMANDER

DIVISIONAL COMMANDER ST. JOHN AMBULANCE BRIGADE KHARAGPUR AMBULANCE DIVISION NO-II (WEST BENGAL) DISTANT

Department of English Kharagpur College

Notice

A Certificate Course on 'Modern Academia: Looking Through Interdisciplinary Lens' will be organised by the Department of English, Kharagpur College from 29.05.2023 to 08.06.2023. The course duration will be of 30 hours. All the students of the department are required to participate in the course. Last date for registration of the course is 28.05.2023 midnight.

Registration link for the course: https://forms.gle/SsvdafA5bNS2HqvZ6

Members of the Organising Committee:

- 1. Dr. Somnath Mahato, Assistant Professor and HOD
- 2. Mr. Soumyabrata Sil, Assistant Professor
- 3. Mr. Chinmoy Mondal, Assistant Professor
- 4. Mr. Jayanta Kumar Murmu, Assistant Professor
- 5. Mrs. Shreyashi Roy, Assistant Professor
- 6. Mrs, Somali Nandi, SACT
- 7. Dr. Sudipto Narayan Das Mondal, SACT
- 8. Mr. Sisir Santra, SACT

Date: 26.05.2023



(B)26/05/2023

Principal Kharagpur College Principal Kharagpur College

KHARAGPUR COLLEGE DEPARTMENT OF ENGLISH CERTIFICATE COURSE ON "MODERN ACADEMIA: LOOKING THROUGH INTERDISCIPLINARY LENS" DATE: From 29.05,2023 to 08.06.2023 Duration: 10 Days (30 Hours)

SYLLABUS

Topic 1: Why the reasearch in Humanities is the need of the day?

Topic 2: Idea of Interdiciplinarity

Topic 3: Psychology of Violence: Cinema, Comics and Literature

Topic 4: Literature of the Anthropocene: Nature, Humanity and Arts' Responsibility

Topic 5: Masculinity Studies: Need of a New Social Order in Literature

Topic 6: Comparative Literature and the Expanding Domain of Research

Topic 7: Philosophy and Literature: A Theoretical Bonding

Topic 8: Literature, Culture and Politics: Contemporary Research Ideas

Topic 9: Graphic Novels, Comics and other non-serious forms- hitherto misunderstood, thereby

Misrepresented

Topic 10: Performative arts as Texts

Topic 11: International Cinema Based on Popular Children Literature

Topic 12: Pushing Linguistic Boundaries: Translation as the Need of Modern Academia

Topic 13: The Popular and not so-popular: Research Ideas and Alternative Trends

Topic 14: Partition Literture: Looking Though the Lens of Marginalised

Topic 15: Representation of Marginalised in the Indian Cinema and Literature

Topic 16: Recent trends in Indian Cinema: Looking Through the Feminist Lens

Topic 17: Politically International: Literature in Foreign Ground

Topic 18: Lost in Translation: Hindi to English Literture

Topic 19: Bollywood, Kollywood and Heroism: Films on Larger Than Life Characters

Topic 20: Medical Humanities: Co-realating Science and Literature

Sinujaheata Sil

(SOUMYABRATASIL) Co-ordinator

KHARAGPUR COLLEGE DEPARTMENT OF ENGLISH CERTIFICATE COURSE ON "MODERN ACADEMIA: LOOKING THROUGH INTERDISCIPLINARY LENS" DATE: From 29.05.2023 to 08.06.2023 Duration: 10 Days (30 Hours)

	_	<u>Schedule</u>		an fan te set in wet wet in te star in the second
Sl No.	Topic	Resource Person	Duration	Date and Time
1	Why the reasearch in Humanities is the need of the day?	Mrs. Shreyasi Roy	1 hour 30 minutes	29/05/2023 4pm
2	Idea of Interdiciplinarity	Mr. Chhinmoy Mondal	1 hour 30 minutes	29/05/2023 5:30pm
3	Psychology of Violence: Cinema, Comics and Literature	Mr. Jayanta Kumar Murmu	1 hour 30 minutes	30/05/2023 4pm
4	Literature of the Anthropocene: Nature, Humanity and Arts' Responsibility	Mr. Soumyabrata Sil	1 hour 30 minutes	30/05/2023 5:30pm
5	Masculinity Studies: Need of a New Social Order in Literature	Mrs. Somali Nandi	1 hour 30 minutes	31/05/2023 4pm
6	Comparative Literature and the Expanding Domain of Research	Mr. Sisir Santra	1 hour 30 minutes	31/05/2023 5:30pm
7	Philosophy and Literature: A Theoretical Bonding	Dr. Poulommi Talukdar	1 hour 30 minutes	01/06/2023 4pm
8	Literature, Culture and Politics: Contemporary Research Ideas	Dr. Kaushik Chakraborty	1 hour 30 minutes	01/06/2023 5:30pm
9	Graphic Novels, Comics and other non-serious forms- hitherto misunderstood,thereby Misrepresented	Mr. Soumyabrata Sil	1 hour 30 minutes	02/06/2023 4pm
10	Performative arts as Texts	Mr. Cinmoy Mondal	1 hour 30 minutes	02/06/2023 5:30pm

1	1 International Cinema Based or Popular Children Literature	n Dr. Somnath Mahato	1 hour 30 minutes	03/06/2023 4pm
1:	2 Pushing Linguistic Boundaries Translation as the Need of Modern Academia	: Mrs. Shreyasi Roy	1 hour 30 minutes	03/06/2023 5:30pm
13	The Popular and not so- popular: Research Ideas and Alternative Trends	Dr. Sudipta Narayan Das Mondal	1 hour 30 minutes	05/06/2023 4pm
14	Partition Literture: Looking Though the Lens of Marginalised	Mr. Sisir Santra	1 hour 30 minutes	05/06/2023 5:30pm
15	Representation of Marginalised in the Indian Cinema and Literature	Dr. Somnath Mahato	1 hour 30 minutes	06/06/2023 4pm
16	Recent trends in Indian Cinema: Looking Through the Feminist Lens	Mrs. Somali Nandi	1 hour 30 minutes	06/06/2023 5:30pm
17	Politically International: Literature in Foreign Ground	Sk. Anisur Rahaman	1 hour 30 minutes	07/06/2023 4pm
18	Lost in Translation: Hindi to English Literture	Dr. Sanjay Paswan	1 hour 30 minutes	07/06/2023 5:30pm
19	Bollywood, Kollywood and Heroism: Films on Larger Than Life Characters	Mr. Jayanta Kumar Murmu	1 hour 30 minutes	08/06/2023 4pm
20	Medical Humanities: Co- realating Science and Literature	Mr. Chinmoy Mondal	1 hour 30 minutes	08/06/2023 5:30pm

Ormyaheata & 1 s/d -

(SOUMYABRATASIL) Co-ordinator

Modern Academia: Looking through Interdisciplinary Lens

A certificate course conducted by Department of English, Kharagpur College from 29/05/2023 to 08/06/2023

Summary Report

The Department of English, Kharagpur College conducted a certificate course as per UGC guidelines for its students (both UG and PG section) from 29/05/2023 to 08/06/2023. The course was titled Modern Academia: Looking through Interdisciplinary Lens with the aim of providing an interdisciplinary perspective to students and make them acquainted with modern research trends and ideas. The duration of the course was 30 hours with 3 hrs of classes each day. The courses aimed at pushing the boundaries of literature and establish the idea of interdisciplinary thinking by linking the core domain of English Literature with allied subjects such as Philosophy, Political Science, Performative arts, environmental concerns etc. The course also focused on comparative literature as an emerging domain in research trends thereby pushing the boundaries of literature beyond the coveted and sanctified domain of British Isles. It also aimed to move beyond linguistic hegemony of English and include in the literary fold the plethora of literature produced in vernacular languages with the prime focus being on the Indian subcontinent. Speakers from other linguistic departments of the college initiated the students in this regard. Participation in the course enabled the students to get acquainted with the not-so popular forms or genres of literature such as comics or graphic novels and consider cinemas and other art forms as texts thereby de-limiting the boundaries set by a printed book or any other hardcopies. Linking humanities with medical science, with environmental studies, sociology, strengthened he idea of interdisciplinarity. The course primarily aimed at inculcating a spirit of research among the students many of whom are first generation learners by pushing the boundaries set by a curriculum or a structured syllabus and foster novel ideas which in the long run would enrich the discipline. Successful completion of the course was concluded with an evaluative process consisting of MCQ patterned examination. Successful candidates were provided with a certificate following the evaluative process.

Sinyahrata 8:1 Sd/-

Co-mordinator

⁽SOUMYABRATA SIL)

KHARAGPUR COLLEGE DEPARTMENT OF ENGLISH CERTIFICATE COURSE ON "MODERN ACADEMIA: LOOKING THROUGH INTERDISCIPLINARY LENS" DATE: From 29.05.2023 to 08.06.2023 Duration: 10 Days (30 Hours)

<u>MCQ</u>

Name:	
Sem:	
Roll No.	
Tick the correct answer	
1. What is Humanities?	
a. Study of Literature c. Study of Human Nature	b. Scientific Study of Human Body d. A & B
2. What is Interdisciplinarity?	
a. Disciplinary Methods c. Mutual Relation between Various Subjects	b. Study of Discipline d. None of the above
3. What is Anthropocene? a. A Branch of Anthropology c. Effect of Human Activitiy on Environment ar	b. Study of Nature d. All of the Above
4. Which of these is a Performative Art? a. Bharatnatyam c. Dramatic Performance	b. Recitation d. All of the Above
5. Who among these is a Modern Philosopher? a. Slavok Zizek c. Aristotle	b. Plato d. J.K. Rowling
6. Which among these is a Graphic Novel? a. Romeo and Juliet c. Return of the Native	b. Watchmen d. Great Expectations
7. Which of these is a film based on Literary Tex a. Article 15 c. Mother India	ct? b. The Godfather d. Kadaisi Vivasayi

8. Which of these is an example of Partition Literature?

a. Pinjar

c. Three Mistakes of My Life

b. Godaan d. War and Peace

9. In which Childrens' Literature, one can find	the character Mad Hatter?
a. Abol Tabol	b. Alice's Adventure in the Wonderland
c. Funny Boy	d. Harry Potter: Deathly Hallows

10. Who translated Mahasweta Devi's Breast Stories in English?a. Sukanta Choudhurib. Chitra Banerjee Devakarinic. Gayatri Chakravarty Spivackd. Eunice D'Souza



Certificate course on "CHEMISTRY: A SUBJECT WITH MULTIFARIOUS OPPORTUNITIES" organized by the department of Chemistry, Kharagpur College from 16th December 2022 to 7th January, 2023

SL	NAME OF THE PARTICIPANTS	SEMESTER	1	
1	SURAJIT ADDHYA	5th	1	
2	SASWATA MONDAL	5th	1	
3	PALLABI BERA	5th	1	
4	KRISHNENDU MAITY	5th	1	
5	JOYDIP PAL	5th	1	
6	SOUMYAJIT HAIT	5th	1	
7	PRALAY KUMAR JANA	5th	1	
8	ARPITA BERA	3rd	1	
9	SATYAJIT NAYEK	3rd	1	
10	PRASENJIT MAHATA	3rd	1	
11	SURAJIT BISAL	3rd	1	
12	SOMNATH SANTRA	3rd	1	
13	DEBANJAN PARI	3rd	1	
14	RITWIKA SAHOO	3rd	1	
15	SHREYA ROY	3rd	1	
16	SILPA SAHOO	3rd	1	
17	SHANKHA SUBHRA BHUNIA	3rd	1	
18	SURAJIT MAITY	3rd	1	
19	DEBAPRIYA MAITY	3rd	1	
20	STHITI DAS	3rd	1	(B)
21	DIPA PRADHAN	3rd		
	1	Kharster Hole	STD-1949	Principal haragpur College

Participants list

Scanned with CamScanner

22	ARPAN DUTTA	3rd	
23	SK SAHIL ALI	3rd	
24	AMIYA KUMAR GHORAI	Jed	
25	DEBRAJ GHOSAL	3rd	
26	RUDRA PRASAD SATPATI	3ra	
27	SURBATA MAITI	Srd	
28	SUCILITA CHOSU	3rd	
29	SUCHITA GHOSH	3rd	
20	GAURAV DEBNATH	1st	
30	ANUSPA DAS	1st	
31	SHOVANWITA JANA	1st	
32	BISWAJIT MANDAL	1st	
33	AMIT KAREK	1st	
34	PURABI DE	1st	
35	SNEHASHIS SENAPATI	1st	
36	SUCHETA PAUL	1st	

2

03 17-23

Dr. Subhra Mishra Associate Professor, Department of Chemistry Kharagpur College Jt. Coordinator

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Dahaborty 17/03/23 Dr. Indranil Chakraborty

Associate Professor, Department of Chemistry Kharagpur College Jt. Coordinator

(b) Principal Kharagpur College



Certificate Course, Department of Chemistry, Kharagpur College

TITLE - CHEMISTRY: A SUBJECT WITH MULTIFARIOUS OPPORTUNITIES

Date of Commencement: 16th December, 2022

Date of Completion: 7th January, 2023

SI No	Topic		Resource person	Theory/Practic	Duration	Date
01	Safety measures in the laboratory		Dr. Forid Saikh, Asst. Prof. Chemistry	al	(Hours)	&Time
				Theory	01	22.12.22
02		MS Words	Sei Alak Halder Ares D. C.C. C. I			1.30pm
		MIS WORDS	Sri Alok Halder, Asst. Prof. Comp Science	Theory	01	17.12.22
	Fundamentals of					12.00
	computers					noon
		MS Excel	Sai Vanaile Dhattachana CAOTA (Practical	02	17.12.22
		MIS EXCE	Sh Kousik Bhattacharya, SACT Math	Theory	01	05.01.23
		Propostation in Dourse		Practical	02	1.00 pm
		Presetation in Power	Dr.Indranii Chakraborty, Associate Prof. Chemistry	Theory	01	19.12.22
02	Organoastalusia	point, Google form		Practical	02	1.00 pm
05	Sustainable Chemistry		Dr.Bidyut Kumar Senapati, Associate Professor, Midnapore College(Autonomous)	Theory	02	23.12.22
						12.00
0.1	Computational Cha					noon
04	Computational Che	emistry	Molecular modeling, Dr.Subhra Mishra, Associate	Theory	02	16.12.22
			Prof. Chemistry			3.00pm
			Drawing of small molecules, Dr. Forid Saikh, Asst.	Theory	02	22.12.22
0.5	<u> </u>		Prof. Chemistry			1.00pm
05	Chemical waste & management		Smt.Kuheli Pramanik, Asstt Prof. Chemistry	Theory	02	05.01.23
06	Chemistry in a click	K	Dr. Jayanta Samanta, Post Doc Fellow, Dartmouth	Theory (Online	02	27.12.22
			College,USA	mode through	1	
				Google Meet)		
07	Learn chemistry think differently _Lecture		Dr.Gagan Chandra Mandal, Associate Prof.	Theory	02	16.12.22
	1		Chemistry			2.00pm
08	Learn chemistry think differently _Lecture		Dr.Gagan Chandra Mandal, Associate Prof.	Theory	01	07.01.23
	2		Chemistry			12.00
	2					noon
09	Learning e resources	S '	Sri Amit Roy, Librarian	Theory	02	20.12.22



Duration: 48 hrs

			mode through Google Meet)		3.00 pm
11	Determination of pka of week acid conductometrically	Prof. Prasanna Kumar Duley, Asstt Prof. Chemistry	Theory	01	03.01.23
			Practical	02	12 noon
12	Synthesis & application of polysaccharide	Dr.Ipsita Kumar Sen, Asstt Prof. Govt. General	Theory	02	23.12.22
	functionalized metal nanoparticles	Degree College, Salboni.			1.30pm
13	Preparation of cosmetics Shampoo, Nail Polish remover, Vanishing cream etc.	Dr.Subhra Mishra, Associate Prof. Chemistry	Practical	02	03.01.21. 1.00pm
	ronsh temover, vanishing cream etc	Dr. Indranil Chakraborty, Associate Prof. Chemistry	Practical	02	04.01.23
		Dr. Forid Saikh, Asst. Prof. Chemistry	Practical	02	05.01.23
14	Chemistry in Everyday Life	Dr. Sumit Ray, Asst. Prof. Chemistry	Theory	02	04.01.22
14	Chemistry in Everyday Life	Dr. Summercuy, resserver enemoty			12 noon
15	Instrumental biochemistry	Sri Subhajit Banerjee, SACT, Zoology	Theory	02	21.12.22
	instrumental electromy				1.00pm
16	Bio fertilizers: A promising approach	Sri Kalvan Sur, SACT, Chemistry	Theory	02	03.01.23
	towards sustainable agriculture				1.00pm
17	Application of polysaccharides	Dr.Soumita Mondal, Associate Professor, Chemistry,	Theory	02	21.12.22
1		Panskura Banamali College			1.30 pm
18	Career Opportunities in Chemistry	Dr.Sudipa Panigrahi, Director R&I Development,	Theory(Online	02	20.12.22
		L'Oreal R&I USA	mode through		7.00pm
			Google Meet)		

17 23

Dr. Subhra Mishra Associate Professor, Department of Chemistry Kharagpur College Jt. Coordinator



Kharaghur College

Dekselsty Hostz Dr. Indranil Chakraborty

Associate Professor, Department of Chemistry Kharagpur College Jt. Coordinator

Notice Kharagpur College

08.12.2022

Notice for payment of registration fees for the certificate course on "Chemistry: A subject with multifarious opportunities"

This is for information of all registered students of the Vidyasagar University approved certificate course (15 days) on "CHEMISTRY: A SUBJECT WITH MULTIFARIOUS OPPORTUNITIES" to submit the registration fees of Rs. 400.00 (Course fees Rs. 200/-, and application fees Rs.200/-) to the college office by 12.12.2022. The tentative date of commencement of the certificate course is 16th Dec 2022. The detailed course schedule will be intimated in due course of time.



Associate Professor& Head Department of Chemistry Jt. Course Coordinator

Subhra Michra

Dr. Subhra Mishra Associate Professor Department of Chemistry Jt. Course Coordinator

102 09/12/22

Dr. Bidyut Samanta Principal, Kharagpur College





SUMMARY REPORT OF THE CERTIFICATE COURSE

Topic of the Certificate Course: CHEMISTRY: A SUBJECT WITH MULTIFARIOUS OPPORTUNITIES

Organized by: Department of Chemistry, Kharagpur College.

Approved by: Centre for Continuing & Adult Education (CCAE), Vidyasagar University. Duration: 16th December, 2022 to 7th January, 2023 (duration: 48 hrs).

Participants: Thirty six (36) students of B.Sc (Chemistry Honours), Kharagpur College.

Mode of delivery of course content: Hybrid mode.

Nature of delivery: Both theoretical and practical.

Resource Persons: Eighteen (18) Resource persons were involved in the course, out of which thirteen (11) faculty members were from Kharagpur College, four (04) from other colleges affiliated to Vidyasagar University, two from industry (ITC group, Bangalore & L'Oreal R&I USA), one from Dartmouth College, USA.

Co-ordinators: Dr. Indranil Chakraborty, Associate Professor, Department of Chemistry & Dr. Subhra Mishra, Associate Professor, Department of Chemistry.

Areas covered: Safety measures in the laboratory, Fundamentals of computers ,Methodologies for Sustainable Chemistry , Computational Chemistry, Chemical waste & management, Chemistry in a click, Learn chemistry think differently, Learning e resources, Conductometry, Metal nanoparticles, Application of polysaccharide, Preparation of cosmetics Shampoo, Nail Polish remover, Vanishing cream etc ,Chemistry in Everyday Life, Instrumental biochemistry, Bio fertilizers, Career Opportunities in Chemistry.

Course outcome: The course has been especially meant to make the students aware of the huge openings of the subject and also the challenges to be faced therein. During the tenure of the course discussions on different topics like fundamentals of computers, computational Chemistry, waste management, sustainability, nanochemistry, instrumental biochemistry etc helped the participating students to be acquainted with the mainstream chemistry of present days. They learned how to think differently after studying Chemistry. They have also been given hands on training on some interesting cosmetics pereparation. During the interactive sessions with scientists from Industries the students came to know about job opportunities in various industries, and they have also been informed how to make themselves prepared for industries.

(Dr. Subhra Mishra) Associate Professor, Department of Chemistry Kharagpur College Jt. Coordinator

Patrabosh 10.09.93

(Dr. Indranil Chakraborty) Associate Professor, Department of Chemistry Kharagpur College Jt. Coordinator

Question paper for final evaluation of Certificate Cours on Chemistry: A Subject With Multifarious Opportunities Department of Chemistry, Kharagpur College

F.M.: 30 Time: 1 hour Date: 07.01.2023 Answer any 15 questions (each question carries 02 marks)

- 1. Name two stabilizers that can be used to prepare Ag nanoparticles.
- 2. What is the dimension of the metal nanopaticles?
- 3. What are the ingredients for preparation of shampoo?
- 4. What is the origin of "Click Chemistry"
- 5. What is bio-fertilizer? Give two examples
- 6. Name the main chemical ingredient present in toothpaste?
- 7. Write down the name of a proteomic tool used to generate secondary structure of a novel protein.
- 8. What are the ingredients for preparation of nail enamel?
- 9. Give two examples of green solvent.
- 10. Write down the structure of PVC.
- 11. Write down the structure of β glucan.
- 12. Give one example where AI is used in medical diagnosis?
- 13. Draw the curve for conductometric titrations of weak acid and weak base.
- 14. What will you do if concentrated Sulphuric acid spill on your hand?
- 15. What precaution you will take while handling with Bromine?
- 16. Why organocatalysts have advantage over conventional catalysts?
- 17. How will you manage chemical waste in your laboratory?
- 18. How will you use waste of your college hostel to produce fertilizer?
- 19. What are the two important applications of PPT?
- 20. What is earth overshoot day?
খড়াপুর কলেজ বাংলা বিভাগ বিজ্ঞপ্তি

0 0 0 0 0 0 0 2020

নিম্নের প্রস্তাবিত ৩০ ঘন্টার সার্টিফিকেট কোর্সটিতে বাংলা বিভাগের ছাত্রছাত্রীদের অংশগ্রহণ করতে বলা হচ্ছে। বিষয়: উনিশ শতকের বাংলা সাহিত্য (19th Century Bengali Literature) কোর্সের সময়কাল: ২০-০৩-২০২৩ থেকে ২৯ – ০৩ - ২০২৩ প্রতিদিন সময় : সকাল ১০টা - ১২টা ও দুপুর ১টা – ৩টা।

STD-194

ATTESTED Principal Kharagpur College

(ড. তাপস কুমার ভট্টাচার্য)

ও. ভাগপ ঝুনার ভট্টাচাব) বিভাগীয় প্রধান বাংলা বিভাগ খড়াপুর কলেজ। প্রধান আজক ও সাতকো জে কালা বিভাগ

জ্যেপর কলেজ

30 Hours Certificate Course

Organized by Department of Bengali, Kharagpur College

Topic Name - 19th Century Bengali Literature

Student's Name :

Class : B.A / M.A Roll No : পূর্ণমান – ১০ X ১ = ১০ সময় – ৩০ মিনিট

প্রতিটি প্রশ্নের সঠিক উত্তরটি নির্বাচন করো।

১. কথোপকথন গ্রন্থটি কার লেখা ?

ক) কেরী খ) রামরাম বসু গ) বুদ্ধদেব বসু ঘ) সুকুমার রায়

২.বাংলার প্রথম ইতিহাসমূলক গ্রন্থের নাম কি ?

ক) কথামালা খ) রাজাবলী গ) রাজা প্রতাপাদিত্য চরিত্র ঘ) লিপিমালা

৩.নববাবুবিলাস কি জাতীয় রচনা ?

ক) উপন্যাস খ) প্রবন্ধ গ) কাব্য ঘ) নক্সাজাতীয় রচনা

৪.ভোরের পাখি কোন কবিকে বলা হয় ?

ক) ঈশ্বর গুপ্ত খ) বিহারীলাল চক্রবর্তী গ) নবীনচন্দ্র সেন ঘ) হেমচন্দ্র

৫.'মতিবিবি' কোন উপন্যাসের চরিত্র ?

ক) দুর্গেশনন্দিনী খ) কপালকুণ্ডলা গ) মৃণালিনী ঘ) যুগলান্ধুরীয়

৬. মেঘনাদবধ কাব্যের প্রকাশকাল কত ?

ক) ১৮৬০ খ) ১৮৬১ গ) ১৮৬৩ ঘ) ১৮৬৪

৭. হেমচন্দ্রের 'ছায়াময়ী' কাব্যে কোন পাশ্চাত্য কবির প্রভাব আছে ?
ক) শেলী খ) মিলটন গ) দান্তে ঘ) ওয়ার্ডসওয়ার্থ
৮. ঘাটের কথা গল্পটি কোন পত্রিকায় প্রকাশিত হয়েছিল ?
ক) তত্ত্ববোধিনী খ) সংবাদপ্রভাকর গ) বঙ্গদর্শন ঘ) ভারতী
৯. একজন রবীন্দ্রানুসারী কবি হলেন
ক) কামিনী রায় খ) সুধীন্দ্রনাথ দত্ত গ) হেমচন্দ্র ঘ) শক্তি চট্টোপাধ্যায়
১০. 'বিবিধ প্রবন্ধ' গ্রন্থটির রচয়িতা হলেন

ক) ভূদেব মুখোপাধ্যায় খ) অক্ষয়কুমার দত্ত গ) বঙ্কিমচন্দ্র ঘ) রবীন্দ্রনাথ

E-mail: kharagpurcollege@gmail.com

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KHARAGPUR COLLEGE KHARAGPUR

ESTD. : 1949

P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur, P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN–721305.

Notice

Date: 18.11.2022

Kharagpur College Kharagpur Notice for Certificate Course on Basic computer and Microsoft Office

This is to inform all the students of the college that a certificate course on **Basic computer and Microsoft Office** will be organized jointly by Department of Computer Science & BCA and Department of Mathematics of the college tentatively on and from 28thNovember 2022. The course duration is 15 days (30 hours). Last date of registration for the course is 25th November, 2022. Registration fee is Rs. 400/- (Four hundred) only. Certificate of the course will be issued by Vidyasagar University.

Google form link for registration: https://forms.gle/bpGjERnLqG6sXe9q7

Interested students are advised to contact for registration fees and any other queries with the following teachers.

Prof. Alok Haldar (Department of Computer Science & BCA)
 Mr. Kousik Bhattacharya (Department of Mathematics)



52 18/11/22

Principal Kharagpur College

Principal Kharagpur College

Kharagpur College Kharagpur

Date : 18-11-2022

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Prof. Alok Haldar (Department of Computer Science & BCA)
 Mr. Kousik Bhattacharya (Department of Mathematics)



18/11/22 Principal

Principal

Kharagpur College

Kharagpur

Date: 25.11.2022

Notice for Registration fee payment of the certificate course on "Basic Computer and Microsoft Office"

This is to inform all the registered students of the certificate course on Basic Computer and Microsoft Office that the registration fees Rs. 400/- of the course have to pay via online payment through college website on or before 29.11.2022. Students are advised to keep the receipt/screenshot of the payment for further convenience.

Visit: www.kharagpurcollege.in

For any query students are advised to contact with the following teachers.

- 1. Prof. Alok Haldar (Coordinator, Department of Computer Science)
- 2. Mr. Kousik Bhattacharya (Co-Coordinator, Department of Mathematics)

B2 25/11/2022

Principal

Principal Kharagpur College

Certificate course on MS OFFICE

Organized by

Kharagpur College (Dept. Computer Science & BCA ,Dept. of Mathematics) Collaboration with Vidyasagar University

Course Overview

This course covers Basic to Advanced topics of MS Word, MS Excel, MS Power Point.

Entry Requirement	: (10 + 2) or equivalent qualified
Course Duration	: 30hrs.
Mode of Training	: Face to face Instructor led Training

Course Content

MS WINDOWS, COMPUTER BASICS

- Computer Basic, Creating Folder, Paint
- Windows short cut keys

MS WORD

Module 1: Text Basics

- Typing the text, Alignment of text
- Editing Text: Cut, Copy, Paste, Select All, Clear
- Find & Replace

Module 2: Text Formatting and saving file

- New, Open, Close, Save, Save As
- Formatting Text: Font Size, Font Style
- Font Color, Use the Bold, Italic, and Underline
- Change the Text Case
- Line spacing, Paragraph spacing
- Shading text and paragraph
- Working with Tabs and Indents

Module 3: Working with Objects

- Shapes, Clipart and Picture, Word Art, Smart Art
- Columns and Orderings To Add Columns to aDocument
- Change the Order of Objects
- Page Number, Date & Time
- Inserting Text boxes
- Inserting Word art
- Inserting symbols
- Inserting Chart

Module 4: Header & Footers

- Inserting custom Header and Footer
- Inserting objects in the header and footer
- Add section break to a document

Module 5: Working with bullets and numbered lists

- Multilevel numbering and Bulleting
- Creating List
- Customizing List style
- Page bordering
- Page background

Module 6: Tables

- Working with Tables, Table Formatting
- Table Styles
- Alignment option
- Merge and split option

Module 7: Styles and Content

- Using Build- in Styles, Modifying Styles
- Creating Styles, Creating a list style
- Table of contents and references
- Adding internal references
- Adding a Footnote
- Adding Endnote

Module 8: Proofing the document

- Check Spelling As You Type.
- Mark Grammar Errors As You Type.
- Setting AutoCorrect Options

Module 9: Printing

- Page Setup, Setting margins
- Print Preview, Print

MS EXCEL

Module 10: Introduction to Excel

- Introduction to Excel interface
- Understanding rows and columns, Naming Cells
- Working with excel workbook and sheets

Module 11:Formatting excel work book:

- New, Open, Close, Save, Save As
- Formatting Text: Font Size, Font Style
- Font Color, Use the Bold, Italic, and Underline
- Wrap text, Merge and Centre
- Currency, Accounting and other formats
- Modifying Columns, Rows & Cells

Module 12: Perform Calculations withFunctions

- Creating Simple Formulas
- Setting up your own formula
- Date and Time Functions, Financial Functions
- Logical Functions, Lookup and Reference
- Functions Mathematical Functions
- Statistical Functions, Text Functions.

Module 13: Sort and Filter Data with Excel

- Sort and filtering data
- Using number filter, Text filter
- Custom filtering
- Removing filters from columns
- Conditional formatting

Module 14: Create Effective Charts to PresentData Visually

- Inserting Column, Pie chart etc.
- Create an effective chart with Chart Tool
- Design, Format, and Layout options
- Adding chart title
- Changing layouts
- Chart styles
- Editing chart data range
- Editing data series
- Changing chart

Module 15: Proofing and Printing

- Page setup, Setting print area, Print titles
- Inserting custom Header and Footer
- Inserting objects in the header and footer
- Page Setup, Setting margins, Print Preview, Print
- Enable back ground error checking
- Setting AutoCorrect Options

MS POWERPOINT

Module 16: Setting Up PowerPoint Environment:

- New, Open, Close, Save, Save As
- Typing the text, Alignment of text
- Formatting Text: Font Size, Font Style
- Font Color, Use the Bold, Italic, and Underline
- Cut, Copy, Paste, Select All, Clear text
- Find & Replace
- Working with Tabs and Indents

Module 17:Creating slides and applying themes

- Inserting new slide
- Changing layout of slides
- Duplicating slides
- Copying and pasting slide
- Applying themes to the slide layout
- Changing theme color
- Slide background
- Formatting slide background
- Using slide views

Module 18: Working with bullets and numbering

- Multilevel numbering and Bulleting
- Creating List
- Page bordering
- Page background
- Aligning text
- Text directions
- Columns option

Module 19: Working with Objects

- Shapes, Clipart and Picture, Word Art, Smart Art
- Change the Order of Objects
- Inserting slide header and footer
- Inserting Text boxes
- Inserting shapes, using quick styles
- Inserting Word art
- Inserting symbols
- Inserting Chart

Module 20: Hyperlinks and Action Buttons

- Edit Hyperlinks and Action Button
- Inserting Hyperlinks and Action Buttons
- Word Art and Shapes

Module 21: Working With Movies and Sounds

- Inserting Movie From a Computer File
- Inserting Audio file
- Audio Video playback and format options
- Video options, Adjust options
- Reshaping and bordering Video

Module 22: Using SmartArt and Tables

- Working with Tables, Table Formatting
- Table Styles
- Alignment option
- Merge and split option
- Converting text to smart art

Module 23:Animation and Slide Transition

- Default Animation, Custom Animation
- Modify a Default or Custom Animation
- Reorder Animation Using Transitions
- Apply a Slide Transition, Modifying a
- Transition, Advancing to the Next Slide

Module 24: Using slide Master

- Using slide master
- Inserting layout option
- Creating custom layout
- Inserting place holders
- Formatting place holders

Module 25: Slide show option

- Start slide show
- Start show from the current slide
- Rehearse timing
- Creating custom slide show

KHARAGPUR COLLEGE 2023 **Basic Computer and Microsoft Office Examination**

(Practical)

Full Marks: 30

Time: 2 Hours

1X30

Answer any one question on lottery basis

1. a) Using the Mail merge facility send a notice of Annual General Meeting of a Public Limited Company of any five persons stating their names, address and phone no.

b) Create a 4x3 table and insert the following data in MS-Word:

Roll No.	Semester-I	Semester-II
VU/BCA/2 nd /01	235	490
VU/BCA/2 nd /02	250	510
VU/BCA/2 nd /03	220	470
i) Insert a new row at	the top of the existing row	+10

Insert a new row at the top of the existing row.

Type "Students Progress Report" in the first cell of the newly created row. ii)

Being the title "Students Progress Report" at centre of the first row and merge all the cells of the first row. iii) 10 + 10

a) Prepare your Bio-data in MS-Word mentioning your name, guardian's name, address, date of birth, nationality, academic records (in table form), extra curriculum activity etc.

b) Create any three slide in MS-Power point about your BCA 1st semester subjects and execute the slides automatically. 15+15

a) Create a Break - Even Chart (Line Chart) from the following information using Ms-Excel: 3.

Variable Cost per unit	: Rs.10
Selling Price per unit	: Rs.20
Fixed Cost	: Rs.75000

Level of activity (units): 0, 6000, 7000, 8000, 10000.

b) You want to avail a car loan amounting Rs. 1000000 from SBI in the month of January 2022. The rate of interest is 9% p.a. and repayment period is 15 years on monthly instalment basis payable at the end of each month. The first payment is to be made at the end of February 2022. Find the monthly instalment and analyze Principal and interest portion separately for the first five months. 15 + 15

4. In M.Com Part-II examination of Vidyasagar University for the session 2014-2015, students secured the following Marks:

			Progres	ss Report		
Name	M.Com Part-			M.Com Part-II		
		Paper-V	Paper-VI	Paper-VII	Paper-VIII	Total
D.Roy	246	52	68	58	62	486
R.Laha	198	63	71	62	68	462
M.Bera	212	54	73	66	59	464
S.Bag	256	63	72	68	56	515
P.Mitra	253	59	69	65	66	512
H.Dey	201	49	52	56	61	419
K.Saha	175	51	53	49	52	380

Other relevant information:

- i) Students securing above 500 marks in Part-II total and more than 70 marks in paper VI should be graded as "E" for excellent performance.
- ii) Students securing above 480 marks in part –II total and more than 60 in paper VIII should be graded as "B" for brilliant performance.
- iii) Students securing 400 and above in part-II total and more than 200 marks in Part-I total should be graded as "M" for mediocre performance.
- iv) Other should be graded as "O" for Ordinary Performances.

Prepare a Gradation sheet in Ms-Excel using different logical operator. 30

5. There are four employees in an organization whose Name, Designation and Date Of Joining (D-O-J) are as follows.

Employee Name	Designation	D-O-J	Basic Pay
R.Das	Manager	15/5/2000	22,000
S.Laha	Accountant	17/10/2005	17.000
K.Manna	Worker	10/07/2002	13.000
P.Roy	Peon	11/12/2004	8,500

Others information:

- DA: 40% of Basic for all type of Employees.
- HRA: 20% of Basic+D.A for Manager.
 15% of Basic+D.A for Accountant.
 10% of Basic+D.A for Workers & Peon.
- M.A. 15% of Basic for D-O-J early 1/1/01.
 5% of Basic for D-O-J after 1/1/05.
 10% of Basic for others.

P.Tax Rs. 150per month for all types of employees.

Prepare a salary sheet using Various logical operator for the current month and show the net pay of all employees in a Pie diagram. 30

6. a) Create a 7x4 Table with the following data in MS Word.

Roll No.	Part-I	Part-II	Total
101	228	412	640
103	258	511	769
109	211	451	662
115	388	525	913
118	200	403	603
122	298	400	698
128	333	433	766

Type heading of the above table as "Students Progress Report"

b) Create any Five slides in Ms Power Point to display the Cultural Programme of Your College.

(15+15)

Certificate course on Basic Computer and Microsoft Office Award list Date of Examination:- 31/ 05/ 2023 Total marks: 30

SI No.	Name of Student	Name of Department	Semester	Marks
1	PUJA DAS	BCA		29
2	SOUVIK ADHIKARI	BCA		28
3	BASABPRIYO GHOSH	BCA		29
4	KARTICK JANA	BCA	VI	29
5	RAHUL HEMBRAM	BCA	1	27
6	BASUDHA BHATTACHARYA	BCA	1	27
7	SUPRIYO KUNDU	BCA		29
8	JOY DUTTA	BCA	111	27
9	KOUSHIK SINGHA MAHA PATRA	BCA		26
10	ANUVAB SAHU	BCA		29
11	RAJA DAS	BCA	111	28
12	SK RAKIUR RAHAMAN	BCA		27
13	SOMNATH BANERJEE	BCA		27
14	SOMENATH PRAMANIK	BCA	1	26
15	AYON MONDAL	BCA		29
16	TRISHITA PATEL	BCA		28
17	BARSHA PATRA	BCA	1	28
18	SAMIR MAHATA	BSC GENERAL BIO	-	24
19	SOMNATH MALLIK	BSC GENERAL PURE	1	23
20	JIYA AHMED	BA GENERAL		2.5
21	BISWAJIT MANDAL	CHEMISTRY	1	24
22	ARPITA BERA	CHEMISTRY	111	Ĩź
23	SHUBHA GIRI	CHEMISTRY	111	27
24	GAURAV DEBNATH	CHEMISTRY	1	27
25	JOYDIP PAL	CHEMISTRY	V	2.8
26	SASWATA MONDAL	CHEMISTRY	V	25
27	SURAJIT MAITY	CHEMISTRY		24
28	PRADIP PAUL	CHEMISTRY	V	26
29	JEET DUTTA	COMMERCE	111	28
30	SARBANI GANGULY	ENGLISH	111	23
31	FARHIN KHANAM	ENGLISH		27
32	SHRUTI SINGH	ENGLISH	1	24
33	SIMRAN MONGRE	ENGLISH	1	26
34	SRICHA SHARMA	ENGLISH	I	25
35	G. TANUJA	ENGLISH	I	26
36	ANKITA BERA	ENGLISH	111	24
37	ARYA PAHARI	ENGLISH		23
38	DEEPSIKHA JANA	ENGLISH	I	25
39	SOMA ACHARJYA	GEOGRAPHY	111	26
40	SUMITA DANDAPAT	GEOGRAPHY		24
41	RUPA MONDAL	GEOGRAPHY		26
42	ANANTA MURMU	GEOGRAPHY	1	25
43	PRIYANKA RANA	GEOGRAPHY	111	26
44		GEOGRAPHY	111	27
45	SUCHETANA DEY	GEOGRAPHY	111	25
46	POUSHI BISWAS	GEOGRAPHY	111	24
47	SANTU KAR	GEOGRAPHY	1	24
48	KAJAT GHUSH	GEOGRAPHY	I	23
49		GEOGRAPHY	V	27
50		HISTORY	111	25
51		HISTORY	111	ABSENT
52		HISTORY	111	24
00	SUSANTA BERA	MATHEMATICS	1	26

SI No.	Name of Student	Name of Department	Semester	Marks
54	SUMANDEEP PATRA	MATHEMATICS		26
55	TUHIN DAS	MATHEMATICS	1	27
56	SAYANI MAHAPATRA	MATHEMATICS	1	27
57	BISWAJIT BHUNIA	MATHEMATICS	111	27
58	BIPLAB PRATIHAR	MATHEMATICS	1	25
59	KRISHNENDU DINDA	MATHEMATICS	1	26
60	MANOJ RANA	MATHEMATICS	111	27
61	SUBHADIP DEY	MATHEMATICS	1	26
62	DIPTI PATRA	MATHEMATICS	1	26
63	RISHIRAJ MANDI	MATHEMATICS		25
64	SOUMYAJIT PATRA	MATHEMATICS	1	26
65	AKASH PAL	MATHEMATICS	1	24
66	MONALISHA PRADHAN	MATHEMATICS	1	28
67	RAJIB DAS	MATHEMATICS		29
68	SUDIPTA HEMBRAM	MATHEMATICS		27
69	SUBHAM BHUNIA	MATHEMATICS	1	28
70	JITENDRA KAR	MATHEMATICS	1	28
71	PRATASNA GHOSH	MATHEMATICS		26
72	AVIJIT BERA	MATHEMATICS		26
73	MAHADEB SAREN	MATHEMATICS		26
74	GOURAV SAMANTA	MATHEMATICS		27
75	GHANASHYAM GHOSH	MATHEMATICS		25
76	SUBRATA SAHOO	MATHEMATICS		2.6
77	SUBHAJIT MAHATA	MATHEMATICS		27
78	ARIJIT SANTRA	PHYSICS	I	26
79	TAPAS MAIKAP	PHYSICS]	28
80	SAYAN CHAKRABORTY	PHYSICS	111	25
81	ANIRBAN JANA	PHYSICS		26
82	SOUMYADIP MAITY	PHYSICS		27
83	ARIJIT DAS	PHYSICS		26
84	SANJIB MANDAL	PHYSICS		27
85	UTTAM HANSDA	POLITICAL SCIENCE		24
86	SAYAN CHOUDHURI	ZOOLOGY	111	25
87	DEBTANU SAHA	ZOOLOGY		26
88	SUBHANGI PATRA	ZOOLOGY	V	26

Alok Haldar, Assistant Professor & Head, Course Coordinator, Department of Computer Science & BCA

SUMMARY REPORT ON

CERTIFICATE COURSE ENTITLED

"Basic Computer and Microsoft Office"

Organised by Department of Computer Science & BCA

and

Department of Mathematics, Kharagpur College DATE: From 27.04.2023 to31.05.2023

DURATION: 15 Days (45 Hours)

Coordinator: Prof. Alok Haldar, Assistant Professor and Head, Department of Computer Science & BCA, Kharagpur College

Computer Proficiency is an essential part of modern education. The certificate course is designed to provide UG students with a solid foundation in basic computer knowledge, concepts and techniques of Microsoft office which can lead to improve job prospects and career advancement opportunities. The course also provides a strong foundation for further study in computer and related fields.

The course aims to prepare the undergraduate and post graduate students of different streams like arts, commerce, science etc. with basic abilities as well as hands-on experience in word processing, making excel spreadsheets, constructing databases, and preparing presentations using Microsoft Office Word, Excel, and PowerPoint programmes. Course Objectives can be listed as below:

- > To provide basic information about the computer system.
- > To provide knowledge about computer hardware and software.
- > To familiarise pupils with Microsoft Windows, the Internet, and email.
- > To familiarise pupils with MS Office (MS Word, MS Excel, and MS PowerPoint).

Taught by:

- 1. Prof. Alok Haldar, Assistant Professor and Head, Department of Computer Science & BCA, Kharagpur College
- 2. Dr. Anjana Mondal, Assistant Professor, Department of Mathematics, Kharagpur College
- 3. Dr. Samiran Acharyya, State Aided College Teacher, Department of Computer Science & BCA, Kharagpur College
- 4. Dr. Kousik Bhattacharya, State Aided College Teacher, Department of Mathematics, Kharagpur College
- 5. Mr. AnudyutiGhorai, State Aided College Teacher, Department of Computer Science & BCA, Kharagpur College
- 6. Mr. Biswajit Laya, State Aided College Teacher, Department of Computer Science & BCA, Kharagpur College
- 7. Mr. Debraj Das, PMRF, Indian Institute of Technology, Kharagpur

10 Days certificate course on FUNDAMENTAL ANALYSIS OF FINANCIAL **SECURITIES MARKET IN INDIA Organised By Department of Commerce, Kharagpur College** Date: 22.05.2023 to 31.05.2023 Venue: H. B. Sarkar Hall

Kharagpur College Evening Shift Department of Commerce

NOTICE

All the students are hereby informed that Department of Commerce, Kharagpur College is going to organise a certificate course on the topic **"FUNDAMENTAL ANALYSIS OF FINANCIAL SECURITIES MARKET OF INDIA"** on and from 22/05/2023(Monday). In this regard, registration for all the students is compulsory as it is related to your internal marks.

You have to pay the registration fees Rs. 200 through the website link, kharagpurcollege.in >admission rule > Click here for UG section > Click here for certificate course fee(commerce) within 19/05/2023 midnight positively.

Those who are interested to deliver speeches are requested to contact with the department within 20/05/2023 (Saturday).

Certificate will be given after completion of the course successfully.

Ram Ranjan Routh H.O.D.

Dept. of Commerce



ATTESTED Principal Kharagpur College

Assessment of Certificate Course on " Fundamental Analysis of Financial Securities Market in India" Department of Commerce, Kharagpur College,

Full Marks 20 (20 x1), Time 30 Minutes

1. The fourth digit of PAN represents:

(a) Name of the assessee, (b) Title of the assessee, (c) Location of the assessee, (d) Status of the assessee

2. Number of digits in the GSTIN: (a) 10, (b) 12, (c) 15, (d) 14

3. Number of shares on the basis of which SENSEX is calculated: (a) 25, (b) 30, (c) 50, (d) 100

4. Maximum number of members of a Private Limited Company: (a) 7, (b) 20, (c) 50, (d) 200

5. Number of Public Sector Banks in India: (a) 12, (b) 14, (c) 21, (d) 24

6. Which one is not a part of Fundamental Analysis?

(a) Industry Analysis, (b) Social Analysis, (c) Company Analysis, (d) Economy Analysis

7. Maximum amount of Deduction u/s 80 D for a normal person is

(a) Rs 20,000, (b) Rs 25,000, (c) Rs 30,000, (d) Rs 50,000

8. SEBI was introduced in which year? (a)1986, (b) 1988, (c) 1990, (d) 1992

9. Phone pay, Google Pay, Paytm etc. are associated with

(a) RTGS, (b) NEFT, (c) IMPS, (d) AEPS

10. AS-2 relates to (a) Valuation of Fixed Assets, (b) Depreciation of Assets,

(c) Inventory Valuation, (d) Disclosures of Accounting Principles

11. Find out the odd option

(a) Lien, (b) Mortgage, (c) Security, (d) Hypothecation

12. Who is called as the father of Scientific Management?

(a) Max Weber, (b) Abraham Maslow, (c) Henri Fayol, (d) F W Taylor

13. Which one of the following methods of depreciation is recommended by Indian Accounting Standard?

(a) Straight Line Method, (b) Diminishing Balance Method, (c) Sinking Fund Method, (d) Annuity Method

14. Which one of the following is not a type of Derivative Contract?

(a) Forward, (b) Futures, (c) Option, (d) Insurance

15. Which one of the following is not a type of Indirect Tax?

(a) Sales Tax, (b) Income Tax, (c) Customs Duty, (d) Excise Duty

16. A person with the age or more is considered a super senior citizen

(a) 55, (b) 60, (c) 80, (d) 85

17. As per which accounting concept capital is shown at the liability side of the balance sheet?

(a) Entity Concept, (b) Going Concern Concept, (c) Matching Concept, (d) Dual Concept

18. Which one of the following is not a systematic risk?

(a) Interest Rate Risk, (b) Purchasing Power Risk, (c) Market Risk, (d) Industry Specific Risk

19. Most popular measure to judge the risk is

(a) Standard Deviation, (b) Beta, (c) Sharpe Ratio, (d) Co efficient of variation

20. Which one of the following is not a Profitability Ratio?

(a) Return on Equity, (b) Return on Capital Employed, (c) Net Profit Margin, (d) Liquid Ratio