

Details report
on
CERTIFICATE
COURSE
IN
DIGITAL
MARKETING

Course Co-ordinator

Pankaj Kr. Rabha

Dr. Lakhyajit Rabha

Assistant Professor, Department of Commerce

Duration of the course: 32 hours (22 hours theory, 10 hours practical)

Content

1. Proposal letter for certificate course on digital marketing
2. Course syllabus
3. Regulation for Certificate Programme in Digital Marketing (CPDM)
4. Notice for application
5. Admission form
6. Enrollment register
7. Attendance report
8. Notice for Examination
9. Question paper
10. Signature sheet of Examination
11. Result sheet
12. Format of certificate

To,

The Principal,
Bikali College, Dhupdhara
Pin-783123, Goalpara
Date: 08/08/2021

Sub: Proposal for Certificate Course in Digital Marketing

Sir,

With reference to the subject cited above I have the honour to state that the Department of Commerce is willing to initiate a Short-Term Certificate Course on "**Digital Marketing**" of 32 hours duration with intake capacity of 50 for the academic year 2021-22.

The course will be open to all. The course will familiarize the students with different digital marketing system and enable the student to carry on online marketing which is also in line with the vision of the National Education Policy 2020.

I, therefore request you to grant us permission to begin the said course at the earliest.

Regards,

Rabha

Pankaj Kr. Rabha
Head, Department of Commerce
Bikali College, Dhupdhara
HoD
Deptt. of Commerce
Bikali College

Permitted
[Signature]
9/8/2021
PRINCIPAL
BIKALI COLLEGE
DHUPDHARA

DEPARTMENT OF COMMERCE
Bikali College, Dhupdhara
Goalpara: 783132

**CERTIFICATE COURSE
IN
DIGITAL MARKETING**

Course Co-ordinator
Pankaj Kr. Rabha
Dr. Lakhyajit Rabha



Assistant Professor, Department of Commerce

Duration of the course: 32 hours (22 hours theory, 10 hours practical)

Objective: To understand the basic Concepts of Digital marketing and the road map for successful Digital marketing strategies.

COURSE STRUCTURE

Unit-I: Introduction to Digital Marketing: Fundamentals of Digital marketing & Its Significance, Traditional marketing Vs Digital Marketing, Evolution of Digital Marketing, Digital Marketing Landscape, Key Drivers, Digital Consumer & Communities, Gen Y & Netizen's expectation & influence wrt Digital Marketing.

Unit-II: Social Media Marketing: Fundamentals of Social Media Marketing & its significance, Necessity of Social media Marketing, Building a Successful strategy: Goal Setting, Implementation.

Unit-II: Search Engine Optimization: Introduction to SEO, How Search engine works, SEO Phases, History Of SEO, How SEO Works, What is Googlebot (Google Crawler), Types Of SEO technique, Keywords, Keyword Planner tools

Unit-III: Advertising Tools & Its Optimization: Advertising & its importance, Digital Advertising, Different Digital Advertisement, Performance of Digital Advertising:- Process & players, Display Advertising Media, Digital metrics

Unit-IV: Web Analytics: Website Planning & Development- Website, Types of Websites, Phases of website development, Keywords: Selection process

Unit-V: Website Hosting using Word Press: Building Website using Word press-What is Word press, CMS, Post and Page. Word press Plug-ins- Different Plug-ins, social media Plug-ins, page builder plug-ins: the elementor, how to insert a section, how to insert logo, Google Micro sites

Reference Books:

Digital Marketing –Kamat and Kamat-Himalaya
Marketing Strategies for Engaging the Digital Generation, D. Ryan,
Digital Marketing, V. Ahuja, Oxford University Press
Digital Marketing, S.Gupta, McGraw-Hill
Quick win Digital Marketing, H. Annmarie , A. Joanna, Paperback edition

Approved
Principal
Bikali College
Dhupdhara

Rabha
HoD
Deptt. of Commerce
Bikali College



Regulation for Certificate Programme in Digital Marketing (CPDM):

1. The certificate programme in Digital Marketing (DM) is a 32 hours full time certificate programme. After successful completion of the programme certificate will be provided to the qualified students.

2. **Duration:** 32 hours (22 hours theory, 10 hours practical)

3. **Eligibility Criteria:** the candidate should have passed the 12th standard examination of AHSEC, Assam or its equivalent board / council in any discipline with minimum 40% marks in aggregate. The selection will be based on the marks obtained in +2 examinations.

4. **Attendance:** A candidate shall be required to attend 75% of class. Consolation may be granted by the principal only to the extent of 15% in exceptional cases i.e. Serious Illness & Hospitalization, Accident, Mishap in the family, Deputation by the college for any specific work. The candidates falling short of required attendance percentage will not be allowed for form fill up for the university examination. The candidate will appear the examination in the next batch.

5. **Internal Assessment (30% internal marks)** : Internal marks will be assigned based on

- i. Assignment/ Presentation - 10 marks
- ii. Attendance - 10 marks
- iii. Case Discussion - 10 marks

6. **External Examination (70% external marks):** The external examination will be conducted by the Department.

7. **Passing Criteria:** The paper will carry 70 marks. The marking will be based on numerical score. The candidate remaining absent in either internal examination or External examination in any paper will be considered as absent in that paper in spite of securing marks in any one of the components.

- i. To pass a paper, a candidate should score minimum 40 percent mark in that paper with at least 40 percent marks in internal examination.

8. **Award of Certificate:** A candidate meeting the passing criteria will be eligible for certificate. The following award may be given to qualifying candidates.

- 40%-50% -D grade
- 50% - 65% - C grade
- 65% - 80% - B grade
- Above 80% - A grade

For wide circulation

[Signature]

10/08/2022
PRINCIPAL
BIKALI COLLEGE
DHUPDHARA

[Signature]
HoD
Dept. of Commerce
Bikali College



DEPARTMENT OF COMMERCE

Bikali College, Dhupdhara

Goalpara, Assam, Pin 783123

bikalicommerce@gmail.com



NOTICE



It is hereby informed to all concerned that a certificate course in “**Digital marketing**” is going to start from September 1st 2021 by the department of Commerce, Bikali college. Interested students are asked to contact the coordinator of the programme for details.

Pankaj
Co-ordinator
HoD
Deptt. of Commerce
Bikali College

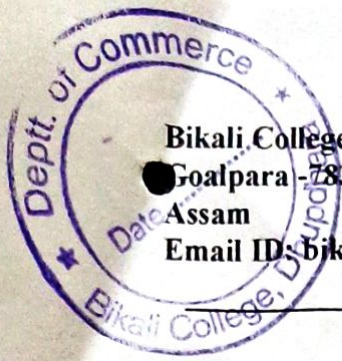
Pankaj Kr. Rabha
Head, Department of Commerce
Bikali College, Dhupdhara

10th August, 2021

*Forwarded to Notice board for
Circulation*

(Signature)
10/08/2021

PRINCIPAL
BIKALI COLLEGE
DHUPDHARA



Bikali College, Dhupdhara,
Goalpara - 783123
Assam
Email ID: bikalicollege@gmail.com



Department of Commerce
Bikali College, Dhupdhara
Goalpara, Assam, Pin 783123
bikalicommerce@gmail.com

ADMISSION FORM

Passport
size
Photograph

Name of the Certificate Course: (Digital Marketing).....

Personal details of the Applicant:

1. Applicant Name (Block letter):
2. Father's Name:
3. Mother's Name:
4. Date of Birth: 5. Caste:
6. Nationality: 7. Religion: 8. Sex:
9. Occupation:

10. Permanent Address:-

Vill: P.O: P.S:
PIN: District: Mobile No:
Email:

11. Address for Correspondence:

Vill: P.O: PIN:
District: Mobile No: Email:

Education Qualification (for outgoing student) :

Education Qualification (Present student):

Class: Department:

Class Roll no. : Session:

Signature of the Applicant

Course Co-ordinator

Date:

Place:

Computer Education Centre(Bikali College)

Computer education is important to build up a strong career. It is a technical knowledge which helps us to choose a good career. In today's world it is difficult to acquire appropriate job with regular education alone computer knowledge has become almost compulsory in today's job market. We have lots of computer courses like accounting, software courses, multimedia courses, hardware and networking courses etc. And also along with computer knowledge one should also excel in communication skills body language, eye contact, appropriate attitude, time management, English language, resume or CV writing skill etc. Those with knowledge of computer art considered hireable for many kinds of jobs. Most of jobs involve the use of computer. Computer education has become an eligibility criterion for almost all modern day jobs. Higher education involving network administration, hardware maintenance or software skill, open doors for various job opportunities. Computers, which have such a wide variety of applications, are indeed ruling society. To keep up with the pace in this fast life of today, computer education is extremely important. Computers are an integral part of life and so is computer education! At least now let us understand the true need of computer education and support our children, youths as well as regardless of age to pursue computer education.

The computer has a crucial role in the field of today's marketing world like online selling and buying things in Amazon, flipkart, and other online platforms.

Keep with the pace of modern day education and computer knowledge Bikali College has initiated to start computer education for the greater benefit of the students.

Computer Laboratory Infrastructure:

The college has a well maintained computer laboratories. The computer system are of latest configuration and working . There are more than 50 computers in the laboratory with wifi facility for the students of the college. The overall sitting capacity of the lab are of 60 students. The lab also have the facility of projectors and smart boards. The lab maintains printers and scanners etc.

Following are the main things that students can do in the computer lab:

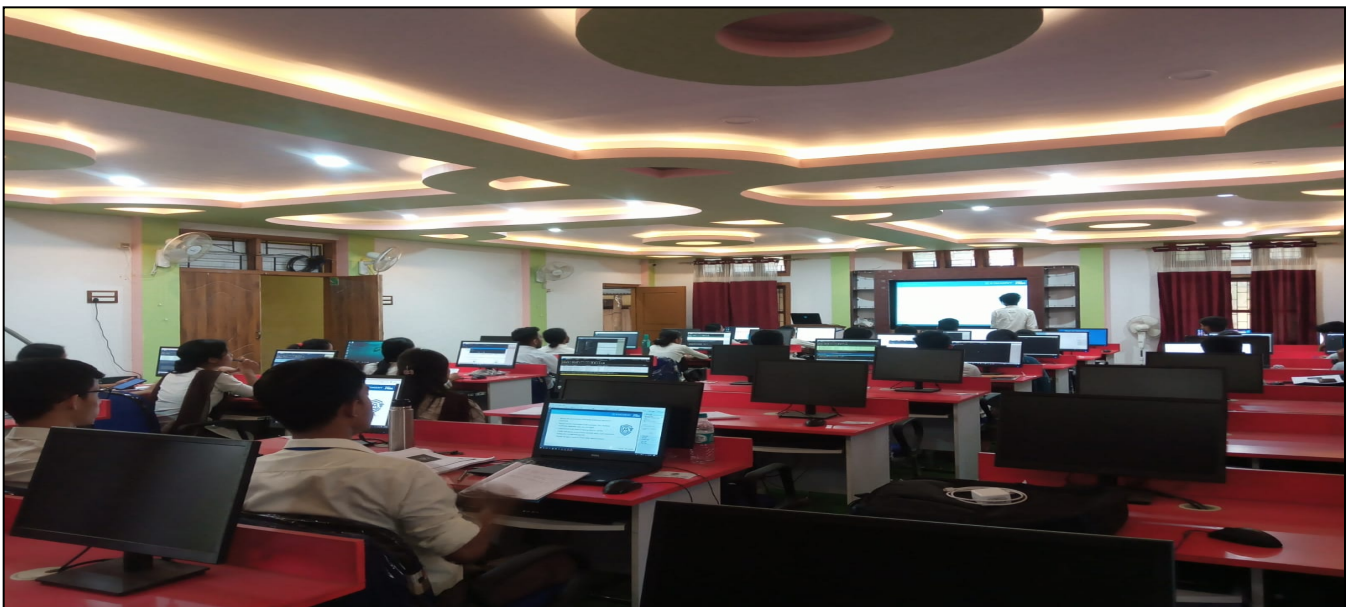
- They can use document writing and editing application to create notes and articles.
- They can built their own websites and blogs.
- They can practice Ms Word, Ms Excel Ms PowerPoint, DTP, Tally, Programming etc.
- The students can learn coding and built new educational apps.

- The students can learn, practice and improve their Hindi, English and Assamese typing skills.
- The students can learn to use the internet in which they can pay fee online, they can join online classes etc.
- The students can practice video conferencing with teachers, online education and many other educational activities through online computer applications.

Hours of Operation: Six days a week from 9AM to 4 PM.

Third eye computer education centre under Bikali College is one of the leading IT training institute in Dhupdhara (Goalpara) since 2007 the institute has successfully trained more than 550 students.

The institute provides a wide variety of career professional, short term and certification courses, designed by our experts after careful market study and research. All the courses are taught by an experienced and certified faculty. Our faculty constantly updates his/her technical skills maintain the expertise. Our institute has made all out efforts to provide high quality education at comparatively lesser cost. We think this has helped students of the economically backward families of the area to take up computers course in the college.



We offer career- oriented courses in the following categories:

Course Name:

Duration:

Fees

Structure

1. Start-up for Beginners	3 Months	
1,200+300		
2. DTP	3 Months	
	1,200+300	
3. Tally	3 Months/6 Month	1,200+300
4. Video Editing	3 Months	1,200+300
5. C Programming	3 Months	1,200+300
6. C++ Programming	3 Months	1,200+300
7. Web Page Design	3 Months	1,200+300
8. Start-up in Desktop Publishing	6 Months	
1500+300		
9. Hardware & Networking	6 Months/ 1 year	
2200+300		
10. DCA (Diploma in Computer Application)	6 Months	1500+300
11. Diploma in Accounts and Finance with Tally	6 Months	2700+300
11. ADCA (Advance Diploma in Computer Application) 1 Year		4700+300
12. PGDCA	1 year	5700+300

Now days, Computer education is very important and necessary because without computer knowledge an education is consulted to be in complete.

Syllabus and Duration:

Sl No	Course Name	Duration	Course Content	Books to be issued	Books cost	Course fee	Royalty	Cost of Kit	
1	Smart Professionals	One month/24 hours	Intro. to Computers Windows OS MS-Office2000 Internet & E-Mail	Beginners Training Manual (BTM)					
2	Smart Beginners	One month/24 hours	Concept of Information Technology Working with Windows MS Word MS Excel MS PowerPoint Intro. Multimedia Internet & Email	BTM					
<u>Start-Up Courses</u>									
3	Start up for Beginners-SUB	3 Months/72 hours	Intro. to Computers Windows OS MS-Office2000 Internet & E-Mail Intro. to Multimedia HTML Frontpage2000	1.BTM, 2. HTML, FrontPage					
4	Start Up for Commerce Students-SUC	3 Months/72 hours	Intro. to Computers Windows OS MS-Office2000,Internet Intro. to Accounting	1. BTM, 2.TALLY					

			<p>Intro. to Tally versions(5.4,6.3,7.2)</p> <p>Intro. to Inventory</p> <p>Bank Reconciliation Statement</p> <p>Outstanding Management</p> <p>Storage& Classification</p> <p>Manufacturing Stock</p>					
5	Start Up for DTP SUDTP	3 Months/ 72 hours	<p>Intro. to Computers</p> <p>Windows OS</p> <p>MS-Office2000</p> <p>Internet & E-Mail</p> <p>Intro. to Multimedia</p> <p>DTP: PageMaker</p> <p>CorelDraw</p> <p>Photoshop</p>	p1.BTM, 2.DTP				

Students Admission and Results Records:

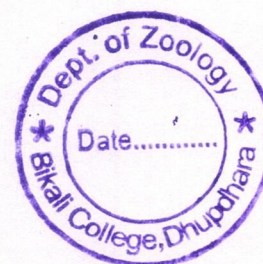
ADD ON COURSE
ON
ENTREPRENEURSHIP ON NON-MULBERRY SERICULTURE



Course Offered by
Department of Zoology, Bikali College

Duration of the Course
30 hours
(Theory & Field Visit)

Course Co-ordinator
Mr. Jugal Kishore Talukdar,
Assistant Professor
Dept. of Zoology, Bikali College.



CONTENTS

- About Bikali College
- Department of Zoology
- Add-On Courses
- Introduction to the Course
- Rationale of the Programme or Why do you need to study this course?
- Objectives
- Target Group
- Outcomes
- Syllabus (with Practical component)
- Eligibility
- Fee Structure
- Learning Resources
- Assessment and Evaluation
- Model Question Papers

Annexures:

- I. Attendance Sheet
- II. Online class taken Screenshot
- III. Requisition Letter
- IV. Flyer/Notification of the Course
- V. Life cycle Model of Eri and Muga Silkworm submitted by students as a course outcome.
- VI. Students record for certificate distributed/received
- VII. Course Completion Certificate



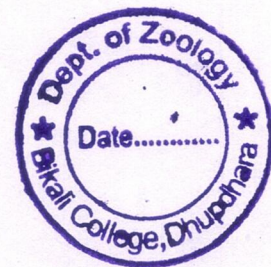
A BRIEF INTRO ABOUT BIKALI COLLEGE:

In Assam, Bikali College is among the best colleges for higher learning. It is situated at Dhupdhara, a small town in the easternmost region of Assam's Goalpara district, on National Highway 37 (New NH17).

On April 14, 1982, Bikali College was founded. With a current affiliation with Gauhati University, the college offers postgraduate courses in geography and Assamese language in addition to undergraduate studies. The college's arts program was placed under the Deficit Grants-in-Aid programs of the Assamese government in 1992, and in 2005 it was provincialized. The institution offered its Science and Commerce streams as self-financed courses in 2005 and 2015, respectively, as it continued to grow and improve. Students in all three streams can also enroll in certificate courses offered by the college in addition to these courses. The college was granted UGC recognition for 2 (f) and 12 (B) as of the UGC 10th Plan.

With state-of-the-art teaching and learning facilities, the college boasts a vast campus spanning over 50 acres. Over the years, the college has constructed an excellent infrastructure and is making great efforts to make the campus welcoming to students. Some of the teaching-learning facilities in the college that provide students with better campus learning experiences include ICT-enabled classrooms, a well-equipped computer lab, science laboratories, a central library with internet access, a digital library, seminar and conference halls, etc.

Based on the principles that constitute the college's core values, the organization is dedicated to achieving its main goals of offering inclusive, high-quality education. By combining local knowledge and expertise with global skills and innovation, the college hopes to surpass the hurdles created by its remote location and become on par with the best academic institutions. We genuinely believe that we can continue on our path to the academic success that the college's founders had envisioned, based on our experiences and accomplishments.



A BRIEF ABOUT THE DEPARTMENT :

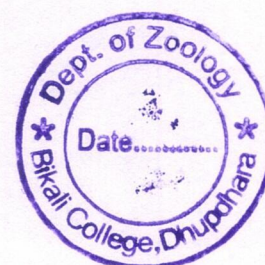
The Department of Zoology was founded in 2015 as part of the science stream. Two years later, in 2017, the department began offering undergraduate courses with the goal of offering high-quality instruction, scientific understanding, and critical thinking. The department's faculty members are very skilled and committed educators with over six years of classroom experience. The Department can accommodate up to 25 students pursuing honors. In keeping with its mission, the department has launched a number of Add-on and Certificate programs, giving students access to a skilled-based learning environment and opportunities in entrepreneurship education.

Vision-The holistic development among students and to provide broad knowledge about animals as well values of life.

Mission- To provide a graduate degree in Zoology with core concept & good percentage so that students can have vast range of opportunities in the field such as Teaching and research, Forensics, Agricultural studies, Scientific civil services, Environmental & Ecosystem Management Sector, Indian forest services, indian administrative services, Wildlife rehabilitators and conservationist, Research project assistant and obtain higher studies in India and abroad.

ADD- ON COURSES

Every academic year, Bikali College offers students a variety of additional courses. The courses, which are intended to give our students academic flexibility and enable skill-based, in-depth, and interdisciplinary learning, are announced annually with the principal's and governing body's prior consent. The practice of offering supplemental courses aligns with the goals of the New Education Policy, 2020 and offers opportunities for interdisciplinary learning. The Add-On courses are delivered offline, online, or in a hybrid format and have a minimum duration of thirty hours. Each department introduce atleast one add-on course during one academic year for the benefit of the students. These courses are targeted to impart required knowledge on competitive examinations, develop skill based learning, or simplify tough contents in the syllabus or introduce additional topics to aid understanding of the existing curriculum. The classes for the add-on courses are held without hampering the regular timetable and hence is often scheduled from 3pm and through blended mode. Assessment is kept simple through assignments and a final examination of not more than 50 marks. The students' learning achievements are also analysed through group discussions, classroom presentations, practical lessons rather than rote learning.



RATIONALE OF THE COURSE

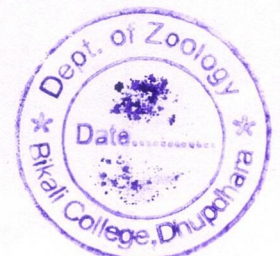
Sericulture plays a major role in rural employment, poverty alleviation and earning foreign exchange. A lot of entrepreneurial opportunities are available in various fields of sericulture. The non-mulberry (also called Vanya silk) sericulture is practised in Assam, Jharkhand, Orissa and Madhya Pradesh. More than 6 million people are involved in sericulture activities. It is necessary to upgrade Sericulture in India to the skills of the sericulturists to use the full potentialities of sericulture to produce qualitatively superior cocoons and to earn profitable income.

The course is intended to provide the following knowledge and skills to its learners:

- explain the potentialities of sericulture as a source of rural employment and as an export earning enterprise.
- differentiate different silkworms and their host plants
- determine various support systems available to strengthen sericulture and
- Varieties of Non-Silk Products and economics in India
- Identify the organizations involved in sericulture training and skill upgradation.

INTRODUCTION OF THE COURSE :

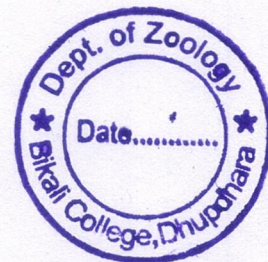
Sericulture is a cottage industry par excellence with its agricultural base, industrial super structure and labour intensive occupation provides gainful employment. It is remarkable for its low investment, quick and high returns, which fits well into the socio-economic fabric of India. Sericulture is highly recommended by planners and administrators as one of the most effective tools for rural reconstruction. Majority of the reelers extract silk from cocoons using charaka reeling unit, which is of traditional in nature yielding poor quality of silk. However, with the advancement in silk reeling technology, now, cottage basin, multi-end and automatic reeling machines are used and thus able to produce superior quality of silk which is capturing international market and it is absolutely essential that the industry should devote adequate attention to developing and adopting appropriate and modern technologies. Currently, India is the second largest producer of silk in the world producing 26,480 MT of silk next to China



which is producing 1,30,000 MT of silk. The demand for silk in India is more but production is less. To overcome this India imports silk from other countries. However, India exports silk products at better price. Sericulture, involving the cultivation of mulberry and non-mulberry silkworms, is a significant cottage industry in India, particularly in Assam. It plays a vital role in the socio-economic development of rural communities, with Muga and Eri silk being integral to Assamese culture and traditions. Silk industry is a labour intensive in nature, which is mainly a cottage industry in India providing livelihood to more than 9.42 lakh families. Keeping the scope and potentiality of the future prospects this add on course is being introduced in the college.

COURSE OBJECTIVES

- ✓ To educate the students about the basics of sericulture and its future prospects.
- ✓ To describe the potential of sericulture as an export-generating business and a source of employment in rural areas.
- ✓ To determine the different support systems accessible to fortify sericulture and distinguish between different silkworm species and the plants that serve as their hosts.
- ✓ To understand the economics and varieties of non-silk products in India
- ✓ How sericulture is an Important Agro-based Enterprise Adding Value in Villages:
- ✓ To access and determine which organizations are engaged in skill enhancement and training related to sericulture.



TARGET GROUPS

- The course is intended for UG students of all disciplines
- (Arts, Science & Commerce)

OUTCOMES OF THE COURSE :

The course helps the students to acquire scientific knowledge regarding sericulture and its significance in contributing growth of our economy and create self employment opportunities.

- Low Gestation, Low Investment and High Returns :
- Helps in gaining critical understanding of factors that influence on silk production, so as to make sericulture sustainable.
- High Employment Potential And starts its own business as source of income.
- Women Friendly Occupation and eco-friendly activity.
- Ideal Programme for Weaker Sections of the Society.
- With this knowledge they can transform sericulture to a value addition diversified functional industry.

SYLLABUS :

Unit I : Introduction to Non- mulberry Sericulture.

Unit II: Varieties of Non-Silk Products and economics in India

Unit III: Non-Mulberry Sericulture industries in Different States.

Unit IV: Employment generation and Potential opportunities in silk Industry.

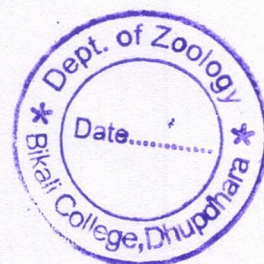
Unit V: Field Visit to any Sericulture Farm.

Eligibility

All students pursuing UG or PG courses in Bikali College are eligible to join this course.

Fee Structure

The course is free of cost.



Learning Resources

Books & Journals :

- Sericulture- Present and Future (Paperback, Dr. Vaishali Sangram Shewale)
- Prospects of Sericulture in Indian Context (Mishra & Kumar , 2023)
- Badola, Kiran & R. S. Peigler. 2013. Eri Silk: coccon to cloth. Bishen Singh Mahendra Pal Singh, Dehra Dun. 93 pp.
- Baishya, P. 2005. The silk industry of Assam: a case study of the Sualkuchi cluster. Spectrum Publications, Guwahati & Delhi. 140 pp.
- Chowdhury, S. N. 1982. Eri silk industry. Directorate of Sericulture & Weaving, Gauhati, Assam. iii + 177 pp., + 28 figures.
- Srivastav, P. K. & K. Thangavelu. 2005. Sericulture and seribiobiodiversity. Associated Publishing Company, New Delhi. xvii + 254 pp., 48 color figures.

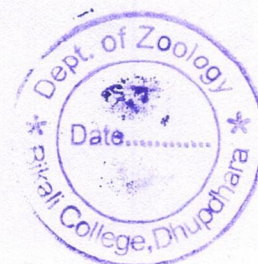
Websites / Link

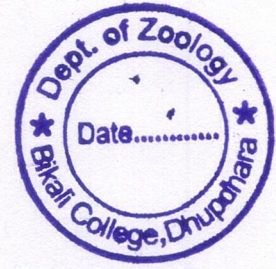
- https://planning.hp.gov.in/plg_evaluation/SERICULTURE.pdf
- <https://ugcmoocs.inflibnet.ac.in/assets/uploads/1/144/5010/et/40%20script%20-%20Problems%20and%20Prospects%20of%20Sericulture200303111103031717.pdf>
- Inflibnet
- Google
- Shodganga

Assessment and Evaluation

- ✓ Regular assignments will be given to students after the completion of each unit.
- ✓ Students were given assignment to make Life cycle on Sericulture and submit PPT on different topic/units.
- ✓ Evaluation was done by a test and Final Examination.


Co-ordinator
Dept. of Zoology





MODEL QUESTION PAPER

MCQ TYPE

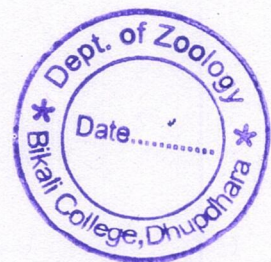
SET 1

Time 2 hours

Total Marks 50

1. What is sericulture?
 - a) Rearing of fishes
 - b) Rearing of silkworm
 - c) Rearing of birds
 - d) Rearing of cockroach
2. Which of the following varieties of silk is not produced in India?
 - a) Muga Silk
 - b) Mulberry Silk
 - c) Tassar Silk
 - d) American Silki
3. Which of the following is not the characteristic feature of Tassar silk?
 - a) Also known as Kosa silk
 - b) Obtained from *Bombyx mori*
 - c) A native of India and China
 - d) Larvae of the silkworm feed on oak

4. Which of the following silk is mainly produced in Assam?
 - a) Arundi silk
 - b) Natural silk
 - c) Muga silk
 - d) Tassar silk
5. Which of the following is not a characteristic feature of Eri silk?
 - a) Also known as Arundi silk
 - b) Produced in Bengal, Bihar and Assam
 - c) Cocoons are soft and white
 - d) Larva feeds on oak leaves
6. How many stages are there in the life cycle of a silkworm?
 - a) 3
 - b) 4
 - c) 5
 - d) 6
7. Cocoon is formed by how many pairs of glands?
 - a) Two
 - b) Three
 - c) Four
 - d) One
8. Which of the following state is not a mulberry silk manufacturer in India?
 - a) Assam
 - b) Karnataka
 - c) Andhra Pradesh
 - d) Tamil Nadu
9. Pick the correct statement
 - (a) larval form of moth produces silk
 - (b) salivary glands of the moth produce silk
 - (c) by boiling, silk is extracted from cocoon of a moth
10. Silk is produced by
 - (a) cocoon
 - (b) adult moth
 - (c) larva
 - (d) larva and adult moth
11. Insects not found in wild state is
 - (a) cochineal insect
 - (b) lac insect
 - (c) silk moth
 - (d) honey bee



12. Pick the set of beneficial insects to man

- (a) sandfly, honey bee, butterfly
- (b) honey bee, cockroach, silkworm
- (c) silkworm, wasp, honey bee
- (d) honey bee, cochineal insect, lac insect

13. Honey, silk and lac are

- (a) artificial elements
- (b) secretory substance of plants
- (c) secretory substance of insects
- (d) all of these

14. What is the life span of an adult 'Bombyx mori'?

- (a) 2 days
- (b) 3-4 days
- (c) 6 days
- (d) 8 days

15. Silk contains a protein known as

- (a) casein
- (b) fibroin
- (c) sericin
- (d) both (b) and (c)

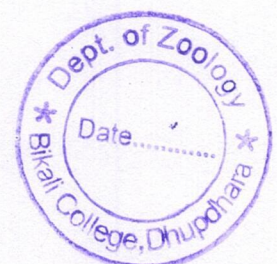
16. In which stage silk protein is stored

- a. 1st instar
- b. 2nd instar
- c. 4th instar
- d. 5th instar

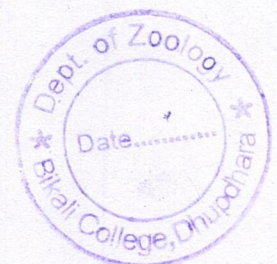
17. Which of the following glands secrete silk

- a. Labial gland
- b. Sex gland
- c. A and b both
- d. None of these

18. Most common species of mulberry plants



- A. Morus
 - B. Orchidaceae
 - C. A and B both
 - D. None of these
19. What is the ideal range of pH of soil for mulberry plants
- a. 6.2 to 6.8
 - b. 7.4 to 7.8
 - c. 7.9 to 8.4
 - d. None of these
20. What is the process of cultivation mulberry plants called as
- a. Sericulture
 - b. Mulberry cultivation
 - c. A and b both
 - d. None of these
21. From uzi flies, how rearing house is protected
- a. closed windows and ventilation
 - b. cover window and ventilation with nylon net
 - c. A and B both
 - d. none of these
22. What is the optimum room temperature of rearing house
- a. 20°C-22°C
 - b. 27°C-28°C
 - c. 28°C-29°C
 - d. 29°C-30°C
23. Which one of the following is not the rearing appliances:
- a. power spary
 - b. rearing tray
 - c. nylon net
 - d. caste net
24. In the late age rearing racks are made up of
- a. iron, cupper, wood



b. iron, wood, bamboo

c. iron wood and aluminium

d. none of these

25. Which one of the following is the causative agent of Grasserie disease.

a. nuclear polyhedrosis virus

b. flacherie virus

c. a and b both

d. none of these

26. Uzi fly, what type of parasite is

a. endoparasite

b. exoparasite

c. a and b both

d. none of these

27. Where Uzi fly gives eggs in rearing house

A. Silkworm larva

b. nylon net

c. bamboo racks

d. none of these

28. Uzi fly infect in which of the following species

a. Bombyx mori

b. Eri

c. Muga

d. Tasar

29. Causative agent of flacherie disease

a. flacherie virus

b. bacteria

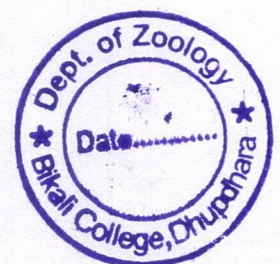
c. a and b both

d. none of these

30. What are the symptoms found when cocoons are infected by *Bacillus thuringensis*

a. paralysis and death

b. turn black after death



- c. foul smell
- d. all of these

31. Muscardine disease have causative agent is:

- a. *Bombyx mori Densonucleosis*
- b. *Bacillus thuringensis*
- c. *Beauveria bassiana*
- d. none of these

32. In Muscardine disease, how infection starts:

- a. conidia comes in contact with body.
- b. contaminated mulberry leaf
- c. a and b both
- d. none of these

33. Which of the following pest attack pierced cocoons

- a. beetles
- b. bacteria
- c. virus
- d. none of the above

34. What is the pest of muga silk

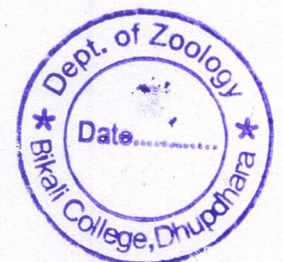
- a. flacherie virus
- b. nosema species
- c. a and b both
- d. none of these

35. disinfectants used in rearing house for disinfection is

- a. 0.05% Asthra solution
- b. 2% bleaching powder
- c. 0.03% slaked lime solution
- d. all of these

36. Which pest give eggs on the floss of cocoons

- a. uzi flies



b. Dermestid Beetles

c. Apanteles

d. none of these

37. Which of the following is not considered as a silk city of India?

a) Jaipur

b) Kanchipuram

c) Bhagalpur

d) Pochampally

38. The silkworm larva ceases to eat and begins spinning silk all over its body

(a) from inside to outside

(b) from outside to inside

(c) in a random motion

(d) all of the above

39 Queen of textiles

A:-Kanchipuram Sarees

B:-Silk

C:-Cocoon

D:-Cotton

40. In tropical region the best orientation of long axis of silkworm rearing house is

A:-East west

B:-North east and South west

C:-North South

D:-North west and South east

41. Which rearing equipment is not used at the time of spinning of silkworm larvae?

A:-Feeding stand

B:-Netrika

C:-Chandrika

D:-Rotary moutage

42. Viral disease of silkworm is

A:-Tukra

B:-Grasserie

C:-Muscuardine

D:-Pebrine

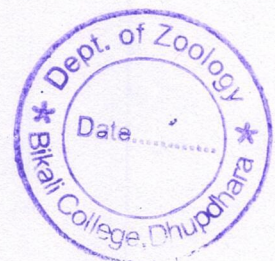
43. Which is not a part of silkworm egg?

A:-Chorion

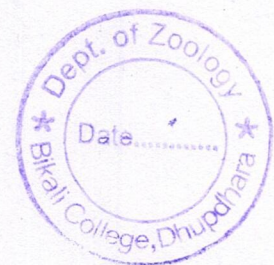
B:-Yolk

C:-Filippi's gland

D:-Veitelline membrane



44. The process of shedding down of exoskeleton in silkworm is called
A:-Moulting
B:-Mounting
C:-Mulching
D:-Brushing
45. Ahimsa silk is naturally obtained from
A:-Tasar silk
B:-Mulberry silk
C:-Muga silk
D:-Eri silk
46. Which district the silkworm eggs are produced in Kerala?
A:-Kasargod
B:-Palakkad
C:-Kannur
D:-Wayanad
47. Mother moth examination is conducted for the detection of which disease
A:-Pebrine
B:-Grasserie
C:-Flacherie
D:-Muscardine
48. Sericulture is native of
a. Japan
B. India
C. China
D. Korea
49. Mullberry, muga, oak, and tasar all the four varieties of silk are present in single country, the country is
A. Japan
B. India
C. China
D. Korea
50. The silk fibre are held together by substance known as
a. sericin
b. cement
c. glue
d. none of these
51. Life span of adult bombyx mori
a. 2 days
b. 6 days.
c. 8 days
d. 3-4 days



52. Which of the following districts in Madhya Pradesh is mainly silk producing

- a. Indore
- B. Bhopal
- C. Raipur
- D. Ujjain

53. Total Silk Production In India In 1990-91 Was

- a. 12665 tonnes
- b. 126650 tonnes
- c. 12665 quintals
- d. 126650 quintals

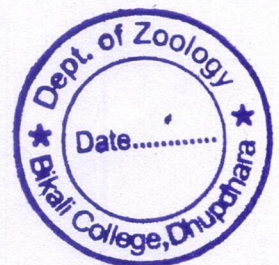
54. Eggs of silk worm are kept in cold storage at

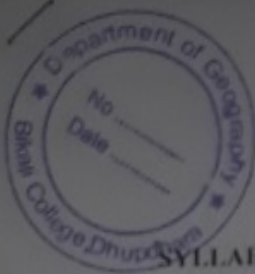
- a. 5°C
- b. 2°C
- C. 25°C
- D. 3°C

55. Silk worm is

- a. fly
- b. worm
- c. moth
- d. beetle


Co-ordinator
Dept. of Zoology





POST GRADUATE DEPARTMENT OF GEOGRAPHY
BIKALI COLLEGE, DHUPDHARA, GOALPARA, ASSAM

SYLLABUS FOR CERTIFICATE COURSE IN GEOINFORMATICS FOR BEGINNERS

TOTAL MARKS: 200

TOTAL NUMBER OF PAPERS: ONE THEORY AND ONE PRACTICAL

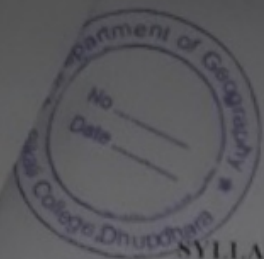
DURATION: 3 MONTH (30 HOURS)

MODE: ONLINE AND OFFLINE

THEORY PAPER (100 MARKS)

TIME: 3 HOURS

- **INTRODUCTION TO GEOINFORMATICS**
GEOINFORMATICS: AN INTRODUCTION
RECENT TREND IN GEOINFORMATICS
- **CONCEPT OF GEOSPATIAL DATA**
INTRODUCTION TO GEOSPATIAL DATA
DATA TYPES AND SOURCE
DATA ANALYSIS TOOL
REMOTE SENSING DATA PRODUC AND FORMAT
- **BASICS OF MAPPING**
UNDERSTANDING MAPS
MAP READING
MAP PROJECTION AND COORDINATE SYSTEM
- **SCOPE AND APPLICATION OF GEOINFORMATICS**
CLIMATE, ENVIRONMENT AND DISASTER MANAGEMENT
LAND USE PLANNING, INFRASTRUCTURE AND E- GOVERNANC
OTHER APPLICATIONS
- **PROCESSING AND CLASSIFICATION OF REMOTELY SENSED DATA**
IMAGE CLASSIFICATION
IMAGE CORRECTION
IMAGE ENHANCEMENT AND TRANSFORMATION
ACCURACY ASSESSMENT
- **INTRODUCTION TO REMOTE SENSING**
PRINCIPLES OF REMOTE SENSING
INTERACTION OF EMR WITH EARTH & ATMOSPHERE
SPECTRAL SIGNATURE
- **SENSOR AND SPACE PROGRAMME**
SENSOR AND PLATFORM
IMAGE RESOLUTION
MAJOR SPACE PROGRAMME.
- **FUNDAMENTALS OF GEOGRAPHIC INFORMATIO SYSTEM**
CONCEPTS OF GIS
GIS DATA MODEL AND SPATIAL DATA STRUCTURE
NONSPATIAL DATA STRUCTURE
- **GIS DATA BASE CREATION**
DATA INPUT
ATTRIBUTE DATA: ITS LINKAGE AND DATA CONVERSION
DATA QUALITY ISSUE
DATA STANDARD AND TOPOGRAPHICAL CONCEPTS
- **GIS ANALYSIS, OUTPUT AND PROJECT DESIGN**
GIS OUTPUT
SPATIAL ANALYSIS
GIS PROJECT DESIGN.
- **GLOBAL NAVIGATION SATELLITE SYSTEM**
INTRODUCTION TO GNSS AND ITS COMPONENTS
GPS SURVEY AND APPLICATION



POST GRADUATE DEPARTMENT OF GEOGRAPHY
BIKALI COLLEGE, DHUPDHARA, GOALPARA, ASSAM

SYLLABUS FOR CERTIFICATE COURSE IN GEOINFORMATICS FOR BEGINNERS

TOTAL MARKS: 200

TOTAL NUMBER OF PAPERS: ONE THEORY AND ONE PRACTICAL

DURATION: 3 MONTH (30 HOURS)

MODE: ONLINE AND OFFLINE

PRACTICAL PAPER (100 MARKS)

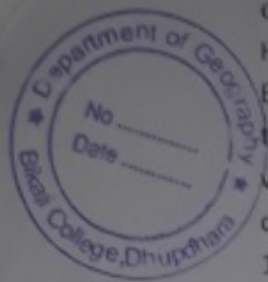
TIME: 3 HOURS

- GIS SOFTWARE DEMONSTRATION.
- DATA IMPORTING AND VISUALISATION.
- GEOREFERENCING
- DIGITISATION.
- AERIAL PHOTO INTERPRETATION
- VISUAL IMAGE INTERPRETATION.
- GPS DATA COLLECTION AND TRANSFER OF GPS DATA TO GIS ENVIRONMENT.
- CASE STUDY.

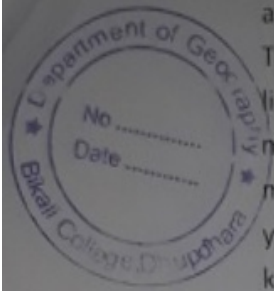


CERTIFICATE COURSE ON GEOINFORMATICS FOR
BEGINNERS
(ADD-ON COURSE)
PROGRAMME GUIDE

DEPARTMENT OF GEOGRAPHY
BIKALI COLLEGE, DHUPDHARA
GOALPARA, ASSAM



- **About Bikali College:** Bikali College is one of the premier institutions of higher education in Assam. It is located at Dhupdhara, a small town on the National Highway 37 (New NH17) in the eastern most part of Goalpara district of Assam. Bikali College was established on 14th April, 1982. The college is currently affiliated to Gauhati University and is presently offering under graduate courses and along with post graduate courses in Assamese and Geography. The Arts stream of the college was brought under Deficit Grants-in-Aid schemes of government of Assam in 1992 and it was subsequently provincialized in the year 2005. In the course of its growth and development, the Commerce stream and Science stream were introduced in the college as self-financed course in the year 2005 and 2015, respectively. In addition to these courses, the college also offers certificate courses to students in all the three streams. The college received UGC recognition of 2 (f) and 12(B) with effect from the 10th Plan of the UGC. The college has a sprawling campus spread over an area of more than 50 acres equipped with modern facilities for teaching and learning. The college has, over the years built an impressive infrastructure and is trying hard to create a student-friendly environment in the campus. ICT-enabled classrooms, well-equipped computer laboratory, science laboratories, central library with internet facility, digital library, seminar and conference hall etc. are some of the teaching-learning facilities in the college through which students are exposed to better learning experiences in the campus. The institution is committed to pursuing its prime objectives of providing quality and inclusive education on the basis of the values that form the core of the college. The college is committed to breaking barriers brought about by its remoteness and aspires to emerge at par with top educational institutions utilizing local knowledge and expertise combined with global skills and innovation. Based on our experiences and achievements, we firmly believe that we will be definitely able to march ahead on our journey to achieve the academic excellence that the founders of the college had dreamt of.
- **About the Geography Department:** The Department of Geography was established in 1982 and is one of the oldest and largest departments of Bikali College. The department offers a UG and PG. in Geography as part of the UG/ PG programme and several value-added and career-oriented courses. The department follows the syllabus as given in the prescribed curriculum of Gauhati University (GU). The guidance and support provided by its expert faculty members attract a large number of students to the department. The department over successive years has been able to generate greater interest among the locals to take up political science as a subject to pursue for higher education. The department also ensures greater participation of the students in its academic activities. The department is equipped with a smart classroom, conference room and reading corner for students. The students graduating from the department over the years have been placed in a plethora of jobs such as teaching, police, banking, law, entrepreneurship, etc
- **Add-On Course:** Bikali College provides students with different add-on courses each academic year. The courses are announced each year with prior approval of the



Governing Body and the Principal and are meant to provide our students with academic flexibility and achieve skill based, in-depth and interdisciplinary learning. The add-on course provides scope for multidisciplinary learning and is a practice in line with the vision of the New Education Policy, 2020. The Add-On courses are a minimum of 30 hours duration and are inducted through offline, online or blended mode. Each department introduce at least one add-on course during one academic year for the benefit of the students. These courses are targeted to impart required knowledge on competitive examinations, develop skill based learning, or simplify tough contents in the syllabus or introduce additional topics to aid understanding of the existing curriculum. The classes for the add-on courses are held without hampering the regular timetable and hence are often scheduled from 3 PM and through blended mode. Assessment is kept simple through assignments and a final examination of not more than 50 marks. The students' learning achievements are also analyzed through group discussions, classroom presentations, practical lessons rather than rote learning.

- **Syllabus:** Syllabus will be given in due course of time.
- **Eligibility:** All students pursuing UG or PG courses in Bikali College are eligible to join this course.
- **Fee Structure:** The course is free of cost. A minimum fee (only Rs.100/- may be charged for certificate)
- **Learning Resources:** E-Books, Videos and notes will be provided by the course coordinator/ or make a list of References.
- **Assessment and Evaluation:** Regular assignments will be given to students after the completion of each unit. A practical and MCQ test will be taken after completion of the course.

G.Thakuria
Course coordinator
Department of Geography
Bikali College, Dhupdhara
Goalpara, Assam
Pin: 783123
Ph: 8638052252



CERTIFICATE COURSE IN GEOINFORMATICS FOR BEGINNERS
(Career oriented course)
POST GRADUATE DEPARTMENT OF GEOGRAPHY
BIKALI COLLEGE DHUPDHARA, GOALPARA, ASSAM

ADMISSION FORM

Applicant name: **GUNAMONI MEDHI**
Father's name: **GIRAN MEDHI**
Full address: Village: **KERKASANI** Post office: **DHANUBHANGRA**
District: **GOALPARA** Pin code: **783130**
Mobile no: **9954834570** Email: **Medhigunamoni999@gmail.com.**
Caste: **OBC** Religion: **Hindu**
Nationality: **Indian** Sex: **Male**


Name of the examination passed with year: **H.S Passed (2019)**

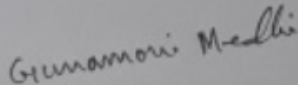
Name of the college/ institution last attended: **Bikali College**

Student studying the course at present- **Bi**

- Programme/ Course: **B.A 5th sem**
- Name of the college/ institution: **Bikali College**
- Roll no: **UA-191-095-0181**
- Session: **2021-22**

I hereby declare that the above statements are true to the best of my knowledge and I am liable to any punishment by the college authority for any wrong statements submitted by me. As a student I shall not resort to any act of indiscipline or indulge any sort of activities that may incur technical losses to the academic or administrative rules of the college.

for 
Signature of the HoD/Co-ordinator
Date: **22/2/22**


Signature of the applicant
Date: **22/02/22**

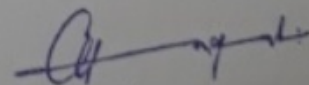
(FOR OFFICE USE ONLY)

Name of the applicant: **Gunamoni Medhi**
Course name: **Geoinformatics for beginners.**
Roll no: **UA-191-095-0181**
Registration no.: **1**

The particulars of the applicant are verified and found correct. He/ she is allowed to get himself/ herself as desired.

Seal and date

Signature of the principal



Register of Daily Attendance

Class _____ Sec _____

Roll No.	Name of Students	ATTENDANCE																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
10	Hritika Raha																																
11	Pinki Das																																
15	Jyotish Raha																																

Initial _____ Total No. of Students _____ No of working days during the month _____

& Fee realisation of Students

For the month of March 2022

Roll No.	Name of Students	DUES										AMOUNT COLLECTED							
		FEES					OTHER FEES					Total of Fee	Total of No. of	Amount Outstanding	Date	Amount	No.	of	
		Library	Contn. advance	Fees	Development	Building	Library	For Practice	Contra	Expenditure	Other Fees								Total Amount Due
10	Hritika Raha	7	2	6	3	2	1	1	7	0									
11	Pinki Das	2	2	4	4	5	2	5	5	9									
15	Jyotish Raha	7	0	0	0	0	0	0	0	0									

Percentage of attendance _____ Average of attendance _____

Date- 25-10-2021

To,

The Principal, Bikali College, Dhupdhara.

Sub: Application for approval of the Departmental Add-on Course.

Ref: To the Course: **“Quantitative Aptitude and Mathematical Reasoning”**

Offered by the Department of Mathematics, Bikali College, Dhupdhara

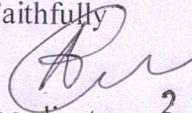
Sir,

With reference to the subject cited above, I the undersigned respectfully inform you that the Department of Mathematics, Bikali College express intention to offer the above mentioned certificate course for the greater interest of the students community. The course duration is one month (30 hours) and will be offered freely by the selective faculties of Bikali College. The course objectives and outcomes along with syllabus are submitted herewith for your kind consideration and necessary action.

This is for approval at your disposal.

Thanking you-

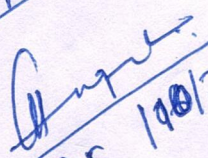
Yours Faithfully


Course Coordinator

(Dr. Abdul Wahed, HoD, Mathematics)

Bikali College, Dhupdhara

25-10-2021
HoD, Mathematics
Bikali College

Approved

25/10/2021

Notice

Dated: 15-10-2021

It is general information to the students that department of mathematics, Bikali College, has been offering add-on course on "Quantitative Aptitude and Mathematics reasoning" from 25th October-2021. Therefore, the interested students are hereby asked to join in the course before 20th October-2021

Course Duration: 30 Hours

About the Course:

The course is about quantitative aptitude that includes general arithmetic, simple commercial mathematics and everyday mathematics in our daily life. The mathematical logic and reasoning which are most important in various competitive examination are also including in the Course.

Why you need to study this Course? :

The importance of the course is lying on the fact that the knowledge of mathematics enhances one's understanding level and power of thinking. The knowledge of quantitative aptitude and mathematical reasoning makes a person skilful in the various fields of endeavour.

Objectives:

The objectives of the certificate course are

- (i) To provide fundamental/basic knowledge in quantitative aptitude and Mathematical reasoning.
- (ii) To enhance the problem solving capacity of the students.
- (iii) To prepare the students for various competitive examination including NET/ SLET/TET/ APSC/UPSC/ Banking /railway recruitment examinations etc.

Course outcomes:

The students who take this course will be able to:

- (a) Understand the basic concepts in arithmetic and reasoning.
- (b) Solve problems in examinations as well as in daily life.
- (c) Handle critical situation in business/ organisations and in other social environment.

Dr. Abdul Wahed
Hod, Department of Mathematics
Ph. No: 6002104644

**DEPARTMENT OF MATHEMATICS
BIKALI COLLEGE, DHUPDHARA**

**Certificate / Add-on Course on
“Quantitative Aptitude and Mathematical Reasoning”**

1. About the Course:

The course is about quantitative aptitude that includes general arithmetic, simple commercial mathematics and everyday mathematics in our daily life. The mathematical logic and reasoning which are most important in various competitive examination are also including in the Course.

2. Why you need to study this Course? :

The importance of the course is lying on the fact that the knowledge of mathematics enhances one's understanding level and power of thinking. The knowledge of quantitative aptitude and mathematical reasoning makes a person skilful in the various fields of endeavour.

3. Objectives:

The objectives of the certificate course are

- (i) To provide fundamental/basic knowledge in quantitative aptitude and Mathematical reasoning.
- (ii) To enhance the problem solving capacity of the students.
- (iii) To prepare the students for various competitive examination including NET/ SLET/TET/ APSC/UPSC/ Banking /railway recruitment examinations etc.

4. Course outcomes:

The students who take this course will be able to:

- (i) Understand the basic concepts in arithmetic and reasoning.
- (ii) Solve problems in examinations as well as in daily life.
- (iii) Handle critical situation in business/ organisations and in other social environment.



5. Syllabus:

Certificate / Add-on Course on “Quantitative Aptitude and Mathematical Reasoning”

Syllabus

Course objectives:

The knowledge of quantitative aptitude and mathematical reasoning makes a person skilful in various endeavour of life. The objectives of the certificate course are

3. To provide fundamental/basic knowledge in quantitative aptitude and mathematical reasoning.
4. To enhance the problem solving capacity of the students.
3. To prepare the students for various competitive examination including NET/SLET/TET/ APSC/UPSC/ Banking /railway recruitment examinations etc.

Expected Learning Outcomes:

The students who take this course will be able to:

1. Understand the basic concepts in arithmetic and reasoning.
2. Solve problems in examinations as well as in daily life.
3. Handle critical situation in business/ organisations and in other social environment.

Total No. of Classes = 30

Each Class is of = 1 Hour


Total Teaching Hour= $1 \times 30 = 30$ Hours

UNIT-I: [Lecture: 20 hours]

- Number system, HCF and LCM, Decimal fraction, Square root, Average.
- Percentage, Profit and loss, Ratio and proportion, Partnership, Chain rule, Simple interest, Compound interest, Stocks and shares, Discount.
- Pipes and cisterns, Time and work, Time and distance, Problems on age, Calendar, Clocks

UNIT-II. [Lecture: 10 hours]

Analogy, classification, Number series, Letter series, Odd man out and series, Coding-decoding, Blood relations, Number-ranking-time sequence test, Sitting arrangement, syllogism.


HoD, Mathematics
Bikal College

Certificate Course on
“Quantitative Aptitude and Mathematical Reasoning”

Question Paper-II (MCQ Type)

(Each Question Carries 2 Marks)

Time: 2 Hours

Full Marks=50

1. A sum of money put at compound interest amounts in 2 years to ₹ 672 and in 3 years to ₹ 714. The rate of interest per annum is
(A) 5.5% (B) 6.0%, (C) 6.25%, (D) 6.75%
2. What is the annual income derived from ₹ 2500, 8% stock at 106
(A) ₹ 500 (B) ₹ 400, (C) ₹ 300, (D) ₹ 200
3. Pipe A can fill a tank in 30 hours and pipe B in 45 hours, if both the pipes are opened in an empty tank how much time will they take to fill it ?
(A) 20 hours (B) 18 hours (C) 16 hours (D) 15 hours
4. The persons A and B together can complete a piece of work in 15 days and B alone in 20 days, In how many days can A alone complete the work ?
(A) 70 days (B) 50 days (C) 80 days (D) 60 days
5. John can cover a certain distance in 1 hour 24 minutes by covering two-third of the distance at 4 kmph and the rest at 5 kmph, then the total distance covered by John is
(A) 7 km (B) 6 km (C) 8 km (D) 9 km
6. The age of father 10 years ago was thrice the age of his son. 10 years hence father's age will be twice that of his son. What is the ratio of their present age ?
(A) 7:4 (B) 7:5, (C) 7:6, (D) 7:3
7. What is the day of the week on 16th July, 1776 ?
(A) Tuesday (B) Thursday, (C) Saturday, (D) Sunday
8. What is the angle between the hour hand and the minutes hand of a clock when the time is 3.25

(A) $45\frac{1}{2}$ (B) $46\frac{1}{3}$, (C) $47\frac{1}{2}$, (D) $48\frac{1}{5}$

9. What is the wrong number in the following sequence

22, 33, 44, 55, 66, 88

(A) 22 (B) 88 (C) 55 (D) 77

10. In the question *FLOWER:REWOLF :: FRUITS : ?*

Select the related number from the following alternatives

(A) STUIRF (B) STUIFR (C) STIURF (D) *STRUIF*

11. Identify the odd one from the following groups of letters

(A) JN: QM (B) DH: WS (C) RV : IE (D) *PR : IJ*

12. Out of the following pair of words, which pair does not bear the common relationship which other bear .

(A) death - disease (B) milk- butter (C) grape-wine (D) water – electricity

13. Choose the last term of the series 58, 60, 63, 68, 75, 86, ?

A) 90 (B) 92 (C) 95 (D) 99

14. Choose the last term of the series 1, 2, 6, 15, 31, ?

A) 56 (B) 64 (C) 60 (D) 58

15. Choose the next two terms of the given series Z, S; W, O; T, K; Q, G; ?, ?

A) N, C (B) N, D (C) O, C (D) O, D

16. If in a code language CRACKS is written as DQBBLR, then how would SPROUT be written in that same code language?

A) TQSPVU (B) TOSNVS (C) TQSNVS (D) TOSNVU

17. If CUP = 40, then KITE = ?

A) 10 (B) 20 (C) 30 (D) 45

18. Directions: There are seven members of a family of three generations. A is mother of P. P is brother of G. K is married to G. S is a aunt of M. K is child of L and S is sister of K.

(i) If A is married to R, then how R is related to M ?

A) Grandfather (B) Brother-in-law (C) uncle (D) none of these

(ii) How S is related to G ?

A) Sister (B) Sister-in-law (C) Aunt (D) Mother-in-law

19. Six people P, Q, R, S, T and U are sitting around a circular table facing the centre. Q sits second to the right of T. R sits to the immediate left of T. U sits second to the right of S. Who sits third to the right of P ?

- A) S (B) R (C) T (D) Q

20. Which of the following fractions is the largest ?

- A) $\frac{7}{8}$ (B) $\frac{13}{16}$ (C) $\frac{31}{40}$ (D) $\frac{63}{80}$

21. Which of the following fractions is nearest to $\frac{2}{5}$?

- A) $\frac{4}{5}$ (B) $\frac{21}{50}$ (C) $\frac{20001}{50000}$ (D) $\frac{200001}{500000}$

22. In a herd of cows, the number of legs are 14 more than twice the number of heads, the number of cows in the herd is

- A) 5 (B) 7 (C) 10 (D) 12

23. In a party 15 people shake their hands with each other. How many times did the hand-shakes take place ?

- A) 105 (B) 120 (C) 135 (D) 165

24. The average of four consecutive even numbers is 27. What is the largest of these numbers ?

- A) 50 (B) 45 (C) 40 (D) 30

Answer MCQ-II: 1(C), 2 (B), 3(D), 5(B), 6(D), 7(A), 8(C), 9(B), 10(C), 11(D), 12(A), 13(D)
14(A), 15(A), 16(B), 17(D), 18(i)(A), 18(ii)(B), 19(A), 20(A), 21(D),
22(B), 23(A), 24(D)

Certificate Course on
“Quantitative Aptitude and Mathematical Reasoning”

Question Paper-I (MCQ Type)

(Each Question Carries 2 Marks)

Time: 2 Hours

Full Marks=50

1. The year 2021 is written in Roman numerals as
(A) DMXXI, (B) MMXXI, (C) MDXXI, (D) DDXXI
2. Which is the prime number in the following?
(A) 167, (B) 83, (C) 79, (D) All are prime
3. Which is the rational number in the following?
(A) Pi(τ), (B) Golden ratio (ϕ), (C) $\sqrt{9}$, (D) $\sqrt{3}$
4. A number is divisible by 11 if the difference between the sums of the digits in odd and even places respectively is
(A) a multiple of 3, (B) a multiple of 5, (C) Zero or multiple of 7, (D) Zero or multiple of 11
5. Which of the following number is multiple of 5 ?
(A) 923872, (B) 923972, (C) 923862, (D) 923962
6. If the sum of two numbers is 14 and their difference is 10, find the product of these two numbers?
(A) 18, (B) 20, (C) 24, (D) 22
7. What is the sum of the natural numbers from 1 to 100 ?
(A) 5050, (B) 6000, (C) 5000, (D) 5052
8. The ratio of two numbers is 3:4 and their HCF is 4. Their LCM is
(A) 12, (B) 16, (C) 24, (D) 48
9. The sum of two numbers is 216 and their HCF is 27. The numbers are
(A) 27, 189, (B) 81, 189, (C) 108, 108, (D) 154, 162

10. The greatest number that exactly divides 105, 1001 and 2436 is
 (A) 3, (B) 7, (C) 11, (D) 21
11. If the product of two numbers is 324 and their HCF is 3, then their LCM will be
 (A) 972, (B) 327, (C) 321, (D) 108
12. Six bells commence tolling together and toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes how many times do they toll together?
 (A) 4, (B) 10, (C) 15, (D) 16
13. The value of decimal fraction $\frac{36}{1000}$ is
 (A) 0.0036, (B) 0.036, (C) 0.36, (D) 36,
14. What decimal of an hour is a second?
 (A) 0.0025, (B) 0.0256, (C) 0.00027, (D) 0.00126
15. Which of the following fractions is nearest to $\frac{2}{5}$?
 (A) $\frac{4}{5}$, (B) $\frac{21}{50}$, (C) $\frac{20001}{50000}$, (D) $\frac{200001}{500000}$
16. $\sqrt{53824} = ?$
 (A) 202, (B) 232, (C) 242, (D) 332
17. $\sqrt{\frac{0.204 \times 42}{0.07 \times 3.4}}$ is equal to
 (A) $\frac{1}{6}$, (B) 0.06, (C) 0.6, (D) 6
18. The monthly incomes of five persons are ₹ 1132, ₹ 1140, ₹ 1144, ₹ 1136 and ₹ 1148 respectively. What is their arithmetic mean?
 (A) ₹ 1100, (B) ₹ 1120, (C) ₹ 1132, (D) ₹ 1140
19. The mean of 25 observations was found to be 78.4. But later on it was found that 96 was misread as 69. The correct mean is
 (A) 76.54, (B) 78.4, (C) 79.48, (D) 81.32
20. When the price of production was decreased by 10%, the number sold increased by 30%. What was the effect on total revenue?
 (A) increased by 17%, (B) decreased by 17%, (C) increased by 20%, (D) decreased by 20%

21. If the cost price is 96% of the selling price, then what is the profit percent?

(A) 5.50%, (B) 4.17%, (C) 6%, (D) 6.5%

22. If 20% of $(P+Q) = 50\%$ of $(P-Q)$, then find $P:Q$

(A) 7:4 (B) 7:5, (C) 7:6, (D) 7:3

23. Three persons A, B and C started a business by investing ₹ 120000, ₹ 1350000, ₹ 150000 respectively. Then the share of profit of A, B and C, out of an annual total profit ₹ 56700 is respectively

(A) ₹ 16800, ₹ 16900, ₹ 17000

(B) ₹ 16800, ₹ 18900, ₹ 20000 ,

(C) ₹ 16800, ₹ 18900, ₹ 21000

(D) ₹ 16800, ₹ 19900, ₹ 21000

24. If 36 men can do a piece of work in 25 hours, in how many hours will 15 men do it ?

(A) 50 (B) 60 (C) 70, (D) 40

25. The rate at which a sum becomes four times of itself in 15 years at simple rate of interest, will be

(A) 15%, (B) 20%, (C) 25%, (D) $17\frac{1}{2}\%$

Answer of MCQ: 1(B), 2 (D), 3(C), 4 (D), 5(A), 6(C), 7(A), 8(D), 9(A), 10(B), 11(D),
12(D), 13(B), 14(C), 15(D), 16(B), 17(D), 18(D), 19(C), 20(A), 21(B), 22(D),
23(C), 24(B), 25(C)

30- HOUR COURSE ON SOCIAL MOVEMENTS (BLENDED MODE)

**Organized by
Department of Political
Science Bikali College,
Dhupdhara**

**REGISTRATION BEGINS ON JANUARY 25TH, 2022
TIME: 5 PM - 6PM**

For details contact Rakhee Naiding (9642286274)
Course Coordinator,
Department of Political Science

To,

The Principal
Bikali College
Dhupdhara

Date:21.01.2022

Sub: Request for approval for Initiating an Add-on Course on Social Movement

(Through the Head, Department of Political Science)

Respected Sir,

I am writing to express my interest in initiating an Add-on Course on Indian Polity as course coordinator which will be offered by the Department of Political Science. The course will provide an introduction about Social Movements, various perspectives and dimensions associated with it, and its significance in contemporary times. Moreover, it will also help in developing critical thinking regarding the Tribal and Dalit Movements and the functioning of the Indian Federal Structure.

The duration of the course will be 30 hours duration and the course will be offered to both UG and PG students of this academic session.

The course objectives, outcomes, and syllabus are attached herewith.

I am hopeful that the introduction of this course will enrich the educational offerings of our institution as well as contribute to the professional development and career advancement of our students.

Thank you for considering this proposal and I look forward to your positive response.



Yours sincerely

Rakhee Naiding

(Course Coordinator)

Assistant Professor

Department of Political Science

Approved -

[Signature]

21/1/2022
PRINCIPAL
BIKALI COLLEGE
DHUPDHARA

Department of Political Science

Bikali College, Dhupdhara

Goalpara-783123

ADD-ON COURSE ON SOCIAL MOVEMENTS

Course Coordinator

Rakhee Naiding

Assistant Professor

Department of Political Science

Duration of the Course:30 hours

Course Objectives:

- i. The course seeks to provide an introduction about Social Movements, various perspectives and dimensions associated with it, and its significance in contemporary times.
- ii. It is also designed to introduce the theoretical perspectives and various approaches to study Social Movements.
- iii. To understand the issues and concerns of Tribal and Dalit Movements and its position in contemporary periods.

Course Outcomes:

- i. After completing the course, students will be better to understand the concept of social movement, its nature, components, theoretical perspectives, and the difference between social movements and New Social Movements.,
- ii. It will also help in developing critical thinking regarding the Tribal and Dalit Movements and the functioning of the Indian Federal Structure.

Unit I: Introduction to Social Movements (9 Lectures)

- Social Movements: Meaning and Nature (2 Lecture)
- Approaches to Study of Social Movements- Marxist, Liberal, Relative Deprivation (5 Lectures)
- Classification of Social Movements- Social Movements and New Social Movements (2 Lectures)

Unit II: Tribal Movements (13 Lectures)

- Tribal Movements in India: Issues and Concerns (3 Lectures)
- Tribal Movements in India: Pre and Post-Independence (5 Lectures)
- Indian Federal Structure and Autonomy Movements (4 Lectures)

Unit III: Dalit Movement (8 Lectures)

Readings:

- i. Ambedkar, B. R. 1979. 'Annihilation of Caste', Vol. I of Dr Ambedkar's Writings and Speeches. Bombay: Government of Maharashtra.
- ii. Ghosh, Biswajit. 2020. Social Movements Concepts, Experiences, and Concerns. SAGE Publications India Private Limited.
- iii. Jayal, Niraja Gopal. Mehta, Pratap Bhanu. 2011. The Oxford Companion to Politics in India. Oxford Publications.
- iv. Joshi, Barbara. 1986. Untouchables Voices of the Dalit Liberation Movement. London: Zed Books.
- v. Mahapatra, L. K. 1968. "Social Movements among Tribes in Eastern India with Special Reference to Orissa", Sociologus, New Series, 18(1): 46-63.
- vi. Shah, Ghanashyam. 2004. Social Movements in India (A Review of Literature). New Delhi: SAGE Publications India Pvt Ltd.
- vii. Shah, Ghanashyam. 2001. Social Movements and the State. SAGE India.
- viii. Vidyarthi, L. P. 1969. 'Tribal Situation in India: An Appraisal of the Leadership Pattern among the Tribes of Bihar', Seminar on the Tribal Situation in India. Simla: Indian Institute of Advance Study.
- ix. Wallace, A. P.C. 1956. "Revitalization Movements", American Anthropology, 58: 50-66.

Assessment & Evaluation: Assignment and Group Discussion

Examination: The final examination will be on MCQ based and Marks distribution will be on the following patterns

Total marks: 50

- i. Group discussion 20
- ii. Assignment 10
- iii. Exam (MCQ) 20

2022

Final Examination

Add-on Course

Social Movements

Department of Political Science

Full Marks: 20

Time: 1 hour

1. Choose the Correct answer from the following: 1x20=20
- a. Which of the following is not a component of Social Movements?
 - i. Objectives ii. Ideology iii. Leadership iv. Non-cooperation
 - b. Which of the following is not associated with the Marxist Approach?
 - i. Bringing about a revolutionary change in society, towards a socialist system.
 - ii. The causes for Social Movements are located in the economic structure of society.
 - iii. They ignore the history of the masses.
 - c. The supporter of the liberal Approach to Social Movements believes that – “Mass movements are the product of mass societies which are extremist and anti-democratic”, (Yes/No).
 - d. Which of the following is not an example of New Social Movements?
 - i. Women’s Movements ii. Peasant Movements iii. Environmental Movements
 - e. The core issues of Tribal Movements in India are
 - i. Identity ii. Autonomy iii. None of the above iv. All the above
 - f. Who authored the book “Silent Spring”?
 - i. Frank Thone ii. Raymond L. Bryant iii. Rachel Carson iv. Roy Rappaport

g. Name the movement which aims to bring about a change in the personal consciousness and action of its individual members

I. Redemptive Social Movement

ii. Reformist Social Movement

iii. Revolutionary Social Movement

iv. Social Movement

h. What is the main objective of the Socio-reform movement?

i. To Change system of the country

ii. To remove social evils from the society

iii. To throw the existing system out of power

iv. None of these

j. A Social Change and Development in India's _____ requires sustained collective action over time. Such action is often directed against the state and takes form of demanding changes in state policy or practice.

- i. Social Movements ii. Economic Movement iii. political Movement iv. Cultural Movement

k. From where in India the Naxalite movement was first started?

i. Jharkhand ii. Mizoram iii. Chhattisgarh iv. Bengal

l. When did the Naxalite Movement in India start?

i. 1962 ii. 1970 iii. 1967 iv. 1948

m. Who wrote the book "The Annihilation of Caste"?

i. Mahatma Gandhi ii. Raja Rammohun Roy iii. Dr. D.R. Ambedkar

n. What is the feature of the Reformatory Movement?

i. To bring reform in the ancient social system

ii. The speed of reformatory movement is very slow

- iii. Peaceful methods are always used in it.
- iv. All of these
- o. Who led the “Santhal Rebellion”?
 - i. Sidho Kanho ii. Kariya Munda iii. Jatra Bhag iv. Birsa Munda
- p. In which period the “Tribal Autonomous Movement” in India was growth?
 - i. 1950s ii. 1960s iii. 1970s. 1980s
- q. Which of the following is an example of a Social Movement?
 - i. A political party seeking power
 - ii. A charity organization providing aid to the needy
 - iii. A group of activists advocating for climate change policy
 - iv. A Company seeking to increase its profits
- r. The main issues around which most of the Dalit movements have been centered in the colonial and post-colonial periods are confined to the problem of untouchability.
(True/False)
- s. In which year did the Dalits demand a separate electorate which led to a conflict between Ambedkar and Gandhi?
 - i. 1960s. ii. 1940s iii. 1930s iv. 1980s
- t. Which of the following Political Parties were formed by Ambedkar?
 - i. Independent Labour Party & Scheduled Caste Federation
 - ii. Bohujan Samajbadi Party & Dalit Party
 - iii. BJP and TDP
 - iv. All the above

To, 18.1.2022
The Principal
Bikali College, Dhupdhara.

Sub: Request for approval for initiating Add-on Course in Presentation Skills.

Respected Sir,

With reference to the subject cited above, the Department of English would like to initiate an add-on course on Presentation Skills with Rajlakshmi Hazarika, HOD as the Course coordinator. The course will be highly beneficial to the students as it has been observed that majority of them are shy and lacking in confidence when it comes to their presentation and speaking in public.

The duration of the course will be for 30 hours.

The course objectives, outcomes and syllabus are attached herewith.

I am hopeful that the introduction of this course will make them efficient and proficient in presenting themselves in front of others and make them confident to face any situation without any hesitation,

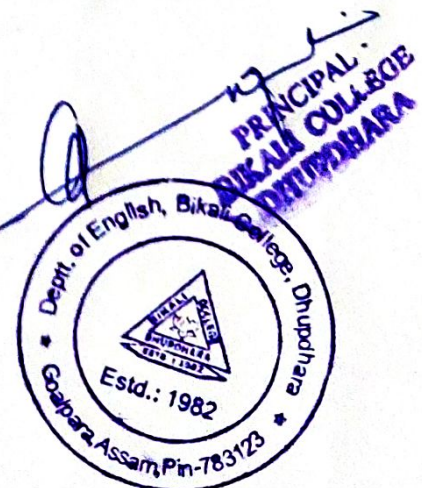
Additionally following are the requirements for the programme with a proposed budget

Thank you this for considering this proposal and giving us a positive response.

Yours sincerely

Rhazarika

(Course coordinator)
Head, Dept. of English
Bikali College, Dhupdhara



ADD-ON COURSE

IN

PRESENTATION SKILLS

(30 Hours)

Course Coordinator: Rajlakshmi Hazarika

Introduction to the Course:

The course on Presentation Skills is designed to equip students with the techniques and strategies to deliver effective, engaging and impactful presentations. For anybody looking to enhance their communication abilities, the course will provide with the tools needed to succeed.

The syllabus typically covers a wide range of topics aimed at equipping participants with the knowledge and skills necessary to excel in delivering effective presentations.

Unit 1: Introduction to Presentation Skills

- Understanding the importance of presentation skills.
- Different types of presentations (e.g., informative, persuasive, instructional)
- Identifying audience needs and expectations

Unit 2: Planning and Structuring Presentations

- Crafting clear and concise objectives for presentations
- Structuring presentations (e.g., introduction, body, conclusion)

Unit 3: Visual aids and Multimedia

- Design principles for creating compelling visual aids (e.g., slides, charts, graphs)
- Incorporating multimedia elements to enhance presentation skills

- Ensuring accessibility and readability of visual aids.

Unit 4: Delivery techniques/ Presenting yourself

- Practise speaking, prepare effectively
- Receive feedback
- Active listening tasks
- Non-verbal communications (body language, postures, voice modulation)

Unit 5: Final Presentation and Certification

- Final presentation by participants, applying skills learnt throughout the course
- Evaluation and assessment of final presentations
- Awarding of certificates to participants who successfully complete the course.

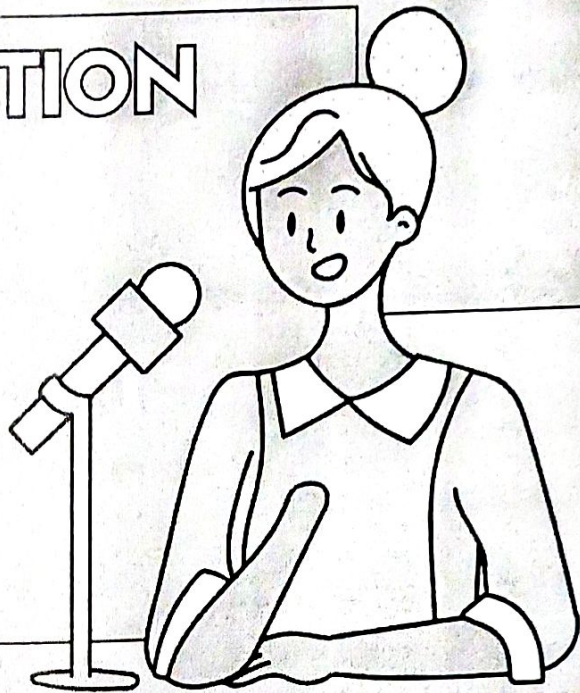
(Eligibility: All students pursuing UG or PG courses in Bikali College are eligible for the course)

N.B. Regular assignments will be given to the students after the completion of each unit. Final Test of 10 Marks will be conducted at the end of the course.



PRESENTATION SKILLS

English
Presentation



ADD-ON COURSE

IN

PRESENTATION SKILLS

DEPARTMENT OF ENGLISH, BIKALI COLLEGE

DHUPDHARA, GOALPARA, ASSAM

PIN: 783123



Rhazorika
Head, Dept. of English
Bikali College, Dhupdhara

DEPARTMENT OF ENGLISH
OFFERS
A 30 HOURS COURSE IN
PRESENTATION SKILLS



For details contact
Rajlakshmi Ravarika
Ph: 9436119289

Learn to talk for confidence and beautiful presentations

Presentation Skills are essential for a successful personal and professional life. Unlike traditional outlook, these skills are critical in a variety of diverse range of jobs. Since the college is situated in a rural tribal area, students here lack the confidence to present whatever is there in their mind and connect with the people they are trying to communicate. The goal is to empower participants to convey their messages with clarity, confidence and impact. The 7 P's of presentation skills-

- Purpose,
- People,
- Preparation,
- Planning,
- Power-Point,
- Performance and
- Practice will be dealt with.

Objectives

The Presentation Skills add-on course will

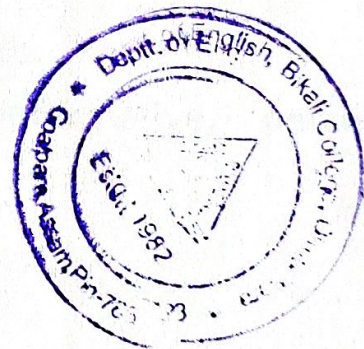
- Prepare participants to speak with greater control and confidence in front of others
- Guide them for choosing the right amount of information to share with different types of audience groups
- Suggest strategies for engaging audiences
- How to organize contents, make use of visual aids and technology
- Identify best practices for creating slides
- Deliver confident introduction and conclusion
- Implement techniques for varying vocal tones and body language
- Conduct effective question –and –answer sessions
- Understand the fundamentals of effective presentation design and delivery.



Outcomes:

Opening an add-on course in Presentation Skills can lead to several positive outcomes:

1. **Improved communication skills:** Participants develop stronger verbal and non-verbal communication skills, enhancing their ability to convey ideas effectively
2. **Increased Confidence:** Through practice and feedback, participants gain confidence in public speaking.
3. **Enhanced Career Opportunities:** It can open up opportunities for career advancement and leadership roles.
4. **Better Academic Performance:** Students can apply their presentation skills to their academic pursuits, improving their ability to deliver clear and engaging presentations in coursework and research.
5. **Personal Development:** Participants develop skills in persuasion, critical thinking and organization, which can benefit them in various aspects of their personal and professional lives.



ADD-ON COURSE
IN
PRESENTATION SKILLS
(30 Hours)

Course Coordinator: Rajlakshmi Hazarika

Introduction to the Course:

The course on Presentation Skills is designed to equip students with the techniques and strategies to deliver effective, engaging and impactful presentations. For anybody looking to enhance their communication abilities, the course will provide with the tools needed to succeed.

The syllabus typically covers a wide range of topics aimed at equipping participants with the knowledge and skills necessary to excel in delivering effective presentations.

Unit 1: Introduction to Presentation Skills

- Understanding the importance of presentation skills.
- Different types of presentations (e.g., informative, persuasive, instructional)
- Identifying audience needs and expectations

Unit 2: Planning and Structuring Presentations

- Crafting clear and concise objectives for presentations
- Structuring presentations (e.g., introduction, body, conclusion)

Unit 3: Visual aids and Multimedia

- Design principles for creating compelling visual aids (e.g., slides, charts, graphs)
- Incorporating multimedia elements to enhance presentation skills

- Ensuring accessibility and readability of visual aids.

Unit 4: Delivery techniques/ Presenting yourself

- Practise speaking, prepare effectively
- Receive feedback
- Active listening tasks
- Non-verbal communications (body language, postures, voice modulation)

Unit 5: Final Presentation and Certification

- Final presentation by participants, applying skills learnt throughout the course
- Evaluation and assessment of final presentations
- Awarding of certificates to participants who successfully complete the course.

(Eligibility: All students pursuing UG or PG courses in Bikali College are eligible for the course)

Regular assignments will be given to the students after the completion of each unit.

Final Test of 10 Marks will be conducted at the end of the course.



Model Question Papers

Presentation Skills

Marks : 20

Prepare and deliver a 5-minute presentation on a topic of your choice. Your presentation should include the following elements:

- 1. An engaging introduction*
- 2. Clearly organized main points*
- 3. Use of at least one visual aid*
- 4. A strong conclusion .*

You will be evaluated based on –

Clarity and organization of content

Delivery (eye contact, voice modulation, body language)

Effective use of visual aids

Engagement with the audience.

Add-On Course

**On
Presentation Skills**

Marks : 20

Develop a detailed outline for a 10-minute presentation on a topic related to your field of study. Include the following:

- *Title and objective of the presentation*
- *Introduction*
- *Main points and sub-points*
- *Conclusion*



CERTIFICATE OF COMPLETION



This is to certify that

has successfully completed a course in Presentation

Skills conducted by the Department of English, Bikali College, Dhupdhara

from January 25 to March 4, 2022

Principal
Bikali College

Course Coordinator
Dept. of English

HoD
Dept. of English

