

GONDIA EDUCATION SOCIETY'S

MANOHARBHAI PATEL COLLEGE OF ARTS, COMMERCE & SCIENCE

SADAK ARJUNI, GONDIA-441807

(AFFILIATED TO R.T.M.NAGPUR UNIVERSITY)



Cycle-1

**Assessment & Accreditation by
NAAC**

**CRITERION I:
CURRICULAR ASPECTS**

QnM-1.1.1: The Institution ensures effective curriculum delivery through a well planned and documented process

Gondia Education Society's



Estd. 2009

MANOHARBHAI PATEL COLLEGE OF ARTS, COMMERCE & SCIENCE

SADAK ARJUNI, Dist. Gondia.(Maharashtra) 441807

Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur

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Ref.No. MBPCI/ ³³⁶ 12022023

Date : 28/02/2023

Declaration

The information, reports, true copies of the supporting documents, numerical data, etc. furnished in this file is verified by IQAC and found correct.

Hence this certificate.

Mr. A. M. Patil
IQAC Coordinator
Manoharbai Patel College
Sadak Arjuni



Dr. A. S. Dwivedi
Chairman IQAC and Principal
Manoharbai Patel College
Sadak Arjuni

Session 2017-18



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR
Gondia Education Society's
Manoharbhai Patel College of Arts, Commerce & Science
Sadak Arjuni, Dist. Gondia-441807

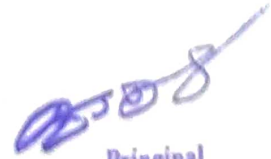
Date: 05/07/2017
Wednesday

To
The Principal
MB Patel College of Arts commerce & Science College,
Tal. Sadak Arjuni
Dist. Gondia

Sub: Proposal for Bridge Course in Commerce

Respected Sir,
With reference to above subject, the departments of Commerce propose to organize a Bridge Course in commerce from academic year 2017-18. The Course duration is of 15 hours spread over 06 weeks (5 periods per week of Half-an-Hour) specially designed for the newly enrolled Under-Graduate students. A detailed proposal is enclosed herewith the letter we request you to kindly sanction the proposal and provide financial support to conduct course.


Yours Faithfully
Department of Commerce


Principal
Manoharbhai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807



Course Proposal

Name of Courses	Bridge Courses in Commerce
Course Coordinator	Asst. Prof. Vishakha Wagh
Duration	06 Week (total 15 hours ,2&half hours per week)
Eligibility	12 th Pass and enrolled in First Year Program
Fees	Not Required Free

About Bridge Course


Commerce is such a Program where students from various streams can enroll, be it from science or arts. University itself has designed the syllabus in such a manner to make it easily understandable to all. Despite, the bridge course is design by the department to make students comfortable & feasible to the Commerce program so as to create interest & curiosity among the students for other commerce subjects.

Objectives:

- To create confidence and make them think about future prospects with commerce field.

Methodology:

1. There are overall five modules of Bridge course namely Commerce, Accounting, Economics, Business Management and Income Tax.
2. The class will be of half-an-hour.
3. Test will be conducted at the end of the course.
4. Language of teaching will be Marathi, Hindi & English


Principal
Manoharbhai Patel Arts, Commerce
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RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

Gondia Education Society's

Manoharbhairav Patel College of Arts, Commerce & Science

Sadak Arjuni, Dist. Gondia-441807

Syllabus Bridge Course

Department of COMMERCE

Year 2017-2018

Module 1: Commerce

- Concepts of various terms used in Commerce.
- Introduction, definition, importance, meaning of Commerce, Business, Industry - trade, branches of commerce.

Module 2: Accounting

- Concept of various terms used in Accounting.
- Introduction, definition, meaning, need, advantages of accounting, Journal entries, ledger entries and accounting statements and formats.

Module 3: Economics

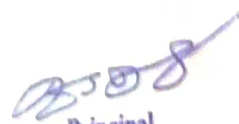
- Basic concept & terms used in economics.
- Demand and supply concept.
- Concepts of market, banking, international trade.

Module 4: Business

- Concepts of Business .
- Concepts of Management.
- Concepts of Organization.

Module 5: Income tax

- Concepts of tax & various terms used in tax.
- Income tax authority.
- Canons of taxation.
- IT returns filing.


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Manoharbhairav Patel Arts, Commerce
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Time Table for Bridges Courses Students

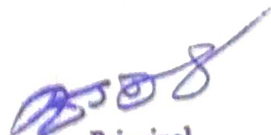
Year 2017-2018

Department of Commerce

Theory Time Table

Time: - 10.00 a.m to 10.30 a.m (Morning)

Sr.No.	Days	Subjects
1	Monday	Commerce
2	Tuesday	Accounting
3	Wednesday	Economics
4	Thursday	No class
5	Friday	Business management
6	Saturday	Income tax


Principal
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Sadak Arjuni, Dist. Gondia-441807

List of Students in Bridges Courses
Department of COMMERCE
Year 2017-2018

Sr.No.	Name of Students	Class enrolled
1	Ashwin Tarbabu Mele	B.Com
2	Bapudas Dudhram Mohurle	B.Com
3	Bharat Bhaiyalal Sonule	B.Com
4	Chunnilal Bhojraj Raut	B.Com
5	Dhiraj Vishwanath Nirwan	B.Com
6	Hitesh Ratiram Kumbare	B.Com
7	Ishant Umesh Lothe	B.Com
8	Khomesh Vikash Khotale	B.Com
9	Dhanshri Prakash Doye	B.Com
10	Laxmi Devnath Waghade	B.Com
11	Monika Jagdish Kapgate	B.Com
12	Nikita Manohar Gobade	B.Com
13	Nilofar Kalam Pathan	B.Com
14	Shital Ashok Hatzade	B.Com


Principal
Manoharbai Patel Arts, Commerce



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Gondia Education Society's
Manoharbai Patel College of Arts, Commerce & Science
Sadak Arjuni, Dist. Gondia-441807

Department of COMMERCE

Attendance Register
Bridges Course 2017-2018

August

Sr.No.	Name of Students	1	2	3	4	7	8	9	10	11	14	18	21	22	23	24
1	Ashwin Tarbabu Mele	P	P	P	P	P	A	P	P	A	P	P	P	A	P	A
2	Bapudas Dudhram Mohurle	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Bharat Bhaiyalal Sonule	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A
4	Chunnilal Bhojraj Raut	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P
5	Dhiraj Vishwanath Nirwan	P	P	P	A	P	P	A	P	P	P	P	P	A	P	P
6	Hitesh Ratiram Kumbare	P	P	A	A	P	A	P	A	P	P	P	P	P	P	P
7	Ishant Umesh Lothe	P	P	P	P	P	P	A	P	A	P	P	P	P	P	A
8	Khomesh Vikash Khotale	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
9	Dhanshri Prakash Doye	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A
10	Laxmi Devnath Waghade	P	P	A	P	P	P	P	A	A	P	P	P	P	A	P
11	Monika Jagdish Kapgate	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P
12	Nikita Manohar Gobade	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A
13	Nilofar Kalam Pathan	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
14	Shital Ashok Hatzade	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P

Principal
Manoharbai Patel Arts, Commerce
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Sadak Arjuni, Dist. Gondia-441807

Department of COMMERCE
Test Papers

2017-18

Note

1. All questions are compulsory सर्व प्रश्न अनिवार्य आहेत
2. All questions carries out of 20 marks सर्व प्रश्नांना 20 पेकी गुण आहेत
3. Put your own words तुमच्या स्वतःच्या शब्दात लिहा

Test Paper of Module 1 Commerce (Put Your answer in 50 words)

Ques1. What is Commerce?

Quest2. What is Trade?

Ques3. What is Business?

Ques.4 What is Industry?

Test Paper of Module 2 Accounting (Put Your answer in 50 words)

Ques1. Differentiate between Profit & Loss.

Quest2. What do you mean by accounting?

Ques3. Give three examples of Journal Entries.

Ques.4 Why do we prepare accounting statements



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Test Paper of Module 3 Commerce (Put Your answer in 50 words)

Ques1. Why economics is important?

Ques2. What is Demand and supply?

Ques3. Write types of Market.

Ques.4 What is Banking?

Test Paper of Module 4 Business Management (Put Your answer in 50 words)

Ques1. Write Notes on:

1. Business
2. Management
3. Organization

Ques.2 Write brief note on any two national & international Businesses.

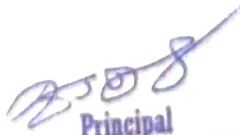
Test Paper of Module 5 Commerce (Put Your answer in 50 words)

Ques1. What is Direct Tax?

Ques2. What is Indirect Tax?

Ques3. What do you mean by income tax authority?

Ques.4 What is IT filing?


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Gondia Education Society's

Manoharbhair Patel College of Arts, Commerce & Science

Sadak Arjuni, Dist. Gondia-441807

Department of COMMERCE

Bridge Course Report

2017-2018

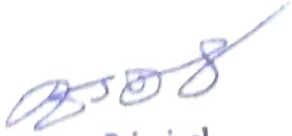
Every year at the beginning of the new academic year, we organize bridge courses on behalf of our department for the fresh admission students be it of any faculty. This year also we started this course from dated 01/08/2017. Its detailed report is as follows:

We have started this course in the department for those who have entered the first year of the B.COM. and did not had COMMERCE as a subject before. The course is of six weeks started from 01 of August 2017 & ended on 8th of September 2017. August is month of religious holidays, despite the course was completed on time by taking half an hour more and by starting the class at 9.30a.m instead of 10.00a.m. 14 students enrolled into the course, all from B.Com .

Importance of Commerce in daily life and the concept and the names of various terms used or called in Commerce, are certain text thought in the bridge course. A test of 20 marks was taken on 4th, 5th, 6th, 7th and 8th of September 2017. The test was on descriptive format containing four questions. Students were instructed to write the matter in their own words & not in bookish language. Though the students did well in exam but they need to learn writing of their own.

In this way we successfully implemented this course in the year 2017-18. For this, the course coordinator of the Department, Asst.Prof. Vishakha Wagh worked hard along with her two co teachers Mr. Prafull Nawkhare and Miss Divya Srivas.

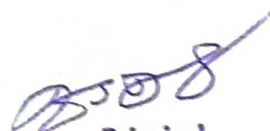

Yours Faithfully


Principal
Manoharbhair Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807

Feedback on Bridge Courses 2017-2018
Analyzed Report of Students Feedback
Department of COMMERCE



Sr. No	Index	Strongly Agree	Agree	Partially Agree	Disagree	Strongly Disagree
1	Course syllabus is good अभ्यासक्रमाचा अभ्यासक्रम चांगला आहे	60%	20%	20%	-	-
2	Concept of all terms are cleared सर्व मुद्द्यांची संकल्पना समजली आहे	25%	50%	25%	-	-
3	Teaching is good शिकवणे चांगले आहे	4%	75%	21%	-	-
4	Future in commerce stream will be bright वाणिज्य शाखेतील भविष्य उज्ज्वल असेल	79%	15%	6%	-	-
5	Opportunities for higher education उच्च शिक्षणाच्या संधी आहेत	100%	-	-	-	-


Principal
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Department of ZOOLOGY

MB Patel College of Arts commerce & Science college

Tal. Sadak Arjuni Dist Gondia

To

Hon.,Principal

MB Patel College of Arts commerce & Science College Sadak Arjuni

Tal Sadak Arjuni Dist Gondia

Sub: Proposal for Bridge Course in ZOOLOGY

Respected Sir,

With reference to above subject, the Departments of Zoology wish to organize a Bridge Course in zoology from academic year 2017-18. The Course duration is of 16 clock hours spread over 08 weeks (2 period per week) course is specially designed for the UG students will participate in the course. A detailed proposal is enclosed herewith this letter we request you to kindly sanction the permission and financial support to conduct course.

Yours Faithfully

Department of Zoology



Course Proposal:

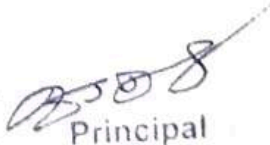
Name of Courses	Bridge Courses in Zoology
Courses Coordinator	Mr.Nilesh D Gorghate
Duration	08 Week (total 16 o clock hours ,2 hours per week)
Eligibility	Students do this courses simultaneously with graduation
Fees	Not Required Free

Objectives of the Course:

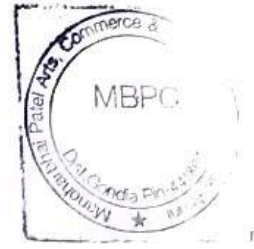
Give students the confidence and skills to successfully transition to college and new curriculum.

Methodology

A Curriculum is framed separately in each of the subjects, for Bridge Course. During the first week after the commencement of the classes, the bridge course curriculum is delivered to the students in various disciplines. A post bridge course test is conducted after the completion of bridge course syllabus to assess the ability of student's suggestions is given to students for improvisation.


Principal
Manoharbhai Patel Arts, Commerce
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Dist.Gondia, Pin Code-441807.

DEPARTMENT OF Zoology



Bridge Courses

"The essence of education lies in drawing out the very best that is in you."

A bridge course for newly admitted students is conducted every year before the commencement of the first semester classes. The main objective of the course is to bridge the gap between subjects studied at Pre-university level and subjects they would be studying in Graduation. The syllabus for the course is framed in such a way that they get basic knowledge on the subjects which they would be learning through graduation.

Objectives:

Give students the confidence and skills to successfully transition to college and new curriculum.

Methodology:

A Curriculum is framed separately in each of the subjects, for Bridge Course. During the first week after the commencement of the classes, the bridge course curriculum is delivered to the students in various disciplines. A post bridge course test is conducted after the completion of bridge course syllabus to assess the ability of student's suggestions is given to students for improvisation.

List of Students in Bridges Courses Year 2017 -2018

Sr.No.	Name of Students	Class
1	B. R. Dhanbate	F.Y.B.Sc
2	D. O. Shahare	F.Y.B.Sc
3	J. J. Naik	F.Y.B.Sc
4	K. H. Raut	F.Y.B.Sc
5	N. M. Bisen	F.Y.B.Sc
6	P. R. Taram	F.Y.B.Sc
7	S. Z. Shende	F.Y.B.Sc

Principal
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& Science College, Sadak Arjuni

Syllabus for the students in Bridge Courses

Department of Zoology

Year 2017-2018



1] Cell structure and Organization

- Definition ,Discovery ,Concept of Cell
- Type of Cell : Prokaryotic and Eukaryotic Cell
- Structure of Prokaryotic Cell and Cell Organelle
- Structure of Eukaryotic Cell and Cell Organelle
- Cell Division :Mitosis and Meiosis

2] Systematics of Living Organism

- Taxonomy :Definition Concept
- Type of Taxonomy
- Taxonomic Rank
- Five Kingdoms
- Study of Animal Kingdom :Class of Animal Kingdom

3] Basic and Fundamental Biochemistry:

- Carbohydrates :Definations ,Types of Carbohydrates with Example and Structure
- Protein :Defination Types of Protein with examples
- Nucleic Acids :Components Type of Nucleic acid with Structure of DNA and RNA.
- Lipids :Definations Types of Lipids with examples.
- Vitamins :Types of Vitamins, Source ,Deficiency Diseases
- Minerals examples and Function

4] Animal Tissue

- Definition ,Concept ,Types of Animal Tissue
- Simple Epithelial tissue, Definition, types of Protein with examples.
- Connective Tissue :definition ,Types of Connective Tissues

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- Muscular Tissues :definition ,types of muscular stress
- Nervous Tissue structure of neuron, function.

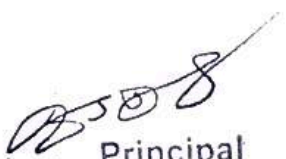


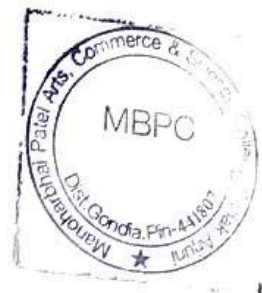
5] Anatomy and Physiology

- Digestive System
- Respiratory System
- Excretory System
- Nervous System
- Circulatory System
- Reproductive System

6] Endocrinology Defination of gland and types of gland

- Pituitary Gland
- Thyroid Gland
- Adrenal Gland
- Gonads Hormone of Testis and Ovary


Principal
Manoharbhai Patel Arts, Commerce
& Science College, Sadak Arjuni
Dist. Gandhinagar, Pin Code-441807.



Time Table for Bridges Courses Students

Year 2017-2018

Department of Zoology

Theory Time Table

Sr.No	Time (Morning)	Mon	Tue	Wed	Thu	Fri	Sat
		BSC I	BSC I	BSC I	BSC I	BSC I	BSC I
1	8.00 to 8.50	NDG	NDG	NDG	NDG	NDG	NDG
2	8.50 to 9.40	BP	BP	BP	NDG	NDG	BP
3	9.40 to 10.30	BP	NDG	NDG	BP	NDG	BP
4	10.30 to 11.20	NDG	BP	BP	BP	NDG	BP

NDG : Mr.Nilesh D Gorghate

BP: Mr. Bhaskar Parvate

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MCQ (ZOOLOGY)



1. Acrosome in spermatozoa develops from
 - a. Mitochondria
 - b. Centrioles
 - c. Golgi bodies
 - d. Vacuoles

2. Head, middle piece and tail these are the parts of matured _____
 - a. Spermatogonia
 - b. Sperms
 - c. Eggs
 - d. Primary spermatocytes

3. The process of development of egg in ovary is called _____
 - a. Ovulation
 - b. Oogenesis
 - c. Ovarian development
 - d. None of the above

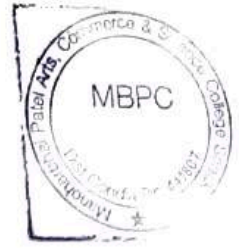
4. Primary oocyte which undergoes meiosis process is _____
 - a. Diploid
 - b. Haploid
 - c. Polyploid
 - d. None of the above

5. The process of formation and deposition of yolk in the oocyte is called _____
 - a. Vitellogenesis of egg
 - b. Maturation of egg
 - c. Growth of egg
 - d. Ovulation of egg

- 6) Attachment of embryo to the wall of the uterus is known as.....
 - a) fertilization
 - b) gestation
 - c) cleavage
 - d) implantation

- 7) Test tube baby technique is called.....
 - a) In vivo fertilization
 - b) In situ fertilization
 - c) In vitro fertilization
 - d) Artificial insemination

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MCQ (ZOOLOGY)

8) When our brain sense the shortage of O₂, it send a message to CNS to imbalance to O₂ demand and trigger us to:

- (a) Snore
- b) Hiccups
- (c) Sneeze
- (d) Yawn

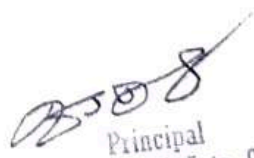
9) Lowest category in the taxonomy _____

- a) Phylum
- b) Class
- c) Kingdom
- d) Species

10) DNA synthesis take place in _____

- a) S phase
- b) M phase
- c) Prophase
- d) Interphase

Q . No.	Answer	Q . No.	Answer
1	C	6	D
2	B	7	C
3	B	8	D
4	A	9	D
5	B	10	A


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Gondia Education Society
MB PATEL COLLEGE OF ARTS COMMERCE AND SCIENCE SADAK ARJUNI



Tal Sadak arjuni Dist Gondia

Department of BOTANY

Attendance Register

Bridges Courses 2017-2018

Sr.No	Name of Students	Date	01/08	07/08	08/08	14/08	21/8	22/8	29/8
1	B. Dhanbate		P	P	P	P	P	P	P
2	D. Sahare		P	P	P	P	P	P	P
3	J. Naik		P	P	P	P	P	P	P
4	K. Raut		P	P	P	P	P	P	P
5	L. Raut		P	P	P	P	P	P	P
6	N. Bisen		P	P	P	P	P	P	P
7	P. Taram		P	P	P	P	P	P	P
8	S. Shende		P	P	P	P	P	P	P
9	C. Pusam		P	P	P	P	P	P	P
10	S. Bhalakade		P	P	P	P	P	P	P
11	S. Raut		P	P	P	P	P	P	P
12	J. Ganvir		P	P	P	P	P	P	P
13									
Signature			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
 Principal
 Manoharbhai Patel Arts, Commerce
 & Science College, Sadak Arjuni
 Dist. Gondia, Pin Code-441307.

Gondia Education Society's
MB PATEL College of Arts, Commerce and Science College, Sadak Arjuni

Department of Zoology

Bridge Course Report



2017-2018

Every year at the beginning of the new academic year, we organize bridge courses on behalf of our department for the students from another faculty. This year also we started this course from dated 01/08/2017. Its detailed report is as follows. we have started this course in the department for those who have entered the first year of the B.Sc. and have not had chemistry as a subject before. For this, we selected students in class XII who did not belong to the Faculty of Science and whose was not the subject. We have prepared this course for a total of 16 hours from 01 of August to 02 of October. A total of 09 students had participated in this course this year. In it we mainly teach the basics of Zoology. That every Zoology student should know. Accordingly, we explained to the students what is meant by Zoology, its nature, scope, importance, and need for Zoology. We took a 20 mark examination of all these students on 03 October 2017 and based on that we tested the basic knowledge of the students and through this course we proved to the students how important Zoology is as the main subject. All the 20 students completed this course with good marks. Through this course, we paved the way for those who were not previously subject to English and brought them into the mainstream by guiding them through this bridging course on how to gain momentum in the study of chemistry. This is the main purpose of this course. In this way we successfully implemented this course in the year 2017-18. For this, the course coordinator of the Zoology Department, Asst. Prof ND Gorghate worked hard. In order to make the course successful helps and time to time provided guidance and interaction with the new students. Through this course, the mental strength or other faculty students was raised and the joy and excitement of participating in the Zoology family was created in them. He got basic knowledge of chemistry through this course. In this way the course was completed. For your information, we are presenting the report of Bridge Course. Thank you.

Yours Faithfully

Feedback on Bridge Courses 2017-2018

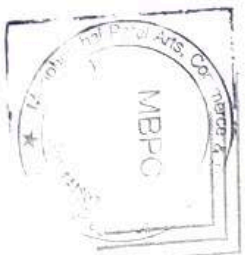
Analysis Report of Students

Department of Zoology



Sr. No	Index	Strongly Agree	Agree	Partially Agree	Disagree	Strongly Disagree
1	Current syllabus is good for skill development and employability	85%	10%	05%	00%	00%
2	It increases social awareness moral values	80%	10%	10%	00%	00%
3	It enhance thirst for learning and helps in overall personality development	90%	05%	05%	00%	00%
4	It fulfills the demands of higher education	90%	0.5%	05%	00%	00%
5	It promote environmental awareness and cultural harmony	85%	10%	05%	00%	00%
6	It promotes researchability	80%	10%	10%	00%	00%
7	It represent social scenario	50%	00%	10%	00%	00%

Principal
Manoharbhay Patel Arts, Commerce
& Science College, Sadak Arjuni
Dist.Gondia,Pin Code-441307.



Gondia Education Society's
M. B. PATEL ARTS, COMMERCE & SCIENCE COLLEGE, SADAK ARJUNI

CERTIFICATE

This is certify that _____ student of
F.Y.B.Sc has participated in bridge course organized by the Department of Zoology
during academic year _____

Coordinator

Head of the department


Principal

Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni



Department of Chemistry

Manoharbai Patel College of Arts commerce & Science College

Tal. Sadak Arjuni Dist Gondia

To,

Hon., Principal

MB Patel College of Arts commerce & Science College Sadak Arjuni

Tal Sadak Arjuni Dist Gondia

Sub: Proposal for Bridge Course in Chemistry

Respected Sir,

With reference to above subject, the Departments of Chemistry wish to organize a Bridge Course in Chemistry from academic year **2017-2018**. The Course duration is of 16 clock hours spread over 08 weeks (2 period per week) course is specially designed for the UG students will participate in the course. A detailed proposal is enclosed herewith this letter we request you to kindly sanction the permission and financial support to conduct course.

Yours Faithfully

Mr. Chandrakant V. Bisen

Department of Chemistry

Principal
**Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807**



Course Proposal:

Name of Courses	Bridge Courses in Chemistry
Courses Coordinator	Mr.Chandrakant V. Bisen
Duration	08 Week (total 16 o clock hours ,2 hours per week)
Eligibility	Students do this courses simultaneously with graduation
Fees	Not Required Free

Objectives of the Course:

Give students the confidence and skills to successfully transition to college and new curriculum.

Methodology

A Curriculum is framed separately in each of the subjects, for Bridge Course. During the first week after the commencement of the classes, the bridge course curriculum is delivered to the students in various disciplines. A post bridge course test is conducted after the completion of bridge course syllabus to assess the ability of student's suggestions is given to students for improvisation.

Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Aijuni,
Dist. Gondia, Pin Code - 441807



DEPARTMENT OF CHEMISTRY

Bridge Courses

"The essence of education lies in drawing out the very best that is in you."

A bridge course for newly admitted students is conducted every year before the commencement of the first semester classes. The main objective of the course is to bridge the gap between subjects studied at Pre-university level and subjects they would be studying in Graduation. The syllabus for the course is framed in such a way that they get basic knowledge on the subjects which they would be learning through graduation.

Objectives:

Give students the confidence and skills to successfully transition to college and new curriculum.

Methodology:

A Curriculum is framed separately in each of the subjects, for Bridge Course. During the first week after the commencement of the classes, the bridge course curriculum is delivered to the students in various disciplines. A post bridge course test is conducted after the completion of bridge course syllabus to assess the ability of student's suggestions is given to students for improvisation.

List of Students in Bridges Courses Year 2017-2018

Sr.No.	Name of Students	Class
1	Bhurneshwari Ramu B Dhanbhat	F.Y.B.Sc
2	Borghana Omkar Shahare	F.Y.B.Sc
3	Jayshri Jivan Naik	F.Y.B.Sc
4	Kavita Hemraj Raut	F.Y.B.Sc
5	Linatai Ganpat Raut	F.Y.B.Sc
6	Nehatai Mohanlal Bisen	F.Y.B.Sc
7		F.Y.B.Sc
8		F.Y.B.Sc
9		F.Y.B.Sc
10		F.Y.B.Sc

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Dist. Gondia, Pin Code - 441807



Syllabus for the students in Bridge Courses

Department of Chemistry

Year 2017-2018

1] Some Basic concepts of Chemistry

- General Introduction: Importance and scope of Chemistry
- Atomic structure : Atom, atomic and molecular mass, mole concept
- Percentage Composition, empirical and molecular formula
- Chemical reaction, stoichiometry and calculations based on stoichiometry.

2] Organic Chemistry

- Some Basic Principles and Techniques
- General introduction, classification of organic compound
- IUPA nomenclature of organic compounds
- Covalent bond, Inductive effect, electrometric effect, resonance and hyperconjugation
- Homolytic and Heterolytic bond fission of covalent bond
- Free radical, Carbocation, Carboanion, electrophiles, nucleophile types of organic reactions.

3] Basic and Fundamental Biochemistry:

- Carbohydrates :Definitions ,Types of Carbohydrates with Example and Structure
- Protein :Definition Types of Protein with examples
- Nucleic Acids :Components Type of Nucleic acid with Structure of DNA and RNA.
- Lipids :Definitions Types of Lipids with examples.
- Vitamins :Types of Vitamins, Source ,Deficiency Diseases
- Minerals examples and Function

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4] Hydrocarbons

- Classification of Hydrocarbons
- Aliphatic Hydrocarbons: Alkanes- Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions. Alkenes- Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition. Alkynes Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water. Nervous Tissue structure of neuron, function.
- Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity.

5] Physical Chemistry

- Thermodynamics: basic Definitions of laws of thermodynamics
- Electrochemistry: Concepts of Electrolytic and Electrochemical cells
- States of Matter: Solid, Liquid, Gaseous state.

Principal

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Dist. Gondia, Pin Code - 441807



Time Table for Bridges Courses Students

Year 2017-2018

Department of Chemistry

Theory Time Table

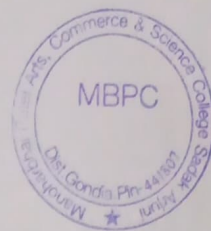
Sr.No	Time (Morning)	Mon	Tue	Wed	Thu	Fri	Sat
		BSC I	BSC I	BSC I	BSC I	BSC I	BSC I
1	8.00 to 8.50	RNH	CVB		--	--	
2	8.50 to 9.40	--	--			--	
3	9.40 to 10.30		--	--			--
4	10.30 to 11.20	--	--		--		--

CVB : Mr. Chandrakant V. Bisen

RNH: Mr. Ramdas N. Huse

Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807

Gondia Education Societies
Manoharbai Patel College of Arts, Commerce and Science
Th-Sadak Arjuni, Dist-Gondia
Bridge Course Test Paper:-2017-2018



Class: B.Sc. Sem-I Sub:-Chemistry Paper:-I+II Time:-30min Marks:-20

- Note:** - 1) All Question are Compulsory
2) All Questions are MCQ (Each Question carries 2 mark)
-

1. Thermodynamics which law is the law of conservation of energy _____
(a) First law (b) Second law (b) Third law (d) None
2. Grignard's reagent is _____
(a) R-Mg-X (b) R-Cu-X (c) R-Ni-X (d) R-Fe-X
3. What is the total number of Bravais lattices in the crystal structures?
a) 3 b) 6 c) 14 d) 24
4. The study of reaction kinetics is called _____.
(a) Rate of reaction (b) Mechanism of reaction (c) Factors which affect the rate of reaction (d) All of the mentioned
5. Which Carbocation is most stable _____?
(a) Primary (b) Secondary (c) Tertiary (d) Noon
6. Neutron was discovered by _____
(a) J.J Thomson (b) Chadwick (c) Rutherford (d) Priestley
7. The nucleus of the atom consists of _____
(a) Protons and neutrons (b) Protons and electrons (c) Neutrons and electrons (d) Protons, neutrons and electrons
8. The radius of an atomic nucleus is of the order of _____
(a) 10^{-10} cm (b) 10^{-13} cm (c) 10^{-15} cm (d) 10^{-8} cm
9. The force of attraction between the particles of _____ matter is maximum.
(a) Solid (b) Liquid (c) Gaseous (c) Non Of the above
10. Which bond is more stronger _____.
(a) Single (b) Double (c) Triple (d) None

Principal
**Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807**

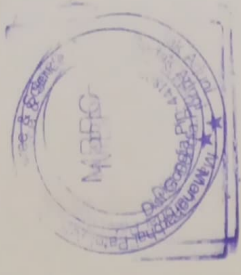
MANOHARBHAI PATEL COLLEGE OF ARTS COMMERCE AND SCIENCE SADAK ARJUNI

Tal Sadak Arjuni, Dist Gondia

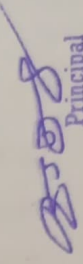
Department of Chemistry

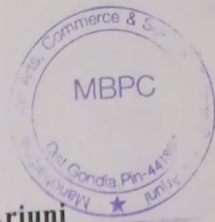
Attendance Register

Bridges Courses 2017-2018



Sr. No.	Name Of Student	Date	1/8	5/8	10/8	15/8	17/8	20/8	25/8	30/8	1/9	10/9	17/9	20/9	24/9	29/9
		Lecture Delivered														
		Signature														
01	Bhumeshwari Ramu Bheerbhate		P	P	P	P	P	P	P	P	P	P	P	P	P	P
02	Dasishwari Omkar Shikare		P	P	P	P	P	P	P	P	P	P	P	P	P	P
03	Jayshree Jivan Neaik		P	P	P	P	P	P	P	P	P	P	P	P	P	P
04	Kavita hemraj Raut		P	P	P	P	P	P	P	P	P	P	P	P	P	P
05	Linatai Ganpat Raut		P	P	P	P	P	P	P	P	P	P	P	P	P	P
06	Nehatai Mohanlal Bisen		P	P	P	P	P	P	P	P	P	P	P	P	P	P


 Principal
 Manoharbai Patel Arts, Commerce
 & Science College, Sadak Arjuni,
 Dist. Gondia, Pin Code - 441807



Gondia Education Society's

Manoharbai Patel College of Arts, Commerce and Science College, Sadak Arjuni

Department of Chemistry
Bridge Course Report: 2017-2018

Every year at the beginning of the new academic year, we organize bridge courses on behalf of our department for the students from another faculty. This year also we started this course from dated 01/08/2017. Its detailed report is as follows. We have started this course in the department for those who have entered the first year of the B.Sc. and have not had chemistry as a subject before. For this, we selected students in class XII who did not belong to the Faculty of Science and whose was not the subject. We have prepared this course for a total of 16 hours from 01 of August 2017 to 02 of October 2017. A total of **06** students had participated in this course this year. In it we mainly teach the basics of Chemistry. That every Chemistry student should know. Accordingly, we explained to the students what is meant by Chemistry, its nature, scope, importance, and need for Chemistry. We took a 20 mark examination of all these students on 03 October 2017 and based on that we tested the basic knowledge of the students and through this course we proved to the students how important Chemistry is as the main subject. All the **06** students completed this course with good marks. Through this course, we paved the way for those who were not previously subject and brought them into the mainstream by guiding them through this bridging course on how to gain momentum in the study of chemistry. This is the main purpose of this course. In this way we successfully implemented this course in the year 2017-2018. For this, the course coordinator of the Chemistry Department, Asst. Prof. C. V. Bisen worked hard. In order to make the course successful helps and time to time provided guidance and interaction with the new students. Through this course, the mental strength or other faculty students was raised and the joy and excitement of participating in the Chemistry family was created in them. They got basic knowledge of chemistry through this course. In this way the course was completed. For your information, we are presenting the report of Bridge Course. Thank you.

Yours Faithfully

Asst. Prof. C. V. Bisen

Bridge Course Co-coordinator

Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807

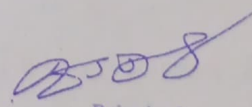


Feedback on Bridge Courses 2017-2018

Analysis Report of Students

Department of Chemistry

Sr. No	Index	Strongly Agree	Agree	Partially Agree	Disagree	Strongly Disagree
1	Current syllabus is good for skill development and employability	90%	5%	5%	00%	00%
2	It increases social awareness moral values	80%	20%	00%	00%	00%
3	It enhance thirst for learning and helps in overall personality development	95%	05%	00%	00%	00%
4	It fulfills the demands of higher education	95%	00%	05%	00%	00%
5	It promote environmental awareness and cultural harmony	80%	05%	05%	00%	00%
6	Its objectives are clearly achieved	90%	05%	05%	00%	00%
6	It promotes research ability	85%	15%	00%	00%	00%
7	It represent social scenario	80%	10%	10%	00%	00%


Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807



Gondia Education Society's

M. B. PATEL ARTS, COMMERCE & SCIENCE COLLEGE, SADAK ARJUNI



CERTIFICATE

This is certify that _____ student of
F.Y.B.Sc has participated in bridge course organized by the Department of Chemistry
during academic year _____

Coordinator

Head of the department

Principal
Principal Commerce
Manoharbalal
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807



Department of Botany
Manoharbai Patel College of Arts, Commerce & Science College, Sadak Arjuni
Dist. Gondia
Date: 10/07/2017

To,

Hon. Principal
Manoharbai Patel College of Arts, Commerce & Science College, Sadak Arjuni
Dist. Gondia

Sub: Proposal for Bridge Course in Botany

Respected Sir,

With reference to above subject, the departments of Botany wish to organize a Bridge Course in Botany from academic year 2017-18. The Course duration is of 16 clock hours spread over 08 weeks (2 period per week) course is specially designed for the UG students will participate in the course. A detailed proposal is enclosed herewith this letter we request you to kindly sanction the permission and financial support to conduct course.

Yours Faithfully,

Prof. S. M. Akare
Head, Department of Botany
M. B. Patel College
Sadak Arjuni

Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807



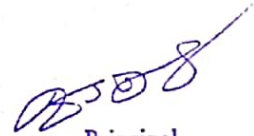
Course Proposal

Name of Courses	Value Added Course in "Rearing of Silk worm"
Courses Coordinator	Prof. Sunil M. AKARE
Duration	15 Weeks (total 30 clock hours, 2 hours per week)
Eligibility	Students can do this course simultaneously with under graduation
Fees	Free
Target Group	B.Sc. Botany Students

Objectives of the Course:

The value added course aim to provide learner centric graded skill oriented training with primary objective of improving the employability skill of Botany students. The main objective of the program are-

1. To provide them with additional knowledge along with their curriculum.
2. To knowledge among about Personal industry.
3. To provide research ability of student.
4. To provide an opportunity to students to develop inter-disciplinary skills.
5. To increase interest towards life science.


Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807



Bridge Course:

"The essence of education lies in drawing out the very best that is in you."

A bridge course for newly admitted students is conducted every year before the commencement of the first semester classes. The main objective of the course is to bridge the gap between subjects studied at Pre-university level and subjects they would be studying in Graduation. The syllabus for the course is framed in such a way that they get basic knowledge on the subjects which they would be learning through graduation.

Objectives:

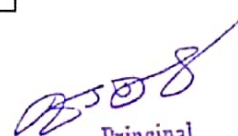
Give students the confidence and skills to successfully transition to college and new curriculum.

Methodology:

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List of Students in Bridges Courses Year 2017-2018

Sr. No.	Name of Students	Class
1	Bhumeshwari Ramu Dhanbhat	F.Y.B.Sc.
2	Darshana Omkar Shahare	F.Y.B.Sc.
3	Jayashri Jivan Naik	F.Y.B.Sc.
4	Kavita Hemraj Raut	F.Y.B.Sc.
5	Linatai Ganpat Raut	F.Y.B.Sc.
6	Nehatai Mohanlal Bisen	F.Y.B.Sc.
7	Pooja Ramchand Taram	F.Y.B.Sc.
8	Sonali Zamraj Shende	F.Y.B.Sc.
9	Chetak Hetram Pusam	F.Y.B.Sc.
10	Shubham Shriram Bhalakade	F.Y.B.Sc.


Principal
Manoharbhair Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807



Gondia Education Society's
Manoharbai Patel College of Arts, Commerce & Science College,
Sadak Arjuni, Dist. Gondia

Department of BOTANY
Syllabus for Bridge Course

1. Living world:

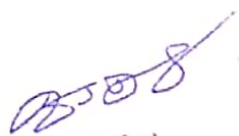
- Basic principles of life
- Herbarium
- Botanical gardens
- Museum
- Biodiversity parks
- Taxonomic Key

2. Systematics of living organisms:

- Systematics
- Classification
- Three domains of life
- Chemotaxonomy
- Numerical taxonomy
- Cardiogram
- Phylogeny
- DNA Barcoding
- Nomenclature
- Mycoplasma


3. Kingdom plantae:

- Kingdom plantae
- Salient features of major plant group under cryptogams
 - A] Division : Thallophyta
 - B] Bryophyta
 - C] Pteridophyta
- Salient features of major plant group under cryptogams


Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441007



- A] Gymnospermae
- B] Angiosperm
 - Plant life cycle and alternation of generation
- 4. Cell structure and organization
 - Cell
 - Kinds of cell
 - Components of eukaryotic cell
- 5. Plant tissues and anatomy
 - Meristematic tissue
 - Classification of meristem
 - Permanent tissue
 - Cork cambium and secondary growth
 - A] Anatomy of dicot root
 - B] Anatomy of monocot root
 - C] Anatomy of dicot stem
 - D] Anatomy of monocot stem
 - E] Anatomy of dicot leaf
 - F] Anatomy of monocot leaf
- 6. Morphology of flowering plants:
 - Angiosperms
 - Angiosperms classification
 - Morphology: Root, stem, leaf, flower and fruit
 - Study of some important families
- 7. Photosynthesis:
 - Chloroplast
 - Nature of light
 - Mechanism of photosynthesis
 - Light reaction
 - Dark reaction
 - Photorespiration
 - C₃, C₄ and CAM cycle


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Dist. Gondia, Pin Code - 441807



- Factors affecting photosynthesis

8. Respiration:

- Mitochondria
- Structure of ATP
- Types of respiration (aerobic and anaerobic)
- Respiratory substrates and Respiration quotient
- Glycolysis
- Kreb's cycle
- Oxidative phosphorylation (ETS)
- Fermentation (alcohol and lactic acid)
- Photorespiration

Principal
Manoharbhai Patel Arts, Commerce
& Science College, Sadak Arjani,
Dist. Gondia, Pin Code - 441807



Department of BOTANY

Time Table for Bridges Courses Students

Academic Year 2017-2018

Time-Table

Sr. No	Time (Morning)	Mon	Tue	Wed	Thu	Fri	Sat
		BSC I	BSC I	BSC I	BSC I	BSC I	BSC I
1	8.00 to 8.50	SMA	SMA				
2	8.50 to 9.40						


SMA: Prof. S. M. Akare

Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441807



Gondia Education Society's
Manoharbai Patel College of Arts, Commerce & Science College, Sadak Arjuni, Dist. Gondia
Bridge Course 2017-18
Attendance Register

Sr. No.	Name of Student	Date																
		07/08	08/08	14/8	21/8	22/8	25/8	29/8	04/9	05/09	11/09	12/9	18/9	19/9	26/9			
	Lecture Delivered	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I		
	Sign	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM		
1	Bhmeshwari Ramu Dhanbhate	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
2	Darshana Omkar Shahare	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P		
3	Jayashri Jivan Naik	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P		
4	Kavita Hemraj Raut	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P		
5	Linatai Ganpat Raut	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P		
6	Nehatai Mohanlal Bisen	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P		
7	Pooja Ramchand Taram	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P		
8	Sonali Zamraj Shende	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P		
9	Chetak Hetram Pusam	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P		
10	Shubham Shriram Bhalakade	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		


 Principal
 Manoharbai Patel Arts, Commerce
 & Science College, Sadak Arjuni,
 Dist. Gondia, Pin Code - 441807



List of Students in Bridges Courses

Department of BOTANY

Year 2017-2018

Sr. No.	Name of Students	Class
1	Bhumeshwari Ramu Dhanbhate	F.Y.B.Sc.
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7	Pooja Ramchand Taram	F.Y.B.Sc.
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9	Chetak Hetram Pusam	F.Y.B.Sc.
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Principal
Manoharbai Patel Arts, Commerce
& Science College, Sadak Arjuni,
Dist. Gondia, Pin Code - 441007



Manoharbai Patel College of Arts, Commerce & Science College, Sadak Arjuni, Dist.
Gondia

Department of Botany
Bridge Course Test
Question Paper
Multiple Choice Questions

Time: 30 min

Marks: 20

Choose correct option

Qu.1. What is the major difference between plant cell and an animal cell?

- a) Cell wall
- b) Cell membrane
- c) Eukaryotic nature of cells
- d) Genetic material

Qu.2. Artificial classification of plant kingdom is based on _____

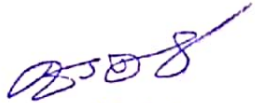
- a) Morphological characteristics
- b) Embryotic structure
- c) Ultra structure
- d) Filamentous structure

Qu.3. Phylogenetic classification considers _____

- a) Morphological characteristics
- b) Embryotic structure
- c) Evolutionary relationships
- d) Ultra structure

Qu.4. The word "Thallophyta" means _____

- a) plants that don't have well-differentiable structure
- b) plants that have large leaves
- c) plants that grow in colonies


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d) plants that are filamentous

Qu.5. Which of the following acts as the energy currency of the cell?

- a) Enzymes
- b) ATP
- c) Proteins
- d) DNA

Qu.6. What is meant by cellular respiration?

- a) Breakdown of water
- b) Breakdown of air to consume energy
- c) Breakdown of food materials to release energy
- d) Breakdown of soil to release energy

Qu.7. Where does the photosynthesis take place in eukaryotes?

- a) Mitochondria
- b) Cytoplasm
- c) Chloroplasts
- d) Vacuoles

Qu.8. Viruses contain sheath made of _____

- a) Nucleic acids
- b) Chitin
- c) Saccharides
- d) Proteins

Qu.9. Which of the following is not related to the light reaction?

- a) Also called Photochemical phase
- b) Light absorption
- c) Electron transport
- d) Water splitting

Qu.10. _____ discovered the two-pigment system theory of light reaction?

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- a) Emerson
- b) Hill
- c) Arnon
- d) Mathew

Qu.11. Lichens are _____

- a) symbiotic existence of blue-green algae and fungi
- b) symbiotic existence of rhizobium bacteria in the roots of leguminous plants
- c) co-existence of coral reef with zooxanthellae
- d) existence of mycorrhiza along with leguminous plants

Qu.12. Which among the following is not a mode of asexual reproduction?

- a) Budding
- b) Fragmentation
- c) Zoospores
- d) Zygosporangia

Qu.13. Coenocytic means _____

- a) sharing of common cytoplasm
- b) removal of plasma membrane
- c) sharing of common nucleus
- d) sharing of common hyphael wall

Qu.14. Binomial nomenclature of Potato is _____

- a) Solanum tuberosum
- b) Ipomoea batatas
- c) Phaseolus vulgaris
- d) Daucus carota subsp. Sativus

Qu.15. Which of the following are first evolved plants with vascular tissues?

- a) Cryptograms
- b) Bryophytes

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- c) Thallophytes
- d) Pteridophytes

Qu.16. Leaf like structure in Pteridophytes that bear spores are called as _____

- a) Sporophyte
- b) Pteridophylls
- c) Sporangia
- d) Sporophylls

Qu.17. Megasporangium in Gymnosperms is also called as _____

- a) Macrosporangiate
- b) Nucellus
- c) Microsporangium
- d) Male strobili

Qu.18. Vascular bundles are surrounded by _____

- a) Endodermis
- b) Bundle sheath cells
- c) Epidermis
- d) Hypodermis

Qu.19. The central portion of the stem is called _____

- a) Vascular bundles
- b) Cortex
- c) Pith
- d) Ground tissue

Qu.20. Water loss in its liquid phase from special openings of veins near the tip of grass blades is termed as _____

- a) guttation
- b) exudation
- c) girdling
- d) transpiration

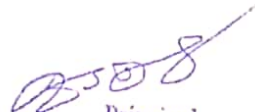
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Department of Botany
Bridge Course Test Answer key

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	a	6	c	11	a	16	d
2	a	7	c	12	d	17	b
3	c	8	d	13	a	18	b
4	a	9	c	14	a	19	c
5	b	10	a	15	d	20	a


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Department of BOTANY

Students Feedback analysis on Bridge Course: 2016-17

Sr. No.	Index	Strongly agree	Agree	Partially agree	Disagree	Strongly disagree
1	Current syllabus is good for skill development and employability	85%	10%	05%	00%	00%
2	It increases social awareness, moral values and ethics	80%	10%	10%	00%	00%
3	It inculcates thirst for learning and helps in overall personality development	90%	05%	05%	00%	00%
4	It fulfils the demands of higher education	90%	05%	05%	00%	00%
5	It promotes environmental awareness and cultural harmony	85%	10%	05%	00%	00%
6	Its objectives are clearly achieved	80%	10%	10%	00%	00%
7	It has relevance with present social scenario	85%	05%	10%	00%	00%
8	It promotes research ability	90%	00%	10%	00%	00%

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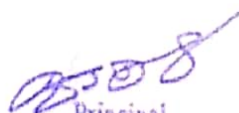
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Department of BOTANY

Bridge Course Report

2017-2018

Every year at the beginning of the new academic year, we organize bridge courses on behalf of our department for the students from another faculty. This year also we started this course from dated 01/08/2017. Its detailed report is as follows. We have started this course in the department for those who have entered the first year of the B.Sc. and have not had chemistry as a subject before. For this, we selected students in class XII who did not belong to the Faculty of Science and whose English was not the subject. We have prepared this course for a total of 16 hours from 01 of August to 02 of October. A total of 10 students had participated in this course this year. In it we mainly teach the basics of English. That every BOTANY student should know. Accordingly, we explained to the students what is meant by BOTANY, its nature, scope, importance, and need for BOTANY. We took a 20 mark examination of all these students on 3rd October 2017 and based on that we tested the basic knowledge of the students and through this course we proved to the students how important BOTANY is as the main subject. All the 20 students completed this course with good marks. Through this course, we paved the way for those who were not previously subject to English and brought them into the mainstream by guiding them through this bridging course on how to gain momentum in the study of chemistry. This is the main purpose of this course. In this way we successfully implemented this course in the year 2017-18. For this, the course coordinator of the BOTANY Department, Asst. Prof. S. M. AKARE worked hard. In order to make the course successful helps and time to time provided guidance and interaction with the new students. Through this course, the mental strength or other faculty students was raised and the joy and excitement of participating in the BOTANY family was created in them. He got basic knowledge of chemistry through this course. In this way the course was completed. For your information, we are presenting the report of Bridge Course. Thank you.


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Yours Faithfully
HEAD,
Department of Botany
M. B. Patel College,
Sadak Arjuni



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CERTIFICATE

This is certify that _____ student of
F.Y.B.Sc has participated in bridge course organized by the Department of Botany
during academic year _____

Coordinator Head of the department Principal