


Nevjabai Hitkarini College Bramhapuri

Record of Bridge Courses conducted by various departments for the Academic Session 2021-22

N. H. College, Bramhapuri Department of Zoology

AIM AND OBJECTIVES

- | Sl. No. | Module No. | Topic (Module & Unit) | Marks |
|---------|------------|--------------------------------|-------|
| 01) | 001 | Systematics | 10 |
| 02) | 002 | Physiology & Biochemistry | 10 |
| 03) | 003 | Molecular Biology | 10 |
| 04) | 004 | Evolution & Taxonomy | 10 |
| 05) | 005 | Genetics & Population Genetics | 10 |
- 01) To bridge the gap between the course contents of syllabi in H.S.C students and B.Sc. Ist year student of Gondwana University.
- 02) To impart minimum basic training in Zoology to UG students.
- 03) To bring such students on par and equivalence with our UG students.
- 04) To strengthen the base of such students in basic and fundamentals of Zoology.
- 05) To train such students to become competitive with our UG students.


Jayesh W. Hajare
Asst. Professor & Head
Department of Zoology
N. H. College, Bramhapuri


Off. Principal
Nevjabai Hitkarini College
Bramhapuri, Distt. Chandrapur

N. H. College, Bramhapuri
Department of Zoology

The Number of **Modules**, Course Code Number, Marks assigned and Credits earned for
“Bridge Course” in Zoology.

Module No.	Unit	Title (Module & Unit)	Marks		
			TE	PE	Total
001	I	Systematics	20	00	20
002	II	Physiology and Biochemistry.	20	00	20
003	III	Genetics, Cell and Molecular Biology.	20	00	20
004	IV	Ecology and Evolution	20	00	20
				20	80
			Total		100

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 Assistant Professor
 Department of Zoology
 N. H. College, Bramhapuri


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 Director
 N. H. College, Bramhapuri

Zoology bridge course Syllabus

To be implemented from the academic year 2017-2018


Course code	Unit	Topic Headings	Time
		Theory	
	I	Systematics Kingdom Protista- Salient features of Protozoa; Kingdom Animalia-Introduction to different Phyla: Porifera, Coelenterata, Platyhelminthes, Aschelminthes, Annelida, Arthropoda, Mollusca, Echinodermata, Chordata.	
	II	Physiology and Biochemistry Introduction to organ systems-Digestive, Respiratory, Circulatory, Excretory, Skeletal, Muscular, Nervous, Endocrine and Reproductive system; Introduction to Biomolecules.	
	III	Genetics, Cell and Molecular Biology Brief introduction-Mendel and his experiments, Cell Organelles, Central dogma of Molecular Biology – Replication, Transcription, Translation.	
	IV	Ecology and Evolution Brief description-Different ecosystems, origin and evolution of life.	
		Practical's	
		Safety Cleanliness and hygiene of laboratory and ourselves. Working use and care of microscopes. Demonstration of various lab instruments. Demonstration of museum specimen.	


Jayesh W. Hajare
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 N. H. Collage, Bramhapuri

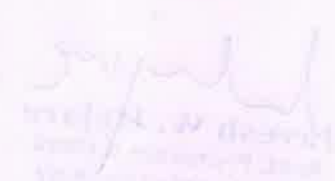

Off. Principal
 Nevjabai Hitkarini College
 Bramhapuri, Distt. Chandrapur

Scheme for Implementation of "Bridge Course" in Zoology (BRC in Zoology): -

- 01) BRC in Zoology will consist of 05 Modules namely BRC ZOO 001/002/003/004 ; each carrying 20 Marks and Practical (05) Carrying 20 Marks.
- 02) BRC in Zoology will have a total of 100 Marks.
- 03) Students, enrolled for B.Sc.-Part I in Zoology. such students shall have to complete the relevant module.
- 04) Teaching of BRC in Zoology will be conducted in the N.H. College through contact hours for lectures and/ or self-study by students, as per the allotted time table of the Zoology Dept.


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Department of Zoology
N. H. College, Bramhapuri


Off. Principal
Nejrabai Hitkarini College
Bramhapuri, Dist. Chandrapur


Off. Principal
Nejrabai Hitkarini College
Bramhapuri, Dist. Chandrapur

Scheme for Examination for BRC in Zoology: -

General Instructions: -

- 01) 05 Modules of BRC in Zoology shall carry a total of 100 Marks comprising 80 Marks in theory papers and 20 Marks in practical exam.
- 02) Examination of BRC in Zoology (Theory Papers and practical marks) shall be conducted by the Dept. of Zoology of N.H College.
- 03) Paper-setting, evaluation and declaration of results will be entrusted entirely internally to the Dept. of Zoology of N.H College.
- 04) The result of the Bridge Course is announced after the 15 days of examination. Students shall be communicated to the Head dept. of Zoology.

II) Scheme for Theory Examination (TE)

- 01) Theory Examinations under each Module shall carry 20 Marks.
- 02) Duration of Theory examination shall be of 1 Hrs.
- 03) Each Theory Paper shall consist of 50 multiple choice Questions carrying a 02 Marks each, out which any 40 questions are compulsory. each based on respective units as follow.

Scheme for Examination for BRC in Zoology -

- 04) Paper – setting of all 01 theory papers under 04 modules will be done by the Head of the Dept. of Zoology in N.H college with the help teaching and non-teaching staff of Zoology department.
- 05) The schedule of theory examination (Time Table) and results (Marks of TE & IE) shall be communicated to the Head of the Department.
- 06) Under any circumstances, there shall be “No RE-EVALUATION” for TE and/ or IE.

III) Passing Standards

- 01) For passing Bridge Course in Zoology the candidate must score: -
 - a) Minimum 40% marks are required to pass the exam. Individually in theory and practical.



Jayesh W. Thajare
Asst. Professor & Head
Department of Zoology
N. H. College, Bramhapuri



Off. P. Principal
Nejrabai Hitkarini College
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Nevjabai Hitkarini College, Bramhapuri



3-1-1

Department of Zoology

Bridge Course

2021-22

N.H College, Bramhapuri

Department of Zoology


Session- 2021-2022

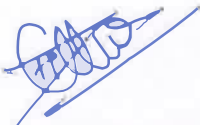
Date- 01-10-22

NOTICE

All the teaching staff and Non-teaching staff of the department are here by inform that they should attend the meeting related to Bridge course for B.Sc- I (Semester-I) year student which is scheduled on **4th Oct 2021 at 12:00 pm**. In the department to discuss the following agenda.

1. Schedule of bridge course
2. Syllabus design
3. Enrollment of students
4. Time table
5. Distribution of work load
6. Preparation of paper module as per syllabus.


Jayesh W. Thijare
Asst. Professor & Head
Department of Zoology
N. H College, Bramhapuri


Off. Principal
Nejrabai Hitkarini College
Bramhapuri, Dist. Chandrapur

N.H.College, Bramhapuri

DEPARTMENT OF ZOOLOGY

NOTICE

All the students of department of zoology hereby informed that Bridge Course will start from **4th Oct 2022**. So they should attend the classes regularly. Bridge course time table displayed on the notice board.

Date: 01/10/2022



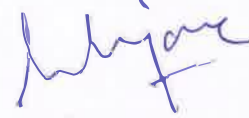
Head
Jayesh W. Hajare
Asst. Professor & Head
Department of Zoology
N. H College, Bramhapuri



Off. Principal
Neyjabai Hitkarini College
Bramhapuri, Dist. Chandrapur

Department of Zoology
Academic Session : 2021-22
Time Table for Bridge Course Class
Duration: 04/ 10/ 2021 - 20/10/2022
Class- B.Sc.-I

TIME	2:30 pm to 03:30 am	03:30 am to 04:30 am
DAY	1	2
Monday		DGA
Tuesday		DGA
Wednesday		
Thursday		
Friday	JWH	
Saturday	JWH	



Head

Department of Zoology
Jayesh W. Hajare
Asst. Professor & Head
Department of Zoology
N. H College, Bramhapuri

Date : 04 / 10 / 2021



Off. Principal
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Bramhapuri, Distt. Chandrapur

N. H. College, Bramhapuri

Department of Zoology

Bridge Course

2021-22


SN	Name of Student	Date of Admission	Enrollment Date	Signature
1	PRATIKSHA SANDIP BHARNE	23/08/2021	1/10/2022	Bharna
2	CHITRA RAJU NANDANWAR	23/08/2021	1/10/2022	Chandhanwar
3	DIKSHA DEVENDRA RAUT	23/08/2021	1/10/2022	Raut
4	KANCHA RUSTAM LAKHE	23/08/2021	1/10/2022	Lakhe
5	LAXMI HIRALAL PARDHI	23/08/2021	1/10/2022	L.Pardhi
6	NAYAN SANTOSH HAJARE	23/08/2021	1/10/2022	N.S. Hajare
7	NUTAN DIWAKAR THAKARE	23/08/2021	1/10/2022	Thakare
8	PRAJAKTA TULSHIDAS THAKARE	23/08/2021	1/10/2022	Thakare
9	SHRAWANI PRAKASH DHONGE	23/08/2021	1/10/2022	Dhonge
10	SHREYA RATAN RAHATE	23/08/2021	1/10/2022	Rahate
11	HINA SURESH MUNGULMARE	24/08/2021	1/10/2022	Mungulmare
12	GAYATRI ISHWARRAO HIWARE	24/08/2021	1/10/2022	Hiware
13	SEJAL DINESH JIRITKHAN	24/08/2021	4/10/2022	Jirirkhan
14	VAISHNAVI VINOD DONADKAR	25/08/2021	1/10/2022	Donadkar
15	BHUSHAN VILAS TALMALE	25/08/2021	1/10/2022	Talmale
16	CHETAN RAMESH KOTHEWAR	25/08/2021	1/10/2022	Kothewar
17	NEHA SHARAD DESHMUKH	25/08/2021	1/10/2022	Nehad
18	NISHA VASANT PENDRAM	25/08/2021	1/10/2022	Pendram
19	ROHINI SHANKAR MISAR	25/08/2021	1/10/2022	Misar
20	SAKSHI PREMDAS KHARKATE	25/08/2021	4/10/2022	S. Kharkate
21	SAKSHI VIJAY RAUT	25/08/2021	4/10/2022	Raut
22	BHUMIKA SURESH SURYAWANSHI	26/08/2021	7/10/2022	Bhumika
23	KARUNA SUBHASH UTANE	26/08/2021	1/10/2022	Utane
24	PRACHI VINOD KHEWALE	26/08/2021	1/10/2022	P.V. Khewale
25	PRITI RAMESH RAUT	26/08/2021	1/10/2022	P.R. Raut
26	RUPALI TARACHAND MESHAM	26/08/2021	1/10/2022	Mesham

27	SAYALI WAMAN AMBADE	26/08/2021	1/10/2022	S.W.Ambade
28	VAISHNAVI DAMODHAR THAKARE	26/08/2021	1/10/2022	V.Thakare
29	AKANKSHA NAGESHWAR WAKEKAR	27/08/2021	1/10/2022	A.Wakekar
30	BHAWANA PURUSHOTTAM SHENDE	27/08/2021	1/10/2022	B.Shende
31	CHANDA KRUSHNA KOSE	27/08/2021	1/10/2022	C.Kose
32	CHANDANI KEWALRAM RAMTEKE	27/08/2021	1/10/2022	C.Ramteke
33	KANCHAN GOPAL CHAUDHARI	27/08/2021	1/10/2022	K.Chaudhari
34	PUNAM VILAS MENDHULKAR	27/08/2021	1/10/2022	P.Mendhulkar
35	MADHAVITAI RAMESH RAUT	28/08/2021	1/10/2022	M.Raut
36	PAYAL VIJAY CHAUDHARI	30/08/2021	1/10/2022	P.V.Chaudhari
37	RUTIK NANAJI DUMANE	30/08/2021	1/10/2022	R.Dumane
38	TWINKAL YOGIRAJ GADE	30/08/2021	1/10/2022	T.Y.Gade
39	DIYA DEVANAND PILARE	30/08/2021	1/10/2022	D.D.Pilare
40	NUTAN MORESHWAR THAKARE	30/08/2021	1/10/2022	N.Thakare
41	SAKSHI DHANPAL NANDESHWAR	30/08/2021	2/10/2022	S.Nandeshwar
42	SIDDHATA SUNIL MESHAM	30/08/2021	4/10/2022	S.S.Mesham
43	TEJASHWINI EKNATH URKUDE	30/08/2021	4/10/2022	T.Urkude
44	VAIBHAVI PRAKASH THAKARE	30/08/2021	4/10/2022	V.Thakare
45	ANCHAL VINOD BHAIYA	31/08/2021	4/10/2022	A.Bhaiya
46	SHRUTI ARUN GURNULE	31/08/2021	1/10/2022	S.Gurnule
47	SNEHA BHIMRAO DONGARWAR	31/08/2021	4/10/2022	S.Dongarwar
48	ACHAL KEWAL RAUT	31/08/2021	4/10/2022	A.K.Raut
49	SHITAL RAJENDRA MANDAPE	31/08/2021	1/10/2022	S.Mandape
50	SNEHAL CHANDRAHAS DHOTE	31/08/2021	1/10/2022	S.Dhote
51	ASTHA BALKRISHNA CHAHANDE	01/09/2021	1/10/2022	A.Chahande
52	PRIYA RAJESHWAR PAWANKAR	01/09/2021	1/10/2022	P.Pawankar
53	PUNAM ASHOK SHAHARE	01/09/2021	1/10/2022	P.Shahare
54	DIMPAL MANOHAR NEWARE	01/09/2021	1/10/2022	D.M.Neware
55	ASMITA DAKRAM SILAR	02/09/2021	1/10/2022	A.Silar
56	DIPALI RAVINDRA BAWANE	02/09/2021	1/10/2022	D.Bawane
57	ANUJ GAJANAN RAMTEKE	03/09/2021	1/10/2022	A.Ramteke
58	MAITHILI RAJESH PILARE	03/09/2021	1/10/2022	M.Pilare

59	SNEHA UMESH TALMALE	03/09/2021	1/10/2022	<i>[Signature]</i>
60	TEJAS BHAURAO KAMBLE	03/09/2021	1/10/2022	<i>[Signature]</i>
61	VAISHNAVI SANTOSH MISAR	03/09/2021	4/10/2022	<i>[Signature]</i>
62	KUNAL KAILAS SAHARE	04/09/2021	1/10/2022	<i>[Signature]</i>
63	SNEHAL SANJAY SHENDE	06/09/2021	1/10/2022	<i>[Signature]</i>
64	DEVDAAS SAMBHURAM JHAGARAHA	08/09/2021	1/10/2022	<i>[Signature]</i>
65	PUJA PITAMBAR RAUT	09/09/2021	1/10/2022	<i>[Signature]</i>
66	KIRAN JITENDRA GADIWAN	11/09/2021	1/10/2022	<i>[Signature]</i>
67	KUNAL GURUDEO TEKAM	14/09/2021	1/10/2022	<i>[Signature]</i>
68	NARENDRA BIRSING MIRI	14/09/2021	1/10/2022	<i>[Signature]</i>
69	SAURAV PRAKASH NAITAM	14/09/2021	1/10/2022	<i>[Signature]</i>
70	MOBIL MANIK THAKARE	15/09/2021	1/10/2022	<i>[Signature]</i>
71	ADARSH NILESH NAGRALE	17/09/2021	1/10/2022	<i>[Signature]</i>
72	NANDINI SANDIP DUDHABALE	18/09/2021	1/10/2022	<i>[Signature]</i>
73	KALPAK GAUTAM RAMTEKE	20/09/2021	1/10/2022	<i>[Signature]</i>
74	TIKESH VINAYAKSINGH SOMVANSHI	20/09/2021	1/10/2022	<i>[Signature]</i>
75	RAVINA DIWAKAR DHOLANE	21/09/2021	1/10/2022	<i>[Signature]</i>
76	SANGHAMITRA NAKTU LADE	21/09/2021	1/10/2022	<i>[Signature]</i>
77	SHREYA NARESH BRAMHANKAR	21/09/2021	1/10/2022	<i>[Signature]</i>
78	KARINA DHULIDAS KALSARPE	23/09/2021	1/10/2022	<i>[Signature]</i>
79	ADITYA MADHUKAR MADAVI	24/09/2021	1/10/2022	<i>[Signature]</i>
80	KUNAL DILIP RAUT	24/09/2021	1/10/2022	<i>[Signature]</i>
81	JAGRUTI GAUTAM MESHARAM	28/09/2021	1/10/2022	<i>[Signature]</i>
82	SAKSHI HATEEM KARHADE	28/09/2021	1/10/2022	<i>[Signature]</i>
83	SANDHARBHA DILESH BHAISARE	28/09/2021	1/10/2022	<i>[Signature]</i>
84	MEGHA MADAN KHARKATE	29/09/2021	1/10/2022	<i>[Signature]</i>
85	ANUJ YASHWANT VIKHAR	30/09/2021	1/10/2022	<i>[Signature]</i>
86	SURBHI MACHHINDRA KOSE	30/09/2021	1/10/2022	<i>[Signature]</i>

[Signature]
Jayesh W. Hajare
Asst. Professor & Head
Department of Zoology
N. H. College, Bramhapuri

SN	Name of Student	4-10 2021	5-10 2021	6-10 2021	7-10 2021	8-10 2021	9-10 2021	10-10 2021	11-10 2021	12-10 2021	13-10 2021
76	Sanghamitra Naktu Lade	P	P	P	P	P	P	P	P	P	P
77	Shreya Naresh Bramhankar	P	P	A	P	P	P	P	P	P	P
78	Karina Dhulidas Kalsarpe	P	P	P	P	P	P	P	P	P	P
79	Aditya Madhukar Madavi	P	P	P	P	P	P	P	P	P	P
80	Kunal Dilip Raut	P	P	P	P	P	P	P	P	P	P
81	Jagruti Gautam Meshram	A	P	P	P	P	P	P	P	P	P
82	Sakshi Hateem Karhade	P	P	P	P	P	P	P	P	P	P
83	Sandharbha Dilesh Bhaisare	P	P	P	P	P	P	P	P	P	P
84	Megha Madan Kharkate	P	P	P	P	A	P	P	P	P	A
85	Anuj Yashwant Vikhar	P	A	P	P	P	P	P	P	P	P
86	Surbhi Machindra Kose	P	P	P	P	P	P	A	P	P	P


Jayesh W. Hajare
 Asst. Professor & Head
 Department of Zoology
 N. H. College, Bramhapuri

Name: _____ Class: _____ Date: _____

N. H. College, Bramhapuri

Department of Zoology

Bridge Course Question paper

2021-22

Time: 1 Hrs.

Max. Marks:80

Note: Solve any 40 Question

Each Question carry 2 Marks

Use (✓) Mark for Correct Answer

Que. 1. During cell-cycle the duration of which of the following phases is the shortest?

- A) Mitosis
- B) G₁ phase
- C) S phase
- D) G₂ phase

Que. 2. In origin, the choanocytes, the flagellated cell present in the radial canal of sponges, are

- A) Ectodermal
- B) Mesodermal
- C) Endodermal
- D) Mesenchymal

Que. 3. Which one of the following is the main constituent of pearl?

- A) Calcium carbonate
- B) Magnesium carbonate
- C) Calcium oxide
- D) Magnesium sulphate

Que. 4. Which one of the following is not under the direct control of pituitary gland with respect to the regulation of its secretory function?

- A) Adrenal cortex
- B) Adrenal medulla
- C) Thyroid
- D) Testis

Que. 5. Which one of the following increases the uptake of sodium ions and water in the kidney with simultaneous elimination of potassium ions?

- A) Vasopressin
- B) Renin
- C) Parathormone
- D) Aldosterone

Que. 6. Study of human population is

- A) demography
- B) chronology
- C) population science
- D) None of these

Que. 7. Gene is _____ Date: _____ Class: _____ Name: _____

- A) a segment of DNA
B) a segment of DNA and histone
C) a segment of DNA, RNA and histone
D) All of the above

Que. 8. Down's syndrome has karyotypic make up as _____

- A) 44 + XXX
B) 44 + XXY
C) 45 + XY or 45 + XX
D) 44 + XY or 44 + XX

Que. 9. Barr body is associated with _____

- A) female autosomes
B) female autosome as well as sex chromosomes
C) allosomes of male and female
D) female sex chromosomes

Que. 10. In which blood group antibodies are absent _____

- A) A
B) B
C) O
D) AB

Que. 11. The primitive earth conditions were experimentally shown by _____

- A) Urey
B) Miller
C) Both (a) and (b)
D) Oparin

Que. 12. Who first coined the term "Survival of the fittest"?

- A) Herbert and Spencer
B) Darwin
C) Lamarck
D) Carl Linnaeus

Que. 13. According to Darwin, the fitness refers to _____

- A) physical fitness
B) reproductive fitness
C) environmental fitness
D) all of these

Que. 14. The causative agent of tuberculosis is _____

- A) *Salmonella*
B) *Pneumococcus*
C) *Streptomyces*
D) *Mycobacterium*

Que. 15. *Entamoeba histolytica* is a human parasite usually found in _____

- A) intestine
B) liver
C) blood
D) mouth

Que. 16. Infection of *Ascaris* usually occurs by

- A) eating imperfectly cooked pork
- B) tse-tse fly
- C) mosquito bite
- D) drinking water containing eggs of *Ascaris*

Que. 17. The term 'humour' refers to

- A) bone marrow
- B) plasma and lymph
- C) all internal tissues
- D) all subcutaneous tissues

Que. 18. Basic shape of antibody resembles

- A) g
- B) q
- C) Y
- D) H

Que. 19. Viruses are

- A) intracellular, obligate parasites
- B) intercellular, obligate parasite
- C) intracellular, facultative parasites
- D) intercellular, facultative parasites

Que. 20. Bacteria that use light for their energy source and CO_2 for their carbon source are called

- A) photoautotrophs
- B) photoheterotrophs
- C) chemoheterotrophs
- D) chemoautotrophs

Que. 21. Hierarchy of categories was introduced by

- A) Linnaeus
- B) de Candolle
- C) Bauhin
- D) John Ray

Que. 22. The term 'Species' was given by

- A) John Ray
- B) Linnaeus
- C) Darwin
- D) Aristotle

Que. 23. Which one of following shows saprophytic mode of nutrition?

- A) Fungi
- B) Cyanobacteria
- C) Viruses
- D) All of these

Que. 24. Whom of the following discovered virus?

- A) Leeuwenhoek
- B) AP de Candolle
- C) Dimitri Ivanowsky
- D) KM Smith

Que. 25. Kingdom-Protista includes

- A) unicellular eukaryotes
- B) Colonial eukaryotes
- C) Both (A) and (B)
- D) multicellular eukaryotes

Que. 26. The mode of locomotion in diatoms is

- A) Cilia
- B) Gliding
- C) Pseudopodia
- D) Flagella

Que. 27. Protist obtain their food as

- A) photosynthesisers only
- B) chemosynthesisers
- C) heterotrophs only
- D) Both (A) & (C)

Que. 28. Which of the following is not a character of Protista?

- A) Protists are prokaryotic
- B) Some protist has cell wall
- C) Mode of nutrition is both autotrophic and heterotrophic
- D) Body organization is cellular
- E) Membrane bound organelles are present in cells

Que. 29. Pentaradial symmetry is found in

- A) *Hydra*
- B) *Schistoma*
- C) *Taenia*
- D) *Fasciola*

Que. 30. Cell tissue grade organization occurs in

- A) *Hydra*
- B) Sponge
- C) Starfish
- D) Liverfluke

Que. 31. Method of reproduction in *Amoeba* is

- A) Locomotion
- B) Sporulation
- C) Encystement
- D) Binary fission

Que. 32. Nutrition in *Entamoeba* is

- A) Saprophytic
- B) Autotrophic
- C) Chemotrophic
- D) Parasitic

Que. 33. Pectoral girdle constitutes

- A) Scapula and clavicle
- C) Ilium and ischium

- B) Radius and ulna
- D) Maxilla and mandible

Que. 34. Hemoglobin is

- A) An Oxygen carrier in human blood
- C) An Oxygen scavenger in root nodules

- B) A protein used as food supplement
- D) a plant protein with high lysine content

Que. 35. Which of the following parts of a neuron is covered by fatty sheath?

- A) Axon
- C) Dendrite

- B) Cyton
- D) Node of Ranvier

Que. 36. The gland which performs both endocrine and exocrine function is

- A) Adrenal
- C) Pancreas

- B) Thyroid
- D) Pituitary

Que. 37. The Golgi complex plays a major role

- A) In trapping the light and transforming it into chemical energy
- B) In digesting proteins and carbohydrates
- C) As energy transferring organelles
- D) In post translational modification of proteins and glycosylation of lipids

Que. 38. Protein synthesis takes place in

- A) Ribosomes
- C) Mitochondria

- B) Chloroplasts
- D) Golgi bodies

Que. 39. Plasma membrane is made up of

- A) Lipid, Protein and Water
- C) Lipid and Carbohydrate

- B) Lipid, Protein and Manganese
- D) Lipid, Protein and Carbohydrate

Que. 40. RNA and DNA are similar in

- A) Having similar sugars
- C) Being capable to replicate

- B) Having similar pyrimidine bases
- D) Being polymers of nucleotides

Que. 41. An organic substance bound to an enzyme and essential for its activity is called

- A) Coenzyme
- (B) Holoenzyme
- (C) Apoenzyme
- (D) Isoenzyme

Jyoti N. Jyoti
Asst. Professor & Head
Department of Zoology
M. J. Somaiya Institute

Dr. Jyoti N. Jyoti
Principal
Nandani Institute of Education
Bhandara, Dist. Chandrapur

Que. 42. Holoenzyme is

- A) Non-protein and Apoenzyme
- B) Protein and Apoenzyme
- C) Enzyme protein and Coenzyme
- D) Enzyme non-protein and Coenzyme

Que. 43. Which one is the sweetest sugar?

- A) Glucose
- B) Fructose
- C) Sucrose
- D) Maltose

Que. 44. The simplest amino acid is

- A) glycine
- B) lysine
- C) tyrosine
- D) aspartic acid

Que. 45. Chromosomes which determine the sex of an individuals are called

- A) Autosomes
- B) Lysosomes
- C) Heterosomes
- D) peroxysomes

Que. 46. In which phase, DNA content will be double?

- A) Interphase
- B) Anaphase
- C) Prophase
- D) Telophase

Que. 47. Salivary amylase, a digestive enzyme begins digestion of

- A) Carbohydrates
- B) Fats
- C) Proteins
- D) All of these

Que. 48. Argentaffin cells in human beings are found in


- A) Small intestine
- B) Stomach
- C) Large intestine
- D) Liver


Que. 49. During inspiration, the diaphragm

- A) Expands
- B) Shows no change
- C) Contracts and flattens
- D) Relaxes to become dome-shaped

Que. 50. Radius is a bone founds in

- A) Arms
- B) Legs
- C) Pelvic girdle
- D) None of the above



Off. Principal
Nejabai Hitkarini College
Bramhapuri, Distt. Chandrapur



Jayesh W. Hajare
Asst. Professor & Head
Department of Zoology
N H College, Bramhapuri

NOTICE

All the teaching staff and Non-teaching staff of the department are here by inform that they should attend the meeting on date 06th October 2021 at 12.15 p.m. in Department of Physics related to **Bridge course** for B.Sc I (Sem-I) year student which is scheduled on 11th October 2021, to discuss the following agenda.

- ✓ Schedule of bridge course.
- ✓ Registration of students
- ✓ Syllabus designing
- ✓ Time-table
- ✓ Distribution of workload
- ✓ Preparation of Module as per syllabus


Principal
Nejebai Hitkarini College
Bramhapuri-441206.


R. S. Meshram
Head
Department of Physics
Nejebai Hitkarini College
Bramhapuri - 441206

SYLLABUS FOR BRIDGE COURSE PHYSICS

UNIT I

The international system of units, accuracy and precision of instruments, errors in measurement, significant figures, dimensions of physical quantities, dimensional formulae and dimensional equations.

UNIT II

Scalars and vectors, vector algebra, Work, energy-kinetic energy and potential energy, power, Waves-transverse and longitudinal waves, gravitation-acceleration due to gravity of earth, elastic properties of matter.

UNIT III

Calculation of least count, Use of Vernier Calipers, Screw Gauge, Travelling Microscope (Vernier and Circular), Use of multimeter, Color code system of resistance.

UNIT IV

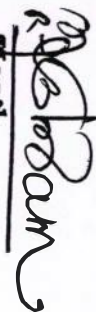
Basic laws of physics, Conservation of energy, Basic laws of mechanics, Ohm's law, Basics of current, voltage, resistance.

Nejjabai Hitkarini College, Bramhapuri
Department of Physics
Bridge Course in Physics

Time-Table (2021-22)

w.e.f. - 11/10/2021

Class	Day	Time	Faculty Name	Module
B.Sc -I Sem-I	Monday	9.54 am. -10.42 am.	Prof. R. S. Meshram	Unit-II
		11.30-12.15	Prof. D. M. Parshuramkar	Unit-III
		9.54 am. -10.42 am.	Dr. A. N. Yerpude	Unit-II
	Tuesday	11.30-12.15	Prof. D. M. Parshuramkar	Unit-III
		9.54 am. -10.42 am.	Dr. A. N. Yerpude	Unit-I
	Wednesday	11.30-12.15	Prof. R. S. Meshram	Unit-II
		9.54 am. -10.42 am.	Dr. A. N. Yerpude	Unit-I
	Thursday	11.30-12.15	Prof. R. S. Meshram	Unit-II
		9.54 am. -10.42 am.	Prof. D. M. Parshuramkar	Unit-III
	Friday	11.30-12.15	Prof. R. S. Meshram	Unit-I
		9.54 am. -10.42 am.	Prof. D. M. Parshuramkar	Unit-IV
	Saturday	11.30-12.15	Dr. A. N. Yerpude	Unit-IV


Dr. A. N. Yerpude

Department of Physics
Nejjabai Hitkarini College
N. Bramhapuri
24/10/2021

Department of Physics


Bridge Course 2021- 22

List of Students Enrolled

Sr.No.	Students Name
1	ADITYA DILIP MESHRAM
2	ADITYA KEWALRAM RAUT
3	ADITYA RAGHUNATH FUNDE
4	ANIKET MANOHAR GIRADKAR
5	ANUJ LOKMAN RAUT
6	ANUJA CHARUDATTA SONULE
7	BHUMIKA RUPESH GEDAM
8	DIGVIJAY SHIVRAM AMBORKAR
9	DIKSHA SHAMRAO KUTHE
10	KHUSHAL NARESH PUNHEKAR
11	KHUSHAL VISHWANATH NAKADE
12	KHUSHI SANJAY DOJAD
13	KRISHNA GOPICHAND VIKHAR
14	LEKHRAJ VINOD WANDHARE
15	MANASVI ASHOK PATEL
16	MAYURI DAYARAM NAIK
17	MINAKSHI SANJAY DHORE
18	MINAL NARENDRA SHAHANE
19	MOHIT RAMESHWAR THENGARI
20	NANDINI AVINASH BHANARKAR
21	NIKITA KRUSHNA NANDANWAR
22	NIKITA RAJU BHARRE

23	NISHIKA SHASHIKANT KAMATWAR
24	PALLAVI RAJU MULE
25	SALONI GULAB BORKAR
26	SAMIR UDDHAO WALVE
27	SANDHYA DHAGESHWAR DESHMUKH
28	SANGHARSH DILIP MATE
29	SANKET SUKHARAM TEMBHURKAR
30	SHREYASH PYARELAL BAGADE
31	SHRUTIKA RAMESH UIKE
32	SHWETA ARUN LENGURE
33	SIMRAN PURUSHOTTAM BANSOD
34	SNEHA GULAB KUMARE
35	YASH SHAMLAL LOKHANDE
36	YOGESH VIJAY DADMAL
37	ADITYA DILIP MESHAM
38	ADITYA KEWALRAM RAUT

Dr. R. S. Meshram
Course Co-ordinator


Head Department of Physics
Department of Physics
Nevjabal Hitkarini College
Bramhapuri - 441206

28	SANGHARSH DILIP MATE	P	P	P	P	A	P	P	P	P	P
29	SANKET SUKHARAM TEMBHURKAR	P	P	P	A	P	P	P	P	P	P
30	SHREYASH PYARELAL BAGADE	P	P	P	P	P	P	A	P	P	P
31	SHRUTIKA RAMESH UIKE	P	A	P	P	P	P	P	P	P	P
32	SHWETA ARUN LENGURE	A	P	P	P	P	P	P	P	P	P
33	SIMRAN PURUSHOTTAM BANSOD	P	P	P	P	P	P	P	P	A	P
34	SNEHA GULAB KUMARE	P	P	P	P	P	P	P	A	P	P
35	YASH SHAMLAL LOKHANDE	P	P	P	P	P	P	P	P	P	A
36	YOGESH VIJAY DADMAL	P	P	P	P	P	P	P	P	P	P
37	ADITYA DILIP MESHARAM	P	P	P	A	P	P	P	P	P	P
38	ADITYA KEWALRAM RAUT	P	P	P	P	P	A	P	P	P	P