

EASTERN KARBI ANGLONG COLLEGE

Sarihajan, Karbi Anglong, Assam



Key Indicator

1.3 Curriculum Enrichment

Metric No. 1.3.2

Average percentage of courses that include experiential learning through project work/field work/internship during last five years (10)

Department of Education
Syllabus on
Project work/ Field Study
For
CBCS



SIXTH SEMESTER

PAPER – EDUCATION - C- 602 PSYCHOLOGICAL PRACTICAL AND PROJECT WORK (Contact Hours-60, Credit-6)

OBJECTIVES:

An Undergraduate Learner will be able to -

1. Acquaint themselves with concrete practical and scientific experiences on various psychological experiments and tests in laboratory setting and their implications in the field of education.
2. Acquire knowledge and skill using different tests in research work.

PART-A

PSYCHOLOGICAL EXPERIMENTS

The candidates will be required to perform at least eight psychological experiments (selecting at least one from each unit) in laboratory. Marks for practical examination in psychological experiments are distributed as:

(Psychological Practical Examination – 25, Viva – voce – 10, Note Book - 15) = Total-50

COURSE CONTENTS

- UNIT-1 - Memory: Recall and Recognition, Immediate Memory span
- UNIT-2 - Learning: Maze Learning, Mirror Learning, Whole Versus Part Learning
- UNIT-3 - Imagination: Free Association, Controlled Association, Ink Blot Test, Thematic Apperception Test (TAT)
- UNIT-4 - Concept: Concept Formation
- UNIT-5 - Attention: Division of Attention, Span of Attention

PART-B

PSYCHOLOGICAL TESTS (WITH FIELD WORK)

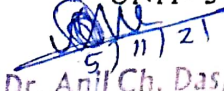
The candidates will be required to perform three psychological tests from nine (9) units with field work. Marks for practical examination in psychological tests are distributed as:


(Psychological Tests and Field Report – 40, Viva -voce = 10) =50

UNIT- 1- Intelligence Test: General Mental Ability Test, Bhatia's Performance Test of Intelligence

UNIT- 2- Personality Test: Personality Need Inventory, Sentence Completion Test

UNIT- 3- Attitude Test: Attitude Scale (Religion, Scientific Attitude, Education and


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Environmental Awareness

UNIT- 4- Aptitude Test: Aptitude Test Battery (Teaching Aptitude Test etc.)


UNIT- 5- Creativity Test: Tests of Creativity (Verbal and Non-verbal), Language Creativity Test


UNIT- 6- Adjustment Test: Adjustment Inventory

UNIT- 7- Interest Test: Vocational Interest Scale

✓ UNIT- 8- Socio-economic Status Scale

UNIT- 9- Programme Instructional Material (Linear Programming)


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Department of Assamese
Syllabus on
Project work/ Field Study
For CBCS



Choice Based Credit System (CBCS)



Department of Assamese
Assam University, Silchar
(Diphu Campus)

Undergraduate Programme
(TO BE EFFECTIVE FROM ACADEMIC YEAR 2017)

Syllabus of B.A. Honours & Pass Course
(ASSAMESE)



COURSE STRUCTURE (HONOURS)

Semester	Course	Course No.	Course Name	Credit
I	Core	ASMCH-101	History of Assamese Literature (Ancient to Medieval Period) অসমীয়া সাহিত্যৰ ইতিহাস (প্ৰাচীন কালৰ পৰা মধ্য যুগলৈ)	6
		ASMCH-102	History of Assamese language and Script অসমীয়া ভাষা আৰু লিপিৰ ইতিহাস	6
	GE	GEH-101	Art and Literature কলা আৰু সাহিত্য	6
	AECC	AECC-1	MIL Communication যোগাযোগৰ ভাষা ৰূপে অসমীয়া	4
II	Core	ASMCH-201	History of Assamese literature (Modern to contemporary) অসমীয়া সাহিত্যৰ বুৰঞ্জী (আধুনিক যুগৰ পৰা সাম্প্ৰতিকলৈ)	6
		ASMCH-202	Language Varieties ভাষাৰ ভিন্নতা	6
	GE	GEH-201	Science Fiction and Fantasy বিজ্ঞান আৰু কল্প সাহিত্য	6
	AECC	AECC-2	Environment Studies পৰিবেশ অধ্যয়ন	4
III	Core	ASMCH-301	Oral Traditions : Folktales, Folk songs and Myths মৌখিক পৰম্পৰা : লোকসাঁথু, লোকগীত আৰু পুৰা কথা	6
		ASMCH-302	Functional Grammar of Assamese অসমীয়া ভাষাৰ প্ৰায়োগিক ব্যাকৰণ	6
		ASMCH-303	Selected Texts : Poetry and plays নিৰ্বাচিত কবিতা আৰু নাটক	6
	SEC	SECH-301	Language in Film চলচ্চিত্ৰৰ ভাষা	4
	GE	GEH-301	Lexicography : Dictionary and Encyclopedia অভিধানতত্ত্ব : অভিধান আৰু বিশ্বকোষ	6
IV	Core	ASMCH-401	Cultural Behavior of the Assamese অসমীয়া সংস্কৃতি	6
		ASMCH-402	Study of an Important Author এজন বিশিষ্ট সাহিত্যিকৰ বিষয়ে অধ্যয়ন	6
		ASMCH-403	Assamese Prose অসমীয়া গদ্য সাহিত্য	6
	SEC	SECH-401	Art of Translation/Practical Translation অনুবাদ কলা / প্ৰায়োগিক অনুবাদ	4
	GE	GEH-401	Language and its use in Computer ভাষা আৰু কম্পিউটাৰত ইয়াৰ ব্যৱহাৰ	6
V	Core	ASMCH-501	Folk and performing Art লোক আৰু পৰিবেশ্য কলা	6
		ASMCH-502	Selected Texts : Novels and Short Stories নিৰ্বাচিত উপন্যাস আৰু চুটিগল্প	6
	DSE	DSEH-501	Literary Terms সাহিত্য বিদ্যা	6
		DSEH-502	Introduction to the Linguistic ভাষা বিজ্ঞানৰ প্ৰাথমিক পৰিচয়	6
VI	Core	ASMCH-601	Study of an Important Text বিশেষ এক সাহিত্যৰ অধ্যয়ন	6
		ASMCH-602	Comparative Indian Literature তুলনামূলক ভাৰতীয় সাহিত্য (কবিতা, চুটিগল্প, উপন্যাস)	6
	DSE	DSEH-601	Pali-Prakrit-Aprabhamsa Language and Literatur পালি-প্ৰাকৃত-অপভ্ৰংশ ভাষা আৰু সাহিত্য	6
		DSEH-602	Field Study ক্ষেত্ৰ অধ্যয়ন	6

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DICIPLINE SPECIFIC ELECTIVE COURSE

DSEH-602

Field Study/Dissertation

ক্ষেত্র অধ্যয়ন / ক্ষুদ্র গৱেষণা পত্ৰ

Full Marks : 100 (70+30)

ছাত্ৰ-ছাত্ৰীসকলে বিভাগীয় শিক্ষকৰ তত্ত্বাৱধানত কোনো বিশেষ জনগোষ্ঠী অথবা অঞ্চলৰ ভাষা, সাহিত্য, সংস্কৃতি, উৎসৱ-অনুষ্ঠান আদি যিকোনো এটা বিষয় অধ্যয়ন কৰি ক্ষুদ্র গৱেষণা পত্ৰ প্ৰস্তুত কৰিব। (৪০০০-৫০০০ শব্দৰ ভিতৰত)।

অথবা

কোনো বিশেষ অসমীয়া লেখকৰ জীৱন আৰু সাহিত্যকৃতিৰ বিষয়ে ক্ষুদ্র গৱেষণা পত্ৰ প্ৰস্তুত কৰিব। (৪০০০-৫০০০ শব্দৰ ভিতৰত)।

প্ৰসংগ পুথি :

- | | | |
|---|---|--------------|
| ১। গৱেষণা প্ৰণালী | : | নগেন শইকীয়া |
| ২। গৱেষণা প্ৰণালীতত্ত্ব | : | মহেন্দ্ৰ বৰা |
| ৩। Research Methodology in Social Science | : | C.R. Kothari |

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Department of Botany
CBCS syllabus on
Project Work/Field Study

SCHEME AND SYLLABUS UNDER CHOICE BASED CREDIT SYSTEM

B.Sc. WITH BOTANY & GENERAL ELECTIVES

Semester	Discipline Specific Core Course DSC (12)	Ability Enhancement Compulsory Courses AEC (2)	Skill Enhancement Courses SEC (4)	Discipline Specific Elective DSE (6)
I	DSC- I-Plant Biodiversity DSC- Zoology I DSC- Chemistry I	English Communication		
II	DSC- II (Plant Ecology And Taxonomy) DSC- Zoology II DSC- Chemistry II	Environmental Science		
III	DSC-III (Plant Anatomy and Embryology)) DSC- Zoology III DSC- Chemistry III		SEC-I (Ethnobotany)	
IV	DSC- IV (Plant Physiology and Metabolism) DSC- Zoology IV DSC- Chemistry IV		SEC-II (Mushroom Culture Technique)	
V			SEC-III (Plant Diversity & Human Welfare)	DSE- I (Analytical techniques in plant sciences) DSE-Zoology I DSE-Chemistry I
VI			SEC-IV (Nursery & Gardening)	DSE- II (Research methodology) DSE-Zoology II DSE-Chemistry II

DSC- II Practical Plant Ecology and Taxonomy

Marks-50

Credit-2

1. Meteorological Visit, Study of instruments used to measure microclimatic variables: Soil thermometer, maximum and minimum thermometer, anemometer, psychrometer/hygrometer, rain gauge and lux meter.
2. Determination of pH, and analysis of two soil samples for carbonates, chlorides, nitrates, sulphates, organic matter and base deficiency by rapid field test.
3. (a) Study of morphological adaptations of hydrophytes and xerophytes (four each).
(b) Study of biotic interactions of the following: Stem parasite (*Cuscuta*), Root parasite (Orobanche), Epiphytes, Predation (Insectivorous plants)
4. Determination of minimal quadrat size for the study of herbaceous vegetation in the college campus by species area curve method. (species to be listed)
5. Quantitative analysis of herbaceous vegetation in the college campus for frequency and comparison with Raunkiaer's frequency distribution law
6. Study of vegetative and floral characters of the following families (Description, V.S. flower, section of ovary, floral diagram/s, floral formula/e and systematic position according to Bentham & Hooker's system of classification): Brassicaceae - *Brassica*, *Alyssum* / *Iberis*; Asteraceae - *Sonchus/Launaea*, *Vernonia/Ageratum*, *Eclipta/Tridax*; Solanaceae - *Solanum nigrum*, *Withania*; Lamiaceae - *Salvia*, *Leucus*, *Ocimum*; Liliaceae - *Asphodelus* / *Lilium* / *Allium*. Musaceae- *Musa*
7. Mounting of a properly dried and pressed specimen of any wild plant with herbarium label (to be submitted in the record book).

Suggested Readings

1. Kormondy, E.J. (1996). Concepts of Ecology. Prentice Hall, U.S.A. 4th edition.
2. Sharma, P.D. (2010) Ecology and Environment. Rastogi Publications, Meerut, India. 8th edition.
3. Simpson, M.G. (2006). *Plant Systematics*. Elsevier Academic Press, San Diego, CA, U.S.A.
4. Singh, G. (2012). *Plant Systematics: Theory and Practice*. Oxford & IBH Pvt. Ltd., New Delhi. 3rd edition.

Department of Zoology
CBCS syllabus on
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COURSE STRUCTURE:

CHOICE BASED CREDIT SYSTEM FOR B.Sc. ZOOLOGY HONOURS

Semester	Honours core course (HCC)	Core course Name (14)	Ability Enhancement Compulsory Courses AEC (2)	Skill Enhancement Courses SEC (2)	Discipline Specific Elective DSE (4)	Generic Elective GE (4)
Semester I	ZOOHCC - 101	Non-chordates I: Protozoa and Metazoa	English Communication or MIL			GE - I
	ZOOHCC - 102	Principles of Ecology				
Semester II	ZOOHCC - 201	Non-chordates II: Coelomates	Environmental Science			GE - II
	ZOOHCC - 202	Cell Biology				
Semester III	ZOOHCC - 301	Diversity of Chordates		ZOOSEC-301 Apiculture		GE - III
	ZOOHCC - 302	Physiology: Controlling and Coordinating Systems				
	ZOOHCC - 303	Fundamentals of Biochemistry				
Semester IV	ZOOHCC - 401	Comparative Anatomy of Vertebrates		ZOOSEC-401 Medical Diagnostics		GE - IV
	ZOOHCC - 402	Physiology: Life Sustaining Systems				
	ZOOHCC - 403	Biochemistry of Metabolic Processes				
Semester V	ZOOHCC - 501	Molecular Biology			ZOODSE-501 Immunology	
	ZOOHCC - 502	Principles of Genetics			ZOODSE-502 Fish and Fisheries	
Semester VI	ZOOHCC - 601	Developmental Biology			ZOODSE-601 Reproductive Biology	
	ZOOHCC - 602	Evolutionary Biology			ZOODSE-602 Animal Behavior and Chronobiology	



ZOOHCC - 201: Non-chordates II: Coelomates (Practical)

Credits 2

Marks 30

1. Study of following specimens:
2. Annelids - *Nereis*, *Heteronereis*, *Chaetopterus*, *Pheretima*, *Hirudinaria*
3. Arthropods - *Limulus*, *Palaemon*, *Daphnia*, *Balanus*, *Sacculina*, *Cancer*, *Scolopendra*, *Julus*, *Bombyx*,
4. *Periplaneta*, *termites and honey bees*; Onychophora - *Peripatus*
5. Molluscs - *Chiton*, *Pila*, *Doris*, *Helix*, *Unio*, *Sepia*, *Octopus*, *Nautilus*
6. Echinodermates - *Pentaceros/Asterias*, *Ophiura*, *Echinus*, *Cucumaria* and *Antedon*
7. Study of digestive system, nephridia of earthworm and Leech through powerpoint presentation
8. T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm
9. To submit a Project Report on arthropoda and mollusca

Suggested Readings:

- Ruppert and Barnes, R.D. (2006). *Invertebrate Zoology*, VIII Edition. Holt Saunders International Edition
- Barnes, R.S.K., Calow, P., Olive, P. J. W., Golding, D.W. and Spicer, J.I. (2002). *The Invertebrates: A New Synthesis*, III Edition, Blackwell Science
- Barrington, E.J.W. (1979). *Invertebrate Structure and Functions*. II Edition, E.L.B.S. and Nelson
- Ganguly, Sinha and Adhikari – *Biology of Animals*, Vol I
- Parker and Hall – *Text Book of Zoology*, Vol I

Marks Distribution:

Internal	: 20 marks
Theory	: 50 marks
Practical	: 30 marks
Spotting	: 14 marks
Project	: 7 marks
Regularity	: 5 marks
Laboratory Notebook	: 2 marks
Viva voce	: 2 marks



**Assam University
Silchar - 788011**

ZOOHCC - 401: Comparative Anatomy of Vertebrates (Practical)

Credits 2

Marks 30

1. Study of placoid, cycloid and ctenoid scales through permanent slides/photographs
2. Disarticulated skeleton of Frog/Toad/Calotes/Fowl/Pigeon/Guineapig
3. Mammalian skulls: One herbivorous and one carnivorous animal
4. Dissection of rat to study arterial and urinogenital system through audio-visual aids
5. Study of structure of any two organs (heart, lung, kidney, eye and ear) from video recording
6. **Project on skeletal modifications in vertebrates**

Suggested Readings

- Kardong, K.V. (2005) *Vertebrates' Comparative Anatomy, Function and Evolution*. IV Edition. McGraw-Hill Higher Education
- Kent, G.C. and Carr R.K. (2000). *Comparative Anatomy of the Vertebrates*. IX Edition. The McGraw-Hill Companies
- Hilderbrand, M and Gaslow G.E. *Analysis of Vertebrate Structure*, John Wiley and Sons
- Walter, H.E. and Sayles, L.P; *Biology of Vertebrates*, Khosla Publishing House

Marks Distribution

Internal	: 20 marks
Theory	: 50 marks
Practical	: 30 marks
Identification	: 14 marks
Project	: 7 marks
Regularity	: 5 marks
Laboratory Notebook	: 2 marks
Viva voce	: 2 marks