

Bachelor in Business Administration (BBA)

Proposed Course Structure

SEM	Core Courses (C)	AFCC	SEC	DEI	GE
1	C1- Fundamentals of Management	C2- Statistics for Business	Communication English/MS-1 EVS-1		Managerial Economics/Finance & CSR (Any One)
2	C3- Organizational Behavior	C4 Financial Accounting	Communication English/MS-2 EVS-2		Business Mathematics & Business (Any One)
3	C5-Cost Accounting	C6- Macro Economics	C7- Human Resource Management	Personality Development & Communication Skills	Production & Operations Management
4	C8- Financial Management	C9- Principles of Marketing	C10- Business Research	IT Tools for Business	Entrepreneurship Development
5	C11- Management Science	C12- Management Consulting			1. Consumer Behavior and Writing Research/Writing Capital Management/2.

			Commerce/Human Resource Development (Any One) 2. Advertising and Promotion Management/India Banking System/ Management Information System/ Organizational Psychology (Any One)
5	C13- Business Policy & Strategy & Markets	C14- Summer Training Reports & Viva Voce	3. Services Marketing/Financial Services/Customer Relationship Management/Strategic Human Resource Management (Any One) 4. Rural Marketing/Insurance Management/Entrepreneurship Planning/Organizational Change (Any One)

Note: Each student shall be required to complete Summer Training of 6 weeks (not less than 4 hours per day) out of which 2 weeks shall be spent on on-the-job training while a week shall be allotted for the preparation and completion of the Summer Training Project Report in consultation with the allotted faculty. The Summer Training shall take place after 4th semester.

M. S. Kumar
4/1/19
L. Chandra
20/1/19
S. S. Srinivasan
20/1/19

BCA--SEMESTER-6th

(Examination to be held in May 2019, 2020 and 2021)

SKILL ENHANCEMENT COURSE

Course No.: UBCAPS-650

TITLE: Project

No. of Credits = 10

Total Marks = 250

External Examination = 150

Internal Assessment = 100

In Sixth semester project work will be assigned to the individual students or group of students in case of bigger project with prior permission of the faculty member of the department. The project work would be carried out in the department as an industrial or research application under the guidance of faculty member. The student is required to submit the certification of successful completion of project from the guide mentioning the total number of hours worked per week and conduct during the project period. A formal project report has to be submitted by each student to the respective guide in prescribed format. Internal evaluation would be carried out by the committee constituted comprising Head of Department, guide and other faculty members of the department. Student has to appear before committee for midterm presentation and final presentation. Committee will conduct the viva-voce; evaluate presentation, project report and demonstration of the project. External evaluation would be carried out by the external examiner appointed by the University and the internal examiner appointed by the college. Examiners will conduct the viva-voce; examine the presentation, project report and demonstration of the project.

Breakup for Internal Assessment:

- Attendance = 20 marks
- Mid Term Evaluation = 40 marks
- Final Evaluation = 40 marks

Project Guidelines

1. The students have to strictly follow the guidelines for the project work
2. Project has to select the project with approval of the guide.
3. Synopsis of the project would be submitted to the guide depicting the title of the project, DFDs, brief description of project etc.
4. Student is required to work in the Computer Lab. on project sanctioned.
5. The project report must be submitted in accordance with the prescribed format.
6. Project report would be submitted to the guide before prescribed date.
7. Two copies of the project report and the software CD must be submitted to the external examiner. One copy of the project shall be returned to the student with the signature of external examiner and the other one shall be retained in the library.
8. Students whose project work would found unsatisfactory shall be given another chance under same or another guide.
9. Students have to make presentations of project work during internal and external assessment.

Outlines of the Project Report

The project report should be prepared in a format prescribed by the department which should also specify the contents and methods of presentation.

(a) The project Report should consist of two parts: - Documentation and Source code.

(b) The source-code and the executable code have to be submitted on CD and student must demonstrate working of the software.

(c) The documentation must contain the Flow charts and Data Flow Diagrams.

(d) As far as possible, the Project should be on a real life problem

DETAILED PROFORMA FOR THE PROJECT REPORT

1. Title of the Project
2. Objectives
3. System Analysis and Design
4. Input to the Project
5. Output generated
6. Details of Hardware Platform used
7. Details of Software Tools used
8. Implementation Issues (Clearly defining the area of Application).
9. Miscellaneous
10. Signature of the Candidature.

Syllabus of Skill Enhancement Courses in English at UG level under CBCS for the Examination to be held in May 2018, 2019 & 2020

Semester IV

Skill Enhancement Course (SEC)

Title: Creative Writing

Course No. UENTS 403

Semester End Examination: 80

Credits: 4

Internal Assessment: 20

Duration of Examination:-2½ hrs

Total Marks: 100

Unit I: Fundamentals of Writing

1. Introduction
2. Lucidity and Directness
3. Authenticity and Credibility
4. Authorial Voice

Unit II: Structuring the Material

1. The Creative Impulse: Origin and thematic inclinations
2. Opening
3. Building a Climax
4. Appropriate Ending

Unit III: Ideas and their Dramatization

1. Situations and construction of the narrative
2. Dialogues and Monologues in different forms of Writing
3. Imagery and Symbolism
4. Readability

Unit IV: Preparing a Press Copy

1. Revising the draft and proof reading
2. Editing for correctness, consistency, appropriateness and proportion
3. Acknowledging the sources
4. Indexing

Suggested essential Activity : Workshop on creative writing (non-competitive)

Project work: The student may attempt any one of the following under the guidance of the teacher in 500 -1000 words.....20 marks

1. Writing a feature
2. Writing an article

SEMESTER-III

LAB COURSE FOR SKILL ENHANCEMENT IN ENVIRONMENTAL SCIENCES

(Internal Evaluation)

Course No: UESPS 302

Title: Laboratory Course

Credit:2

Duration of Examination: 3.0 hrs

Marks: 50

List of practicals for the examinations to be held in Dec.,2017 ; Dec., 2018 and Dec., 2019

1. Qualitative and Quantitative estimation of solid waste from Household/commercial /Institutional areas.
2. Cost estimation of recyclable waste generated from households /commercial /Institutional areas.
3. Estimate energy content of household solid waste.
4. Making recycled paper/paper items from used newspapers/paper.
5. Preparation and collection of items from recycled/reused material.
6. Laboratory demonstration of Vermi –composting
7. Laboratory demonstration of Aerobic Composting
8. Field visits to waste dumping/disposal site
9. Field visits to Solid Liquid Resource Management(SLRM)
10. Field visit to various Industries
11. Field visit to paper recycling unit or any other recycling unit
12. Field visit to plastic recycling unit or any other recycling unit.
13. Construction and working of Incinerators/biogas plants
14. Site selection and siting criteria for sanitary landfills in your area.

III. Note for Practical Course

Practicals would be conducted to give field experience/trainings to the students to manage the solid waste. Daily assessment record and attendance of the students would be maintained and each student would be evaluated (INTERNALLY) out of 50 marks at the end of the semester as per the following weightage

- a. Attendance – 20% (10 marks) (Below 75% -Zero, 75-80%-4 marks, 80-85%-6 marks, 85- 90% -8 marks and above 90% -10 marks).
- b. Day to day performance – 40% (20 marks)
- c. Practical test and viva voce- 40% i.e. 20% each (20 marks i.e. 10 marks each)

DISCIPLINE SPECIFIC ELECTIVE

Detailed Practical Syllabus in **Geography for B.A/ B. Sc Semester- VI** under CBCS for the Examination to be held in May 2019, 2020 and 2021

Course Code: UGOPE- 602

Credits: 2

Title: Field Study and Field Report

Total Marks: 50

Internal: 25

External: 25

Unit- 1

- 1.1. Field Work in Geographical Studies ó Role, Value, Data and Ethics of Field-Work
- 1.2. Defining the Field and Identifying the Case Study ó Rural / Urban / Physical / Human / Environmental.

Unit- II

Field Techniques ó Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non Participant), Questionnaires (Open/ Closed / Structured / Non-Structured); Interview with Special Focus on Focused Group Discussions; Space Survey (Transects and Quadrants,

Unit- III

Collection of information and data from the field with the field survey

Unit- IV

Designing the Field Report ó Aims and Objectives, Methodology, Analysis, Interpretation and Writing of the Report.

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

a. Internal Marks: 25

Attendance: 5 Marks

Internal Evaluation of Report and Viva: 20 Marks

b. External Marks: 25

Evaluation of Report and Viva: 25 Marks

Books Recommended

1. Creswell J., 1994: *Research Design: Qualitative and Quantitative Approaches* Sage Publications.
2. Dikshit, R. D. 2003. *The Art and Science of Geography: Integrated Readings*. Prentice-Hall of India, New Delhi.
3. Evans M., 1988: óParticipant Observation: The Researcher as Research Toolö in *Qualitative Methods in Human Geography*, eds. J. Eyles and D. Smith, Polity.
4. Stoddard R. H., 1982: *Field Techniques and Research Methods in Geography*, Kendall/Hunt.
5. Wolcott, H. 1995. *The Art of Fieldwork*. Alta Mira Press, Walnut Creek, CA

SYLLABY AND COURSES OF STUDY IN **GEOLOGY**

DISCIPLINE SPECIFIC ELECTIVE

For Examinations to be held in the years December 2018, 2019, 2020.

SEMESTER V

Course No **UGETE501**

Credit: **04**

Time: **2½ hours**

Title: Elements of Applied Geology

Maximum Marks: 100

External: --- 80 Marks

Internal: -- 20 Marks

Unit 1

- 1.1 Role of Engineering geologists in planning, design and construction of major man-made structural features
- 1.2 Rock aggregates; Significance as Construction Material
- 1.3 Soil and Soil groups of India.
- 1.4 Highways; constructions in Hilly area, marsh area, desert.
- 1.5 Environmental considerations for mining,

Unit 2:

- 2.1 Types of dams, Geology of dam sites
- 2.2 Forces acting on the Dams, problems associated with dam sites.
- 2.3 Geotechnical and environmental implications in the Dam construction.
- 2.4 Geology of reservoirs, Geological investigation of reservoir sites.
- 2.5 Problem associated with reservoirs and their remedial measures.

Unit-3

- 3.1 Constructions of the tunnels in the soft and hard rocks, problems and remedial measures.
- 3.2 **Tunnels: Geological investigation of tunnels sites.**
- 3.3 Bridges: Terminology, stability of bridges, foundation of the bridges.
- 3.4 Landslides: Classification of landslides., Causes of landslides and prevention of landslides.
- 3.5 **Case histories related to Indian Civil Engineering Projects**

Unit 4

- 4.1 Foundation treatment; Grouting, Rock Bolting and other support mechanisms
- 4.2 Intact Rock and Rock Mass properties
- 4.3 Concept, Mechanism and Significance of Rock Quality Designation (RQD).
- 4.4 Concept, Mechanism and Significance of Rock Structure Rating (RSR)
- 4.5 Concept, Mechanism of Rock Mass Rating (RMR)

Unit.5

- 5.1 Concept, Mechanism of Tunnelling Quality Index (Q)
- 5.2 Earthquakes cause corrective/Preventive measures.

- 5.3 Physical and engineering properties of soil.
- 5.4 Surface Methods of Geological investigations for civil engineering.
- 5.5 Surveying by Plane Table/Theodolite; Preparation of engineering geological maps; Engineering.

Books Recommended:

- 1. Krynin, D.P. and Judd W.R. Principles of Engineering Geology and Geotechnique, McGraw Hill.
- 2. Johnson, R.B. and De Graf, J.V. . Principles of Engineering Geology, John Wiley.
- 3. Valdiya, K.S.----- Environmental Geology – Indian Context. Tata McGraw Hill.
- 4. Krynine D.P. and Judd W.R.,----- Principles of Engineering Geology & Geotechnics. McGraw-Hill Book
- 5. Crozier. M.J.. ----Landslides: causes, consequences and environment. Academic Press.

Note for paper setting

Internal Assessment test (Total 20 marks; Time duration 1 hour): The internal assessment shall consist of one long answer type question of 10 marks and five short answer type questions of 2 marks each to be conducted after the completion of 50% syllabus from unit 1.1 to 2.2 (after 45 days).

Semester End Examination (Total 80 marks; Time duration - 2½ hours). The examination is to be conducted after completion of 100% of syllabus. The question paper shall consist of sections A, B and C .

Section A will consist of **05** short answer (70-80 words) questions of 03 marks each to be set from all the 5 unit i.e. at least one question from each unit. **All questions are to be attempted** by the candidate. (Total 15 marks)

Section B will consist of **05** medium answer (250-300 words) questions of 7 marks each to be set from all the 5 units i.e. at least one question from each unit. **All questions are to be attempted** by the candidate. (Total 35 marks).

Section C will consist of 4/5 long answer (500-600 words) questions of 15 marks each and to bet set from entire syllabus. **Any TWO questions are to be attempted** by the candidate. (Total 30 marks)

For Examinations to be held in the years December 2018, 2019, 2020.

SEMESTER V

Course No UGEPE502

Credit: 04

Time: 04 hours

Title: Practical -Elements of Applied Geology

Maximum Marks: 50

External: --- 25 Marks

Internal: -- 25 Marks

- 1. Computation of reservoir area, catchment area, reservoir capacity and reservoir life.
- 2. Merits, demerits & remedial measures based upon geological cross sections of project sites.
- 3. Computation of Index properties of rocks.
- 4. Computation of RQD, RSR, RMR and ‘Q’

6. Todd, D. K-----Groundwater hydrology, 2nd Ed., John Wiley & Sons, N.Y.
7. Davis, S. N. and De Weist, R.J.M.----- Hydrogeology, John Wiley & Sons Inc., N.Y.
8. Karanth K.R.-Groundwater assessment, Development and management, Tata McGraw-Hill Pub.Co. Ltd.

Note for paper setting

Internal Assessment test (Total 20 marks; Time duration 1 hour): The internal assessment shall consist of one long answer type question of 10 marks and five short answer type questions of 2 marks each to be conducted after the completion of 50% syllabus from unit 1.1 to 2.2 (after 45 days).

Semester End Examination (Total 80 marks; Time duration - 2½ hours). The examination is to be conducted after completion of 100% of syllabus. The question paper shall consist of sections A, B and C .

Section A will consist of **05** short answer (70-80 words) questions of 03 marks each to be set from all the 5 unit i.e. at least one question from each unit. **All questions are to be attempted** by the candidate. (Total 15 marks)

Section B will consist of **05** medium answer (250-300 words) questions of 7 marks each to be set from all the 5 units i.e. at least one question from each unit. **All questions are to be attempted** by the candidate. (Total 35 marks).

Section C will consist of 4/5 long answer (500-600 words) questions of 15 marks each and to be set from entire syllabus. **Any TWO questions are to be attempted** by the candidate. (Total 30 marks)

For Examinations to be held in the years March 2019, 2020, 2021

SEMESTER VI

Course No. : UGEPE602
Credit: 02
Time: 04 hours

Titles: Practical - Economic Geology & Hydrology
Maximum Marks: 50

External: -- 25 Marks
Internal:-- 25 Marks

1. Economic Geology:

Study of ore and economic minerals in hand specimen;

Preparation of maps showing distribution of important metallic and non-metallic deposits and important coal and oil fields of India.

2. Hydrology:

Estimation of porosity and permeability from the given data;
Preparation and interpretation of water table maps.

Note: The practical component shall be of 50 marks comprising of continuous class assessment, practical test and attendance. The breakup of marks shall be as follows:

University of Jammu, Jammu 180 006
SERICULTURE
SEMESTER-VI

Course No. USEPE602

Duration: 2½ Hours

Credit: 02

Course Title: Practical
Maximum Marks: 50
External: 25
Internal: 25

1. Morphology of egg, larva, pupa; Cocoon and moths of different non mulberry silkworms, different eco types of non mulberry silkworms.
2. Study of silk fabric manufacturing unit, powerloom and handloom (visit to spun silk mill), study of silk dyeing and printing unit -visit to practical centres.
3. Visit and report preparation of technical service centre (sericulture) and C.R.C's
4. Visit to sericulture research institution and preparing a bulletin on technologies developed.
5. Visit to cocoon market and anyone regulated agricultural market.
6. Discussion with NABARD, IDBI and a lead bank officer regarding sericulture credit facilities and procedures.
7. Preparation of a project detailing cost and economic in sericulture.
8. Visit to Research and Development Institute or Southern States of India (Educational Tour).
9. Visit to temperate and tropical sericulture states of India (Educational tour).

Distribution of 25 marks of Internal Assessment Practicals under CBCS

1. Daily evaluation of Practical records and Internal Practical Test: **15 Marks**

Marks obtained on the basis of day to day performance
in the lab/field = **08 marks**

Further distribution of marks on the basis of grades:

$\alpha = 9/10$

$\beta = 7/10$

$\gamma = 5/10$

To be converted out of 08 marks.

Internal Practical Test= **07 Marks**

B.SC. SEMESTER-V

Core Course No. : **UZOPC- 502**
Core Course Title : **APPLIED ZOOLOGY (PRACTICAL)**
CREDITS : **2**

- 1 Study of Sea anemone and hermit crab as an example of commensalism.
- 2 Study of Termite and *Trichonympha* as an example of mutualism.
- 3 Study of *Plasmodium vivax*, *Entamoeba histolytica*, *Trypanosoma gambiense*, *Ancylostoma duodenale* and *Wuchereria bancrofti* and their life stages through permanent slides/photomicrographs or specimens.
- 4 Preparation of stained slides and identification of bacteria from the curd culture.
- 5 Study of arthropod vectors associated with human diseases: *Pediculus*, *Culex*, *Anopheles*, *Aedes* and *Xenopsylla*.
- 6 Study of insect damage to different plant parts/stored grains through damaged products/photographs.
- 7 Identifying feature and economic importance of *Helicoverpa (Heliothis) Armigera*, *Papilio demoleus*, *Pyrilla perpusilla*, *Callosobruchus chinensis*, *Sitophilus oryzae* and *Tribolium castaneum* .
- 8 Morphometry and identification of locally available carp and cat fishes.
- 9 Visit to poultry farm, Dairyfarm and fish farm and submission of visit report.
- 10 Maintenance of freshwater aquarium
- 11 Viva-voce.

Note: There will be practical papers of 50 marks.

Internal Practical Assessment: 50% (25 marks) shall be reserved for internal assessment including 20% marks (5 marks) for attendance, 20% (5 marks) for viva and 20% (5 marks) for internal test and 40% (10 marks) for day-to-day performance.

External Practical Assessment: 50% (25 marks) shall be reserved for external assessment including 20% (5 marks) for viva and 80% (20 marks) for practical paper.

B.SC. SEMESTER-VI

Core Course No.	:	UZOPC- 602
Core Course Title	:	INSECT VECTORS AND DISEASES (PRACTICAL)
CREDITS	:	2

1. Study of head, antennae and different kinds of mouth parts of insects
2. Study of following insect vectors through permanent slides/ photographs: *Aedes*, *Culex*, *Anopheles*, *Pediculus humanus capitis*, *Pediculus humanus corporis*, *Phthirus pubis*, *Xenopsyllacheopsis*, *Cimex lectularius*, *Phlebotomus argentipes*, *Musca domestica*, through permanent slides/Photographs.
3. Study of different diseases transmitted by above insect vectors.
4. Submission of a project report on any one of the insect vectors and disease transmitted
5. Viva-Voce

Note: There will be practical papers of 50 marks.

Internal Practical Assessment: 50% (25 marks) shall be reserved for internal assessment including 20% marks (5 marks) for attendance, 20% (5 marks) for viva and 20% (5 marks) for internal test and 40% (10 marks) for day-to-day performance.

External Practical Assessment: 50% (25 marks) shall be reserved for external assessment including 20% (5 marks) for viva and 80% (20 marks) for practical paper.