

**MODIFIED CBCS CURRICULUM OF
NCC GENERAL PROGRAMME**

SUBJECT CODE = 00

FOR UNDER GRADUATE COURSES UNDER RANCHI UNIVERSITY



Implemented from
Academic Session 2021-2024



**Members of Board of Studies of CBCS Under- Graduate Syllabus as per
Guidelines of the Ranchi University, Ranchi.**

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17/04/22*


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COURSE STRUCTURE FOR UNDERGRADUATE '**GENERAL**' PROGRAMME**Table A -1: Distribution of 120 Credits** [*wherever there is a practical there will be no tutorial and vice –versa.]

Course	Papers	Credits	
		Theory + Practical	Theory + Tutorial
I. Core Course	(DSC A to D)		
04 Courses from each of the 03 discipline of choice			
Theory	4x3=12 Papers	12X4=48	12X5=60
Practical/Tutorial*	4x3=12 Papers	12X2=24	12X1=12
II. Elective Course (EC)			
A. Discipline Specific Elective	(DSE A & B)		
02 Courses from each of the 03 discipline of choice			
Theory	2X3=6 Papers	6X4=24	6X5=30
Practical/ Tutorial*	2X3=6 Papers	6X2=12	6X1=6
III. Ability Enhancement Compulsory Courses (AECC)			
1. English/ MIL Communication/ MIL+NH/ Business Communication for Commerce	1 Paper	1X2=2	1X2=2
2. Environmental Science	1 Paper	1x2=2	1x2=2
3. Skill Enhancement Course of the Core Course opted	(SEC 1, 2, 3 & 4) 4 Papers	4X2=8	4X2=8
Total Credit = 120		= 120	

Table A -2: Course structure for B.Sc. (Undergraduate Programme)

Semester	Course (Core Courses) 12 Papers	Allied (Elective Courses) 6 Papers	Ability Enhancement (Compulsory Courses) 6 Papers	Total Credits
Sem-I	DSC-1A, DSC-2A, DSC-3A (6+6+6=18 Credits)	---	Eng / Hindi Comm/ NH+MB (02 Credits)	20 Credits
Sem-II	DSC-1B, DSC-2B, DSC-3B (6+6+6=18 Credits)	---	EVS (02 Credits)	20 Credits
Sem-III	DSC-1C, DSC-2C, DSC-3C (6+6+6=18 Credits)	---	SEC-1 (02 Credits)	20 Credits
Sem-IV	DSC-1D, DSC-2D, DSC-3D (6+6+6=18 Credits)	---	SEC-2 (02 Credits)	20 Credits
Sem-V	---	DSE-1A, DSE-2A, DSE-3A (6+6+6=18 Credits)	SEC-3 (02 Credits)	20 Credits
Sem-VI	---	DSE-1B, DSE-2B, DSE-3B (6+6+6=18 Credits)	SEC-4 (02 Credits)	20 Credits

Total = 120 Credits

COURSES OF STUDY FOR UNDERGRADUATE 'B. Sc. General' PROGRAMME

**Table A -3: Basic Course structure for SCIENCE/ARTS/COMMERCE (Undergraduate Programme)
Total:120 Credits**

Sem	Course (Core Courses)		Allied (Elective Courses)		Ability Enhancement (Compulsory Courses)	
	Code	4 x 3 = 12 Papers	Code	2 x 3 = 6 Papers	Code	1 + 1 + 4 = 6 Papers
I	DSC1A DSC2A DSC3A	Core Subject 1; Paper A Core Subject 2; Paper A Core Subject 3; Paper A			Compulsory Language Communication ENG/ MIL/ MIL+NH	
II	DSC1B DSC2B DSC3B	Core Subject 1; Paper B Core Subject 2; Paper B Core Subject 3; Paper B			EVS	Environmental Science
III	DSC1C DSC2C DSC3C	Core Subject 1; Paper C Core Subject 2; Paper C Core Subject 3; Paper C			SEC1	SEC1: Elementary Computer Application Softwares + Lab
IV	DSC1D DSC2D DSC3D	Core Subject 1; Paper D Core Subject 2; Paper D Core Subject 3; Paper D			SEC2	SEC2 of Either Core Subject 1,2 or 3
V			DSE1A DSE2A DSE3A	Core Subject 1 Core Subject 2 Core Subject 3	SEC3	SEC3 of same subject opted in Sem III
VI			DSE1B DSE2B DSE3B	Core Subject 1 Core Subject 2 Core Subject 3	SEC4	SEC4 of same subject opted in Sem III

Table A -4: Course structure for NCC (Undergraduate Programme)**Total: 120 Credits**

Semester	Course (Core Courses)		Allied (Elective Courses)		Ability Enhancement (Compulsory Courses)	
	Code	4 Papers	Code	2 Papers	Code	4 Papers
I	DSC-A	Organization & National Integration + Pr			Compulsory Language Communication	
II	DSC-B	Leadership, Social Services & Carrier Counselling + Pr			EVS	Environmental Science
III	DSC-C	Leadership, Disaster Management-I & Civil Defence (CD) + Pr			SEC1	Elementary Computer Application Software
IV	DSC-D	Military History, Disaster Management-II, Health Hygiene & First Aid + Pr			SEC2	SEC to be opted from other two subjects opted
V			DSE-A	Communication, Nature Awareness, Military History And Gallantry Awards	SEC3	SEC Paper of same subject opted in Sem IV
VI			DSE-B	Personality Development, Armed Forces and Military History	SEC4	SEC Paper of same subject opted in Sem IV

SEMESTER I

4 Papers**Total 100 x 4 = 400 Marks****I. ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)**

(Credits: Theory-02)

Any One Compulsory Language Communication Prescribed by Ranchi University:

English Communication/ Hindi Communication / NH + MB Communication

II. CORE COURSE –DSC-A:

(Credits: Theory-04, Practicals-02)

Marks : 75 (ESE: 3Hrs) + 25 (Pr 3Hrs)=100**Pass Marks: Th ESE = 30 + Pr ESE =10***Instruction to Question Setter for
End Semester Examination (ESE):*

There will be two group of questions. Group A is compulsory and will contain two questions. Question No.1 will be very short answer type consisting of ten questions of 1 mark each. Question No.2 will be short answer type of 5 marks. Group B will contain descriptive type six questions of fifteen marks each, out of which any four are to answer.

Note: There may be subdivisions in each question asked in Theory Examinations.

ORGANIZATION & NATIONAL INTEGRATION**Theory: 60 Lectures of 1 Hr. each****Unit – 01: Organization**

1. NCC Aims, Motto, NCC Flag, Administration
2. NCC Organization, Different types of Camp Training.
3. Certificate examination, Incentives for NCC Cadets, Honours and Awards in NCC
4. Introduction to services – Organization Badges of Rank of Army, Navy and Air Forces

Unit – 02: National Integration

1. Meaning and Importance
2. Religious and Customs of India
3. National Integration through corporate living and co-operative achievement
4. Roll of NCC in nation building
5. Indian History and Culture

Unit – 03: Social Service and Community Development

1. Basics of social service and its need, Types of social service activities,
 2. Objectives of rural development programs and its importance,
 3. NGO's and their contribution in social welfare,
 4. Roll of NCC in Nation building
-

NCC PRACTICAL- DSC A PRACTICAL**60 Lectures****Marks : 25 (Pr 3Hrs)=25****Pass Marks: Pr ESE =10*****Instruction to Question Setter for******End Semester Examination (ESE):***

There will be one Practical Examination of 3Hrs duration. Evaluation of Practical Examination may be as per the following guidelines:

<i>Practical</i>	<i>= 15 marks</i>
<i>Practical Record</i>	<i>= 5 marks</i>
<i>Viva-voce</i>	<i>= 5 marks</i>

ORGANIZATION & NATIONAL INTEGRATION**Practical: 30 Lectures of 2 Hrs. each****Foot Drill.**

1. Understand that drill as the foundation for discipline and to command a group for common goal.
 2. Appreciate grace and dignity in the performance of foot drill
 3. Drill ki Aam Hidayaten, Word of Command, Savdhan, Vishram, Aram Se, Murdna, Kadvar Sizing, Teen Line Banana, Khuli Line, Nikat Line, Khade Khade Salute Karna Parade Par, Visarjan, Line Tod, Tej Chal, Tham aur Dhire Chal, Tham.
-

SEMESTER II

4 Papers**Total 100 x 4 = 400 Marks****I. ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)**

(Credits: Theory-02)

Marks : 100 (ESE: 3Hrs) =100	Pass Marks Th ESE = 40
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*Instruction to Question Setter for**End Semester Examination (ESE):**There will be **objective type test** consisting of hundred questions of 1 mark each. Examinees are required to mark their answer on **OMR Sheet** provided by the University.***AECC – ENVIRONMENT STUDIES****Theory: 30 Lectures****Unit 1 : Introduction to environmental studies**

- Multidisciplinary nature of environmental studies;
- Scope and importance; Concept of sustainability and sustainable development.

(2 lectures)**Unit 2 : Ecosystems**

- What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems :
 - a. Forest ecosystem
 - b. Grassland ecosystem
 - c. Desert ecosystem
 - d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

(2 lectures)**Unit 3 : Natural Resources : Renewable and Non---renewable Resources**

- Land resources and landuse change; Land degradation, soil erosion and desertification.
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.
- Water : Use and over---exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter---state).
- Energy resources : Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

(5 lectures)**Unit 4 : Biodiversity and Conservation**

- Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots
- India as a mega---biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity : Habitat loss, poaching of wildlife, man---wildlife conflicts, biological invasions; Conservation of biodiversity : In---situ and Ex---situ conservation of biodiversity.

Session 2021-24 onwards

- Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

(5 lectures)

Unit 5 : Environmental Pollution

- Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- Solid waste management : Control measures of urban and industrial waste.
- Pollution case studies.

(5 lectures)

Unit 6 : Environmental Policies & Practices

- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.

(4 lectures)

Unit 7 : Human Communities and the Environment

- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management : floods, earthquake, cyclones and landslides.
- Environmental movements : Chipko, Silent valley, Bishnois of Rajasthan.
- Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).

(3 lectures)

Unit 8 : Field work

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- Visit to a local polluted site---Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems---pond, river, Delhi Ridge, etc.

(Equal to 4 lectures)

Suggested Readings:

- Raziuddin, M., Mishra P.K. 2014, *A Handbook of Environmental Studies*, Akanaksha Publications, Ranchi.
- Mukherjee, B. 2011: *Fundamentals of Environmental Biology*. Silverline Publications, Allahabad.
- Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
- Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
- Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
- Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
- Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.

- Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339: 36---37.
 - McCully, P. 1996. *Rivers no more: the environmental effects of dams*(pp. 29---64). Zed Books.
 - McNeill, John R. 2000. *Something New Under the Sun: An Environmental History of the Twentieth Century*.
 - Odum, E.P., Odum, H.T. & Andrews, J. 1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
 - Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. *Environmental and Pollution Science*. Academic Press.
 - Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co. Pvt. Ltd.
 - Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*. 8th edition. John Wiley & Sons.
 - Rosencranz, A., Divan, S., & Noble, M. L. 2001. *Environmental law and policy in India*. Tripathi 1992.
 - Sengupta, R. 2003. *Ecology and economics: An approach to sustainable development*. OUP.
 - Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
 - Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology: Voices from the Tropics*. John Wiley & Sons.
 - Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent*.
 - Warren, C. E. 1971. *Biology and Water Pollution Control*. WB Saunders.
 - Wilson, E. O. 2006. *The Creation: An appeal to save life on earth*. New York: Norton.
 - World Commission on Environment and Development. 1987. *Our Common Future*. Oxford University
-

II. CORE COURSE –DSC-B:

(Credits: Theory-04, Practicals-02)

Marks : 75 (ESE: 3Hrs) + 25 (Pr 3Hrs)=100**Pass Marks: Th ESE = 30 + Pr ESE =10*****Instruction to Question Setter for
End Semester Examination (ESE):***

There will be two group of questions. Group A is compulsory and will contain two questions. Question No.1 will be very short answer type consisting of ten questions of 1 mark each. Question No.2 will be short answer type of 5 marks. Group B will contain descriptive type six questions of fifteen marks each, out of which any four are to answer.

Note: There may be subdivisions in each question asked in Theory Examinations.

LEADERSHIP, SOCIAL SERVICES & CARRIER COUNSELLING**Theory: 60 Lectures of 1 Hr. each****Unit – 01: Leadership**

1. Leadership definition.
2. Important Leadership traits, Indicators of leadership and evaluation.
3. Motivation- Meaning & concept, Types of motivation. Factors affecting motivation.
4. Ethics and Honor codes

Unit – 02 : Social Services

1. Protection of Children & Women Safety.
2. Road/Rail Safety.
3. New Government Initiatives.
4. Cyber and mobile Security Awareness

Unit - 03 : Carrier Counselling

1. Carrier option in services – Army, Navy, Air Forces
 2. Traffic rules and road signals – Crossing of Roads, Zebra Crossing, Sub Ways, Over Head Bridges etc.
 3. Road Safety Rule
 4. Traffic Signals
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NCC PRACTICAL- DSC B PRACTICAL**60 Lectures****Marks : 25 (Pr 3Hrs)=25****Pass Marks: Pr ESE =10*****Instruction to Question Setter for******End Semester Examination (ESE):***

There will be one Practical Examination of 3Hrs duration. Evaluation of Practical Examination may be as per the following guidelines:

<i>Practical</i>	<i>= 15 marks</i>
<i>Practical Record</i>	<i>= 5 marks</i>
<i>Viva-voce</i>	<i>= 5 marks</i>

LEADERSHIP, SOCIAL SERVICES & CARRIER COUNSELLING**Practical: 30 Lectures of 2 Hrs. each****Foot Drill**

1. Dahine, Baen, Aage aur Piche Kadam Lena.
 2. Tej Chal se Murdna, Tej Chal se Salute Karna, Tej Kadam Taal aur Tham, Tej Kadam Taal se Kadam Badalna.
 3. Teeno Teen se Ek File aur ek file se Teeno Teen Banana
-

SEMESTER III

4 Papers**Total 100 x 4 = 400 Marks****I. SKILL ENHANCEMENT COURSE SEC 1:** (Credits: Theory-02)

All Four Papers (One paper to be studied in each semester) of any One Subject to be opted from either of the Core Subjects opted for General Courses of Study. Refer Content from the Syllabus of opted Skill Enhancement Course Subject.

II. CORE COURSE –DSC-C: (Credits: Theory-04, Practicals-02)

Marks : 75 (ESE: 3Hrs) + 25 (Pr 3Hrs)=100	Pass Marks: Th ESE = 30 + Pr ESE =10
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*Instruction to Question Setter for
End Semester Examination (ESE):*

There will be two group of questions. Group A is compulsory and will contain two questions. Question No.1 will be very short answer type consisting of ten questions of 1 mark each. Question No.2 will be short answer type of 5 marks. Group B will contain descriptive type six questions of fifteen marks each, out of which any four are to answer.

Note: There may be subdivisions in each question asked in Theory Examinations.

LEADERSHIP, DISASTER MANAGEMENT-I & CIVIL DEFENCE (CD)**Theory: 60 Lectures of 1 Hr. each****Unit 01: Leadership Development**

1. Case Studies – APJ Abdul Kalam, Deepa Malik, Maharana Pratap, N Narayan Murthy.

Unit 02: Disaster management

1. Disaster Management Capsule.
2. Organisation.
3. Types of Disasters.
4. Essential Services.
5. Assistance.
6. Civil Defence Organisation.
7. Adventure: Adventure activities.
8. Border & Coastal Areas: History, Geography & Topography of Border/ Coastal Areas

Unit 03: Civil Defence (CD)

1. Aims of civil Defence
 2. Civil Defence Services
 3. Fire Fighting
 4. Protection from Air Raid
-

NCC PRACTICAL- DSC C PRACTICAL**60 Lectures****Marks : 25 (Pr 3Hrs)=25****Pass Marks: Pr ESE =10*****Instruction to Question Setter for******End Semester Examination (ESE):***

There will be one Practical Examination of 3Hrs duration. Evaluation of Practical Examination may be as per the following guidelines:

<i>Practical</i>	<i>= 15 marks</i>
<i>Practical Record</i>	<i>= 5 marks</i>
<i>Viva-voce</i>	<i>= 5 marks</i>

LEADERSHIP, DISASTER MANAGEMENT-I & CIVIL DEFENCE (CD)**Practical: 30 Lectures of 2 Hrs. each****Drill with arms**

1. Rifle ke saath Savdhan, Vishram aur Aram se.
 2. Rifle ke saath Parade Par aur Saj, Rifle ke saath Visarjan, Line Tod.
 3. Bhumi Shastra aur Uthao Shastra, Bagal Shastra aur Baju Shastra.
-

SEMESTER IV**4 Papers****Total 100 x 4 = 400 Marks****I. SKILL ENHANCEMENT COURSE SEC 2: (Credits: Theory-02)**

All Four Papers (One paper to be studied in each semester) of any One Subject to be opted from either of the Core Subjects opted for General Courses of Study. Refer Content from the Syllabus of opted Skill Enhancement Course Subject.

II. CORE COURSE –DSC-D: (Credits: Theory-04, Practicals-02)**Marks : 75 (ESE: 3Hrs) + 25 (Pr 3Hrs)=100****Pass Marks: Th ESE = 30 + Pr ESE =10*****Instruction to Question Setter for******End Semester Examination (ESE):***

There will be **two** group of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of ten questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type** six questions of fifteen marks each, out of which any four are to answer.

Note: There may be subdivisions in each question asked in Theory Examinations.

MILITARY HISTORY, DISASTER MANAGEMENT-II, HEALTH HYGIENE & FIRST AID**Theory: 60 Lectures of 1 Hr. each****Unit - 01: Military History**

1. Geographical factors and their influence on DEFENCE of a country
2. India's geography and its bearing on its DEFENCE
3. BATTLE /Wars in India
4. National Movement

Unit – 02: Disaster Management

1. Introduction, Classification of Disaster
2. Natural Disaster & Man-made disaster
3. Disaster management during flood, cyclone
4. Assistance in removal of Debris, Collection and Distribution of Aid Material

Unit- 03: Health Hygiene & First Aid

1. Personal Hygiene and preventive disease
2. Water supply, purification & disposal of Garbage
3. Hemorrhage, Wounds, Burns
4. Snake Bite & Dog Bite
5. Introduction to Yoga & Different Asana

NCC PRACTICAL- DSC D PRACTICAL**60 Lectures****Marks : 25 (Pr 3Hrs)=25****Pass Marks: Pr ESE =10*****Instruction to Question Setter for******End Semester Examination (ESE):***

There will be one Practical Examination of 3Hrs duration. Evaluation of Practical Examination may be as per the following guidelines:

<i>Practical</i>	<i>= 15 marks</i>
<i>Practical Record</i>	<i>= 5 marks</i>
<i>Viva-voce</i>	<i>= 5 marks</i>

MILITARY HISTORY, DISASTER MANAGEMENT-II, HEALTH HYGIENE & FIRST AID**Practical: 30 Lectures of 2 Hrs. each**

1. YOGASANA: -
 - a. Padamsana,
 - b. Gyan Mudra,
 - c. Siddhasana,
 - d. Vajrasana,
 - e. Halasana,
 - f. Chakrasana,
 - g. Dhanurasana,
 - h. Sarvaangasana,
 - i. Surya Namaskar,
 - j. Shavasana
 2. First Aid in common medical emergencies.
 3. Treatment and care of wounds
-

SEMESTER V

4 Papers**Total 100 x 4 = 400 Marks****I. SKILL ENHANCEMENT COURSE SEC 3:** (Credits: Theory-02)

All Four Papers (One paper to be studied in each semester) of any One Subject to be opted from either of the Core Subjects opted for General Courses of Study. Refer Content from the Syllabus of opted Skill Enhancement Course Subject

II. NCC SPECIFIC –DSE A: (Credits: Theory-05, Tutorials-01)

Marks : 75 (ESE: 3Hrs) =75

Pass Marks: Th (ESE) = 30

***Instruction to Question Setter for
End Semester Examination (ESE):***

*There will be two group of questions. **Group A is compulsory** and will contain two questions. **Question No.1 will be very short answer type** consisting of ten questions of 1 mark each. **Question No.2 will be short answer type** of 5 marks. **Group B will contain descriptive type** six questions of fifteen marks each, out of which any four are to answer.*

Note: There may be subdivisions in each question asked in Theory Examinations

**COMMUNICATION, NATURE AWARENESS, MILITARY HISTORY AND
GALLANTRY AWARDS**

Theory: 75 Lectures Tutorial: 15 Lectures**Unit 01: Communication**

1. Types of Communication, Advantages/ Disadvantages
2. Communication Media
3. Characteristics of ANPRC radio set
4. Characteristics of Walkie Talkie
5. Line Communication
6. Latest Trends and developments.

Unit 02: Nature Awareness

1. Conservation of Environment
2. Global Warming /Acid Rain, Depletion of Ozone Layer
3. Forest Ecology
4. Pollution control – Air, Soil, Water

Unit 03: Military History and Gallantry Awards

1. Study and Battle (Indo –Pak War 1965, 1971) Indo – China War
 2. Param Vir Chakra, Ashoka Chakra, Maha Vir Chakra, Kirti Chakra, Vir Chakra, Shaurya Chakra
-

NCC PRACTICAL- DSE A PRACTICAL**60 Lectures****Marks : 25 (Pr 3Hrs)=25****Pass Marks: Pr ESE =10***Instruction to Question Setter for**End Semester Practical Examination (ESE):***Distribution of Marks in Practical Examination:****Total = 25 Marks** [Experiment = 15; Record = 5; Viva = 5]**Practicals:**

1. (Army, Navy, Air Forces) Rank Identification
 2. Gallantry Award Identification
(Param Vir Chakra, Ashoka Chakra, Maha Vir Chakra, Kirti Chakra, Vir Chakra, Shaurya Chakra)
 3. Viva Voce on important appointment in defense services
-

SEMESTER VI

4 Papers**Total 100 x 4 = 400 Marks****I. SKILL ENHANCEMENT COURSE SEC 4:** (Credits: Theory-02)

All Four Papers (One paper to be studied in each semester) of any One Subject to be opted from either of the Core Subjects opted for General Courses of Study. Refer Content from the Syllabus of opted Skill Enhancement Course Subject

II. NCC SPECIFIC –DSE B: (Credits: Theory-04, Practicals-02)

Marks : 75 (ESE: 3Hrs)	Pass Marks: Th (ESE) = 30
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***Instruction to Question Setter for
Mid Semester Examination (MSE):***

There will be **two** group of questions. **Group A is compulsory** and will contain five questions of **very short answer type** consisting of 1 mark each. **Group B will contain descriptive type** six questions of five marks each, out of which any four are to answer.

PERSONALITY DEVELOPMENT, ARMED FORCES AND MILITARY HISTORY

Theory: 75 Lectures**Unit: 01: Personality Development**

1. Career Counseling.
2. SSB Procedure.
3. Interview Skills.

Unit 02: Armed Forces

1. Modes of Entry into Army, Navy, Air Force, Police and different Para Military Forces

Unit 03: Military History.

1. Biographies of Renowned Generals. (Field Marshal Sam Manikshaw, K M Kariappa)
 2. War Heroes: Param Veer Chakra Awardees.
 3. Study of Battles of Kargil.
 4. War Movies.
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NCC PROJECT- DSE B PROJECT

Marks : 25 (Pr 3Hrs)=25	Pass Marks: Pr ESE =10
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Instruction to Question Setter for

End Semester Practical Examination (ESE):

Distribution of Marks in Project Evaluation:

Total = 25 Marks [Record = 20; Viva = 5]

Project:

1. Project work on Nature and Our Environment (Pollution and Pollutants, Global Warming, Acid Rain, Rain Water Harvesting.
 2. Tree Plantation
-

SAMPLE CALCULATION FOR SGPA & CGPA FOR UNDERGRADUATE 'B.Sc./B.A./B.Com
General' PROGRAMME

Distribution of Credits Semester wise for Undergraduate Courses

Table B-1: UG (B.A./ B.Sc./B.Com. Programme)

Semester wise distribution of 120 Credits

	CC	AECC	GE	SEC	DSE	Total Credits
Semester I	18	02				20
Semester II	18	02				20
Semester III	18			02		20
Semester IV	18			02		20
Semester V				02	18	20
Semester VI				02	18	20
	72	04		08	36	120

CC=Core Course; AECC=Ability Enhancement Compulsory Course; GE=Generic Elective; SEC=Skill Enhancement Course; DSE=Discipline Specific Elective

Table B-2: Sample calculation for SGPA for B.A./B.Sc./B.Com. Program

Course	Credit	Grade Letter	Grade Point	Credit Point (Credit X Grade)	SGPA (Credit Point/Credit)
Semester I					
DSC - 1A	06	B	6	36	
DSC - 2A	06	B+	7	42	
DSC - 3A	06	C	5	30	
AECC – 1	02	B	6	12	
Total	20			120	6.0 (120/20)
Semester II					
DSC - 1B	06	B	6	36	
DSC - 2B	06	B	6	36	
DSC - 3B	06	C	5	30	
AECC – 2	02	A+	9	18	
Total	20			120	6.0 (120/20)
Semester III					
DSC - 1C	06	A	8	48	
DSC - 2C	06	A+	9	54	
DSC - 3C	06	A	8	48	
SEC – 1	02	A	8	16	
Total	20			166	8.3 (166/20)
Semester IV					
DSC - 1D	06	C	5	30	
DSC - 2D	06	B	6	36	
DSC - 3D	06	B+	7	42	
SEC - 2	02	A+	9	18	
Total	20			126	6.3 (126/20)
Semester V					
DSE - 1A	06	B	6	36	
DSE - 2A	06	A+	9	54	
DSE - 3A	06	A	8	48	
SEC – 3	02	B	6	12	
Total	20			150	7.5 (150/20)
Semester VI					
DSE - 1B	06	B+	7	42	
DSE - 1B	06	B	6	36	
DSE - 1B	06	C	5	30	
SEC - 4	02	C	5	10	
Total	20			118	5.9 (118/20)
CGPA					
Grand Total	120			800	6.67 (800/120)

Table B- 3: Sample calculation for CGPA for B.A./B.Sc./B.Com. Program

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI
Credit:20; SGPA: 6.0	Credit:20; SGPA: 6.0	Credit:20; SGPA: 8.3	Credit:20; SGPA: 6.3	Credit:20; SGPA: 7.5	Credit:20; SGPA: 5.9

Thus CGPA= (20x6.0+20x6.0+20x8.3+20x6.3+20x7.5+20x5.9)/120=6.67

FORMAT OF QUESTION PAPER FOR END SEM EXAMINATION

OF

75 MARKS



Ranchi University, Ranchi

End Sem No.Exam Year

Subject/ Code

F.M. =75**P.M.** =40 (Including Mid Sem)**Time** =3Hrs.

General Instructions:

- i. **Group A** carries very short answer type **compulsory** questions.
- ii. **Answer 4 out of 6** subjective/ descriptive questions given in **Group B**.
(खंड 'B' के छः में से किन्हीं चार विषयनिष्ठ/ वर्णनात्मक प्रश्नों के उत्तर दें।)
- iii. Answer in your own words as far as practicable.
(यथासंभव अपने शब्दों में उत्तर दें।)
- iv. Answer all sub parts of a question at one place.
(एक प्रश्न के सभी भागों के उत्तर एक साथ लिखें।)
- v. Numbers in right indicate full marks of the question.
(पूर्णांक दायीं ओर लिखे गये हैं।)

Group A

1. [10x1=10]
- i.
 - ii.
 - iii.
 - iv.
 - v.
 - vi.
 - vii.
 - viii.
 - ix.
 - x.

2. [5]

Group B

3. [15]
4. [15]
5. [15]
6. [15]
7. [15]
8. [15]

Note: There may be subdivisions in each question asked in Theory Examination.