

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.



CIRCULAR NO./SYLLABUS./Faculty of INTERDISCIPLINARY STUDIES./B.VOC./68/2021.

It is hereby informed to all concerned that, on the recommendation of Ad-hoc Board in Vocational Studies and Dean, Faculty of Interdisciplinary Studies, the Hon'ble Vice-Chancellor has **accepted the curriculum of following B.Voc. Courses under Choice Based Credit and Grading System** in his emergency powers under Section-12 [7] of the Maharashtra Public Universities Act, 2016 on behalf of the Academic Council as appended herewith:

Sr.No.	Course Name	Semester
1.	B.Voc in Theatre Techniques	I & II
2.	B.Voc in Performing folk Art	I & II
3.	B.Voc in Fashion Designing	OneYear Diploma
4.	B.Voc in Media & Entertainment	I & II
5.	B.Voc in Rural Health care & sanitation - Revised Syllabus	I & VI
6.	B.Voc in Music	I & II
7.	B.Voc in Sports Physical Education and Fitness	III & VI

This is effective from the **Academic Year 2020-21 and 2021-22** and onwards. This curriculum is also available on the University website www.bamu.ac.in.

All concerned are requested to note the contents of the circular and bring notice to the students, teachers and staff for their information and necessary action.

University campus,
Aurangabad-431 004.

Ref. No.SU/B.voc./Curri./2021-22/

Date: 13.12.2021

5273-83

**Deputy Registrar,
Academic [Syllabus]
Section.**

Copy forwarded with compliments to :-

- 1] **The Principal All Affiliated Concerned Colleges, Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.**
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload the curriculum along with this Circular on University Website.**

Copy to :-

- 1] The Director, Board of Examinations & Evaluation, Dr.BAMU, A'bad
- 2] **The Concerned Section, Examination Branch,**
- 3] The Section Officer, [Eligibility Unit],
- 4] **The Programmer [Computer Unit-1] Examinations, section, Dr.BAMU, A'bad**
- 5] **The Programmer [Computer Unit-2] Examinations, section, Dr.BAMU, A'bad**
- 6] The In-charge, [E-Suvidha Kendra],
- 7] The B.Voc Section, Dr.BAMU,A'bad
- 8] The Public Relation Officer,
- 9] The Record Keeper,

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY
AURANGABAD**



SYLLABUS OF
BACHELOR OF VOCATIONAL
IN

**B.Voc in Rural Health Care &
Sanitation- Revised Syllabus
SEMESTER- I & VI**

Choice Based Credit System

Effective from the Academic Year
2020-21 and 2021-22 & Onwards



सौ.केशरबाई सोनाजीराव क्षीरसागर उर्फ कावू कला,विज्ञान व वाणिज्य महाविद्यालय,बीड



NAAC reaccredited - A Grade
[3.18 CGPA as per New RAF]



ISO- 9001:2015



Green audit

प्राचार्य
डॉ.सौ.डी.बी.क्षीरसागर

सचिव
डॉ.भारतभूषण क्षीरसागर

Website-kskcollegebeed.com E-mail-kskbeed123@rediffmail.com Ph.(02442)222641 Fax-02442)230197

जा.क्र.केएसकेसीबी/२०२०-२०२१/३४२

दिनांक १३/०३/२०२१

15/03/2021

प्रति,
मा.प्र. कुलगुरु,
डॉ.बाबासाहेब आंबेडकर
मराठवाडा विद्यापीठ,
औरंगाबाद.

विषय - सुधारीत अभ्यासक्रम (Rural Health care & Sanitation) - स्वीकारणे बाबत.

महोदय,

उपरोक्त विषयी विनंती करण्यात येते की, आमच्या महाविद्यालयात B.Voc अभ्यासक्रम (Rural Health care & Sanitation) शैक्षणिक वर्ष २०२०-२१ पासून सुरु असून सदरील अभ्यासक्रमास विद्यापीठ अनुदान आयोगाचे मान्यता मिळाली असून सदरील कोर्स शिकविण्यासाठी विद्यापीठाचे संलग्नीकरण मिळालेले आहे. विद्यापीठाच्या वेबसाईटवर सदरील कोर्सचा मान्यता मिळालेला अभ्यासक्रम विद्यापीठाच्या वेबसाईटवर उपलब्ध असून त्यात दिनांक ४ मार्च २०२१ रोजी तदर्थ (अँड व्हॉक) बोर्डचे चेअरमन यांनी त्यात काही सुधारणा सांगितल्या प्रमाणे सुधारित अभ्यासक्रम सादर करत आहोत.

तरी सुधारीत अभ्यासक्रम या पत्रासोबत देण्यात येत आहे तरी तो स्वीकारण्यात यावा.

17-03-2021

17/3/21

Syllabus approved
on the basis of
compliance of points
suggested

Approved Syllabus
with subject to
revision of syllabus
according to guideline &
points suggested

Principal

Mrs. K.S.K.
College, Beed.



नवगण शिक्षण संस्था राजुरी नवगण
सौ.केशरबाई सोनाजीराव क्षीरसागर उर्फ काकू
कला, विज्ञान व वाणिज्य महाविद्यालय, बीड



प्राचार्य
डॉ. सौ. डी. बी. क्षीरसागर



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सचिव
डॉ. भारतभूषण क्षीरसागर

Website-kskcollegebeed.com E-mail-kskbeed123@rediffmail.com Ph.(02442)222641 Fax-02442)230197

जा.क्र.केएसकेसीबी/२०२१-२०२२/

दिनांक ०२/०३/ २०२२

प्रति,
मा.उपकुलसचिव,
शैक्षणिक विभाग
डॉ.बाबासाहेब आंबेडकर
मराठवाडा विद्यापीठ,
औरंगाबाद.



विषय :- रुरल हेल्थ केअर अॅण्ड सॅनिटेशन या बी.व्होक पदवी
अभ्यासक्रमाचा रिवाइज्ड सिलॅबस वेबसाईटवर अपलोड करणे संदर्भात

महोदय,

उपरोक्त विषयी विनंती करण्यात येते की, रुरल हेल्थ केअर अॅण्ड सॅनिटेशन या
बी.व्होक पदवी अभ्यासक्रमाचा रिवाइज्ड सिलॅबस वेबसाईटवर अपलोड चा सिलॅबस
हा नविन नियमाप्रमाणे रिवाइज करण्यात आलेला आहे.

सदरील अभ्यासक्रम विद्यापीठाच्या वेबसाईटवर अपलोड करून सहकार्य करावे.

9C

सौ.का - रिवाइज्ड सिलॅबस कॉपी

Principal

V.S.R.'S. Mrs. K.S. Kshirsagar Ajees
Kaku Arts, Sci. & Comm. College
Beed-431 122

Smt. Hiwanale
for M.A.
[Signature]

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Uniform curriculum Structure of Bachelor of Vacation (B. Voc.)

The course Under Semester –I Conform to National Occupational Standards' of "Rural Health Care and Sanitization" QP .No. NSQF Level 4

FACULTY BACHELOR OF VOCATIONAL (INTERDISCIPLINARY)

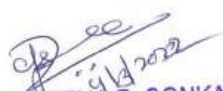
Syllabus of Rural Health Care and Sanitation

Choice Based Credit System (CBCS) effective from -2021-2022.

B. Voc. First Year

Semester-I

Sr. No	Course Code	Name of the Paper	Contact Hours per Week		Evaluation Scheme		Total	Duration of Exam	Credit
			L	P	CIA	SEE			
General Academic Components									
1	VOC101	Functional English	4	0	20	80	100	3 Hrs	4
2	VOC102	Computer Skill	2	0	10	40	50	3 Hrs	2
3	VOC103	Generic Skill –I (Health & Sanitary Practices)	4	0	20	80	100	3 Hrs	4
4	VOC104	Skill Specific Organization Practices (Human Rights)	2	0	10	40	50	3 Hrs	2
Skill Development Components									
5	VOC111	Course-I Fundamental of Human Body	4	0	20	80	100	3 Hrs	4
6	VOC 112	Course-II Introduction to Mental Health	4	0	20	80	100	3 Hrs	4
7	VOC113	Course-III Fundamental of Nursing	4	0	20	80	100	3 Hrs	4
8	VOC121	Lab Course-I Course on Study of Human Body	0	4	25	25	50	3 Hrs	2
9	VOC122	Lab Course-II Course on Introduction to Mental Health	0	4	25	25	50	3 Hrs	2
10	VOC123	Lab Course-III Course on Fundamental of Nursing	0	4	25	25	50	3 Hrs	2
Total			24	12	195	555	750	---	30


Dr. CHETNA P. SONKAMBLE
Dean
INTERDISCIPLINARY STUDIES
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (First Semester)
Generic Skill –I (Health & Sanitary Practices)

Paper Code: VOC103

Credit 4

100 MARKS

Objectives:

- 1) Explain different terminologies used in sanitation.
- 2) To understand duties and responsibility of community.
- 3) To study of present scenario of India in health care system.
- 4) To study different healthcare practices and its importance.
- 5) Improve the health and quality of life.

Learning outcomes:

- 1) Knows the importance of hygiene and sanitation.
- 2) Knows the properties of healthy and fit life.
- 3) Understand importance of personal hygiene.
- 4) Provides and maintain personal and community hygiene.
- 5) Identify the factors regarding the sanitary health and personal and community hygiene.

Unit 1. Introduction to healthcare and hospitals

15 hr

- a. Healthcare delivery system in India at primary, secondary and tertiary care
- b. Community participation in healthcare delivery system
- c. Issues in Health Care Delivery System in India
- d. Health scenario of India- past, present and future e. Basic medical terminology

Unit 2. Sanitary Health

15 hr

Introduction to the Sanitary Health Inspector program

- a. Duties and responsibilities of a Sanitary Inspector
- b. Importance of Sanitation, Health & Hygiene.
- c. Sanitary scope in Municipal Corporation, trade fairs, public health sanitation, water bodies, slums, vulnerable pockets, restaurants, hotels etc.
- d. Do's and Don'ts e. Requirements to become a Certified Sanitary Health Inspector

Unit 3. Anthropometric measurements

15 hr

Anthropometric measurements and its importance a. Points for consideration before measuring weight, height and other parameters i. Check the equipment before taking it to the patient 1. process of checking each equipment 2. reporting error to the concerned official ii. Process of taking permission from the patient iii. Recording measurements iv. Any other measure – dos and don'ts b. Weight i. Process of measuring weight ii. Importance of weight measurement - weight for age and weight for height iii. Do's and don'ts while measuring weight c. Length (for under 2 years of age) d. Height – steps for measuring height using- height measuring scale and inch tape

e. Circumference measurements – i. process of measuring circumference – arm and waist ii. Do's and don'ts while measuring circumference f. Format for reporting the measurements

Unit 4. Basics of emergency care

15 hr

Basics of emergency care and life support skills a. Vital signs b. Basic emergency care – first aid and triage c. Identifying signs and taking measures for i. Choking and Heimlich Maneuver ii. Bleeding including nosebleeds iii. Minor burns iv. Hypothermia v. Asthma attack vi. Bites and stings vii. Fainting viii. Sprain d. Ventilations including use of bag-valve-masks (BVMs) e. One- and Two-rescuer CPR f. Using an AED (Automated external defibrillator). g. Managing an emergency including moving a patient – log transfer

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (First Semester)
Course-I Fundamental of Human Body

Paper Code: VOC111

Credit 4

100 MARKS

Objectives:

- 1) To study the anatomy and morphology of human body.
- 2) To study the visceral organs morphologically.
- 3) To study the muscular organization and functions.
- 4) To study the nerves coordination.
- 5) To study the functions and working of human systems.

Learning outcomes:

- 1) To find the anatomical functions of human body.
- 2) To find functioning of human body system.
- 3) To find the coordination among the nervous system.
- 4) To find Functioning of endocrine systems.
- 5) To find the metabolism of human systems.

Unit- I - Organization of the Body

15 hr

1. Introduction to the Human Body
2. Chemistry, Matter, and Life
3. Cell Structure and Their Functions
4. Tissues (Histology)

Unit- II - The Human Body Systems

15 hr

1. The Integumentary System
2. The Skeletal System - Bones and Joints
3. The Muscular System

Unit- III - Systems that Control & Communicate

15 hr

1. The Nervous System
2. The General and Special Senses
3. The Endocrine System

Unit- IV - Systems Responsible for Metabolism

15 hr

1. Respiratory System
2. The Digestive System
3. Urogenital System

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (First Semester)
Course-II Introduction to Mental Health

Paper Code: VOC112

Credit 4

100 MARKS

Objectives:

- 1) To study mental health, mental wellness, concept of personality development.
- 2) To study of psychiatric mental health nursing.
- 3) To study of relationship development and therapeutic communication.
- 4) To study of ethical, cultural and spiritual concepts relevant to mental health.
- 5) To study of different mental disorders and its care through mental health nursing.
- 6) To study of role of mental hygiene in the world.

Learning outcomes:

- 1) To distinguish between mental health and mental wellness.
- 2) Identifying factors that influence the development of mental health.
- 3) Evaluate the level of communication that effective to personal and community relationship.
- 4) To summaries the current status of mental health.
- 5) To evaluate mental hygiene in the world.

Unit- I Introduction to Psychiatric/Mental Health Concepts

15 hr

Mental Health and Mental Illness, Concepts of Personality Development, Biological Implications, Ethical and Legal Issues, Cultural and Spiritual Concepts Relevant to Psychiatric/Mental Health Nursing

Unit- II Psychiatric/Mental Health Nursing Interventions

15 hr

Relationship Development and Therapeutic Communication, The Nursing Process in Psychiatric/Mental Health Nursing

Unit- III Care of Clients with Psychiatric Disorders

15 hr

Delirium, Dementia, and Amnesic Disorders, Substance-Related Disorders, Schizophrenia and Other Psychotic Disorders, Mood Disorders, Eating Disorders, Personality Disorders

Unit- IV Mental Hygiene

15hr

Mental hygiene in the world, The Polish school of mental hygiene, Role of mental hygiene, Positive disintegration, Mental growth through positive disintegration.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (First Semester)
Course-III Fundamental of Nursing

Paper Code: VOC113

Credit 4

100 MARKS

Objectives:

- 1) To study of nursing definition, scope and history,
- 2) To study of ethics in nursing, role and responsibilities of nurses.
- 3) To study of comprehensive nursing care, types of hospitals and their function in nursing care.
- 4) To study of admission process, care of patients, maintenance of therapeutic environments in hospitals.
- 5) To study of consideration, selection, making and different types of beds and its uses.

Learning outcomes:

- 1) Engage in ethical reasoning and action to promote advocacy, collaborations, social justice and leadership as health care professionals.
- 2) Evidence based practices in nursing.
- 3) To understand the complexity and importance of nursing.
- 4) To establish recognized as a center of excellence as a nursing education.
- 5) To provide the innovative and nursing facilities.

Unit 1: Introduction to Nursing

15hr

Introduction to Nursing: Nursing: Definition and Meaning, Nature, Scope, Principle and History of Nursing Nurse: Definition and Meaning, Preparation of a nurse qualities-personal and professional.

Unit 2: Ethics in Nursing

15hr

Ethics in Nursing, Role and responsibilities of a Nurse Holistic approach of nursing.

Unit 3: Nursing in Hospitals

15hr

Comprehensive nursing care Health Care agencies: Hospital and community, Type of Hospitals and their functions Nursing care of the patient Introduction to the sick and well Determinants of health status.

Unit 4: Patients Primary Care

15hr

Admission procedure, reception of patient, care of patient's belongings Maintenance of therapeutic environment- Temperature, light, noise and humidity Bed and Bed-Making- Principle of bed-making, factor to be consider in selecting and making bed, different types of bed and their uses.

Vital Signs- Assessing Temperature, weight and measures, assessing pulse, assessing respiration, assessing blood pressure, care of patient with breathing difficulty

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (First Semester)
Lab Course-II Course on Introduction to Mental Health

Paper Code: VOC122

Credit 2

50 MARKS

Students are expected to undertake three practicum tasks which maybe as follows:

-Collect and analyse five newspaper reports or articles from magazines or research papers from journals each, on at least three different themes, such as: Violence and 2 aggression in schools; insensitive teacher attitudes; parental pressures and intergenerational conflicts; academic stress and competitiveness; substance abuse in school going children; peer sub cultures.

-Identify a Feature Film or Documentary film depicting one or more mental health issues and concerns. Draft an in-depth review based on your understanding of the issues in Mental Health as well as Educational Psychology.

-Choose a mental health issue and identify at least three resources that can be used to develop a deeper understanding on the concern. Present your understanding through annotations of the resources and share them in the mental health group.

-Identify mental health concerns of school going children across the different life stages. Develop a detailed report on the same based on your observations in schools.

-Identify stereotypes presented, propagated, or challenged, in popular media such as magazines, films, television, radio, etc. and analyse the same.

-Conduct a field based project on teachers' mental health concerns through observations and interviews. Develop a report of the same and give suggestions for promotion of mental health of school teachers.

-Identify the various community based mental health services offered in your residential area. Visit any one NGO/ clinic/ hospital providing mental health services and document the experiences of practitioners in the setting, particularly those that relate to school going children.

-Develop a questionnaire and conduct a brief survey to identify and analyse social perceptions towards mental health and illness.

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Uniform curriculum Structure of Bachelor of Vocational (B.Voc)

The course Under Semester –I Conform to National Occupational Standards' of "Rural Health Care and Sanitization" QP .No. NSQF Level 5

FACULTY BACHELOR OF VOCATIONAL (INTERDISCIPLINARY)

Syllabus of Rural Health Care and Sanitation

Choice Based Credit System (CBCS) effective from -2021-2022.

B. Voc. First Year

Semester-II

Sr. No	Course Code	Name of the Paper	Contact Hours per Week		Evaluation Scheme		Total	Duration of Exam	Credit
			L	P	CIA	SEE			
General Academic Components									
1	VOC201	Linguistic Proficiency English	4	0	20	80	100	3 Hrs	4
2	VOC202	Generic Skill-II (Biochemistry -I)	2	0	10	40	50	3 Hrs	2
3	VOC203	Generic Skill-III (Biochemistry-II)	2	0	10	40	50	3 Hrs	2
4	VOC204	Energy and Environment	4	0	20	80	100	3 Hrs	4
Skill Development Components									
5	VOC211	Course-IV Home Nursing	4	0	20	80	100	3 Hrs	4
6	VOC 212	Course-V Maternal Health Care	4	0	20	80	100	3 Hrs	4
7	VOC213	Course-VI Child health Care	4	0	20	80	100	3 Hrs	4
8	VOC 221	Lab Course-IV Course on Home Nursing	0	4	25	25	50	3 Hrs	2
9	VOC222	Lab Course-V Course on Maternal Health Care	0	4	25	25	50	3 Hrs	2
10	VOC223	Lab Course-VI Course on Child health Care	0	4	25	25	50	3 Hrs	2
Total			24	12	195	555	555	---	30

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (Second Semester)
Generic Skill-II (Biochemistry -I)

Paper Code: VOC202 **Credit 2** **50 MARKS**

Objectives:

- 1) To study the carbohydrate levels.
- 2) To study different types of carbohydrates and its significance.
- 3) To study lipids and its significance.
- 4) To study the functions of lipids.
- 5) To provide the necessity of lipids.

Learning outcomes:

- 1) To provide the knowledge and fundamentals of biochemistry.
- 2) To provide the biochemical significance.
- 3) To provide the social impact of biochemistry.
- 4) To provide laboratory analysis reports.
- 5) Communicate and counseling of biochemistry.

Unit 1: Basics of Carbohydrates

15hr

- i) Definition and classification.
- ii) Properties –optical and chemical.

Unit 2: Structure of carbohydrate

15hr

- i) Structure of glucose: ring structure, Haworth & fisher's projection, pyranoses, furanoses, isomers, mutarotation.
- ii) Triose, pentose, hexose, heptoses - examples & structures.
- iii) Derived monosaccharides: glycosides, furano acids, sugar phosphates, uronic acids, sugar alcohol.

Unit 3: Types of Carbohydrates

15hr

- i) Disaccharides, glycoside linkage, lactose, maltose, sucrose.
- ii) Oligosaccharides – Trisaccharides, structure of raffinose.
- iii) Polysaccharides – Homo and heteropoly saccharides, structures starch, cellulose, mucopolysacchrides.
- iv) Biological significance

Unit 4: Lipids

15hr

- i) Classification simple compounds.
- ii) Chemistry of fatty acids, unsaturated and saturated fatty acids, triglycerides, saponification alkyl ether phospho glycerides, sterols, cholesterol, prostaglandins, glycol lipids.
- iii) Function of lipids.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (Second Semester)
Generic Skill-III (Biochemistry-II)

Paper Code: VOC203

Credit 2

50 MARKS

Objectives:

- 1) To study the protein levels.
- 2) To study different types of amino acids and enzymes and its significance.
- 3) To study sugar level and its significance.
- 4) To study the functions of proteins.
- 5) To provide the necessity of proteins, amino acids and enzymes.

Learning outcomes:

- 1) To provide the knowledge and fundamentals of biochemistry.
- 2) To provide the biochemical significance.
- 3) To provide the molecular and genetically changes.
- 4) To provide laboratory analysis reports.
- 5) Communicate and counseling of biochemistry.

Unit 1: Classification of Proteins

15hr

- i) Classification based on properties of solubility & heat. coagulability. Fibrous, globular proteins and functions.
- ii) Protein structures ; conformation & configuration ,primary structure determination, secondary structure α - helix & β - pleated sheet, tertiary & quaternary structure.

Unit 2: Amino acids and enzymes

15hr

- iii) Classification of amino acids : based on acid – base properties.
- iv) Properties of amino acids – solubility, ampholyte, Zwitterions isoelectric pH .
- v) Peptide bonds – Concepts of biological peptide bond formation, types.
- vi) Enzymes – Concepts, definition, nature , active site, properties, physico-chemical factors contributing to catalytic efficiency of enzymes

Unit 3:Nucleic acids

15hr

- i) Structure of nitrogen bases & base pairing.
- ii) Structure of nucleosides & nucleotides, ribose, deoxyribose sugars.

Unit 4:DNA and RNA

15hr

- i) DNA : properties, forms , structure, function as genetic material. Types of DNA
- ii) RNA : Structure, function, types (r-RNA, m-RNA, t-RNA)
- iii) Comparative account of DNA & RNA.
 PH & buffers. pH titration curve, PK value.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (Second Semester)
Course-IV Home Nursing

Paper Code: VOC211

Credit 4

100 MARKS

Objectives:

- 1) To study of home nursing, and services.
- 2) To provide the knowledge of personal hygiene.
- 3) To provide the personal hygiene, environmental hygiene and awareness.
- 4) To provide the knowledge of cleanliness.
- 5) To provide the knowledge of hygiene and its importance.

Learning outcomes:

- 1) To find the proper hygiene and their outcomes.
- 2) To maintaining personal hygiene and community hygiene.
- 3) To studies about effectiveness of home healthcare, improving of patients through the home nursing.
- 4) To understand nutrition's, diets and different types of feedings.
- 5) Uses of different aids for sleeping and appliances.

Unit 1. Introduction

15 hr

(a) Introduction to disability : Disease, impairment, Disability, handicap and changing concepts
(b) Types of Disability under National Trust Act (1999) and PwD Act(1995), and their characteristics: - Mental Retardation - Autism - Cerebral palsy - Multiple Disabilities - Visual Impairment (Blindness & Low Vision) - Hearing Impairment - Locomotor Disability - Leprosy Cured - Mental Illness

Unit 2. Health and Personal Hygiene

15 hr

Fundamentals of Health: • Definition of Health (Physical & Mental) and Illness • Personal hygiene. • Oral diseases & Dental hygiene • Differences between infectious and non-infectious diseases

Unit 3. Promotion of Independence skills

15 hr

Care Giving & promotion of Independence skills: • Provision of good home care • Universal precautions • Maintaining personal hygiene • Environmental hygiene • Bed making • Prevention of bed sores • Bed bath(sponge bath), mouth care • Taking & Recording of temperature, pulse, respiration, blood pressure, intake - output record etc.

Unit 4. Sterilization methods

15 hr

• Simple sterilization methods and prevention of cross infection • Positioning & transferring skills • Nutrition and feeding including preparation of simple therapeutic diet • Nasal feeding skills • Cleanliness • Regular bowel movement and urination • Assisting in exercise, rest and sleep Use of Aids & appliances

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (Second Semester)
Course-V Maternal Health Care

Paper Code: VOC212

Credit 4

100 MARKS

Objectives:

- 1) Study of foundation of maternal health nursing.
- 2) To study of philosophy, goals, concepts and principles of standards of health care.
- 3) To study of theories and principles of growth and developments.
- 4) To study of signs and symptoms of maternal health nursing.
- 5) To study of physiological and psychological changes during the complications.

Learning outcomes:

- 1) To find out the proper health care during pregnancy.
- 2) Maintaining of home and hospital environment.
- 3) To study and find the effectiveness of the breastfeeding and rooming feed.
- 4) To find the nutritional food feeding.
- 5) To find the postpartum complications.

Unit 1. Foundation of Maternal Health

15 hr

Foundation of Maternal Health Nursing Practice/Biophysical Aspects of Human Reproduction

- A. Philosophy, goals
- B. Concepts, theories, principles and standards of care
- C. Anatomy and physiology
- D. Sexuality
- E. Menstrual cycle
- F. Responsible parenthood
- G. Theories and principles of growth and development

Unit 2. Pregnancy-Antepartum

15 hr

- A. Stages of fetal development
- B. Signs and symptoms of pregnancy
- C. Nursing care
- D. Birth setting and alternative methods of delivery
- E. Physiological and psychological changes of pregnancy
- F. Needs of pregnant women
- G. Danger signs and symptoms
- H. Complications of pregnancy

Unit 3. Pregnancy-Intrapartum

15 hr

- A. Theories of labor
- B. Components of labor: P-s
- C. Nursing care during labor
- D. Analgesia and anesthesia of labor and delivery
- E. Complications of labor and delivery

Unit 4. Postpartum and Newborn

15 hr

- A. Placental stage
- B. Nursing care of the mother
- C. Nursing care of the newborn
- D. Breast feeding/rooming-in
- E. Complications of postpartum

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (Second Semester)
Course-VI Child health Care

Paper Code: VOC213 **Credit 4** **100 MARKS**

Objectives:

- 1) To study the physical, social and moral development of child.
- 2) To provide play activities at child level.
- 3) To study the common disorders and problems.
- 4) Promote education on child health issues.
- 5) To provide advocate universal rights of children.

Learning outcomes:

- 1) Empathy with sick childrens and their families.
- 2) Respect for the childrens and family as a active collaborators.
- 3) Ability to collaborate with other profession involved in social and health care of children.
- 4) To provide knowledge of common problems and disorders in childrens.

Unit 1: Toddler

15 hr

- A. Physical, motor, cognitive, psycho-social, language and moral development
- B. Toilet training
- C. Well-baby care
- D. Nutrition, immunization, play activities
- E. Common problems/disorders of toddlers

Unit 2: Pre-Schooler/Schooler

15 hr

- A. Physical, cognitive, psycho-social and moral development
- B. Sibling rivalry
- C. Play activities
- D. Sex education
- E. Common problems/disorders of pre-schooler/schooler

Unit 3: Pre-adolescent/Adolescent

15 hr

- A. Physical, psycho-social and moral development
- B. Sex characteristics
- C. Needs and tasks
- D. Common problems/disorders of pre-adolescent/adolescent

Unit 4: Problems/Disorders in Children

15 hr

- A. Prematurity
- B. Congenital malformations
- C. Nephrotic Syndrome
- D. Metabolic disturbances
- F. Infectious diseases

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) F.Y. (Second Semester)
Lab Course-IV Course on Home Nursing

Paper Code: VOC221

Credit 2

50 MARKS

-
- History taking, Nursing diagnoses, Problem list, Prioritization, Goals and Expected outcomes, Selection of interventions *Write Nursing Care Plan
 - Give care as per the plan - Assist patient in moving, lifting, transferring
 - Write nursing process records of patient
 - Assessment of Nursing Process records with checklist
 - Assessment of actual care 38 walking - Restraints Oxygen administration Suctioning: Oro pharyngeal, Naso pharyngeal Chest physiotherapy and postural drainage
 - Care of chest drainage CPR: Basic life support Intra venous therapy Blood and blood component therapy
 - Collect / assist for collection of specimens, for investigations Urine, sputum, feces, vomitus, blood and other body fluids
 - Perform lab tests: Urine: Sugar, Albumin, Acetone Blood: Sugar (with strip / Gluco-meter) Hot and Cold applications: Local and general Sitz bath Communicating and assisting with self – care of visually and hearing impaired patients Communicating and assisting with self care of mentally challenged / disturbed patients
 - Perform following procedures: - Hand washing techniques - (Simple, hand antisepsis and surgical antisepsis (scrub) - Prepare isolation unit in lab / ward - Practice technique of wearing and removing Personal protective equipment (PPE)
 - Decontamination of equipment and unit: *Surgical asepsis: - Sterilization - Handling sterilized equipment
 - Care of the wound: -Dressings , Suture care, Care of drainage, Application of Bandages, Binders, Splints and Slings - Bandaging of various body parts

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Uniform curriculum Structure of Bachelor of Vocational (B.Voc)

The course Under Semester –I Conform to National Occupational Standards' of "Rural Health Care and Sanitization" QP .No. NSQF Level 6

FACULTY BACHELOR OF VOCATIONAL (INTERDISCIPLINARY)

Syllabus of Rural Health Care and Sanitation

Choice Based Credit System (CBCS) effective from -2021-2022.

B. Voc. Second Year

Semester-III

Sr. No	Course Code	Name of the Paper	Contact Hours per Week		Evaluation Scheme		Total	Duration of Exam	Credit	
			L	P	CIA	SEE				
General Academic Components										
1	VOC301	Second Language /Foreign Language	4	0	20	80	100	3 Hrs	4	
2	VOC302	Professional Ethics	4	0	20	80	100	3 Hrs	4	
3	VOC303	Generic Skill-IV (Public Health Acts & Administration)	4	0	20	80	100	3 Hrs	4	
Skill Development Components										
4	VOC311	Course- VII Nutrition and Diet Therapy	4	0	20	80	100	3 Hrs	4	
5	VOC 312	Course-VIII Water sanitation and Hygiene	4	0	20	80	100	3 Hrs	4	
6	VOC313	Course-IX General Microbiology	4	0	20	80	100	3 Hrs	4	
7	VOC 321	Lab Course-VII Course on Nutrition and Diet Therapy	0	4	25	25	50	3 Hrs	2	
8	VOC322	Lab Course-VIII Course on Water sanitation and Hygiene	0	4	25	25	50	3 Hrs	2	
9	VOC323	Lab Course-IX Course on General Microbiology	0	4	25	25	50	3 Hrs	2	
Total			24	12	195	555	750	---	30	

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) S.Y. (Third Semester)
Generic Skill-IV (Public Health Acts & Administration)

Paper Code: VOC303

Credit 4

100 MARKS

Objectives:

- 1) To study different types of health acts.
- 2) To study different types of environmental acts.
- 3) To study system of national health care services.
- 4) To study operation aspect of national health care program.

Learning outcomes:

- 1) To find the various health acts and its implementation.
- 2) To find the various environmental acts and its implementation.
- 3) Understand cultural difference among population and interact sensitivity, effectivity, from diverse background.
- 4) To apply and to find the principles to current health issues.

Chapter-1: Health Acts

15 hr

Birth and Death Registration Act. N.T.P ACT

Indian Epidemic Diseases Act.

Prevention of Food adulteration Act.

Acts related to housing, sanitation etc.

Chapter-2: Environmental Act

15 hr

Purification of Air And Water Pollution Acts

Factory Act and Employer's State Insurance Act.

Suppression of immoral Traffic Act (SITA).

Municipal and local body

Chapter-3: National Health Care Services

15 hr

System of National Health Care Services

- a) Primary Health Care b) Community Health Care c) Specialization Health Intuitions.
d) Health services in India before independence e) Health services in India after independence
Current status of India. Central, State and Local organizations in India.

Chapter-4: Voluntary Agencies in Health Programmes

15 hr

Operation Aspects of National Health Programs

- a) Family Welfare Program b) Maternity c) child Health Service d) National Malaria Eradication program. j) National Filarial Control program k) National Leprosy program l) Diarrheas Disease Control program m) STD Control program n) Goiter Control program o) Blindness Control program p) Universal Immunization program

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) S.Y. (Third Semester)
Course- VII Nutrition and Diet Therapy

Paper Code: VOC311

Credit 4

100 MARKS

Objectives:

- 1) To study the introduction to Nutrition, Health & Disease
- 2) To study different types of macro and micro nutrients.
- 3) To study clinical examination and family assessment.
- 4) To study healthy and balanced diet.
- 5) To study nutritional education.

Learning outcomes:

- 1) To find the nutritional awareness.
- 2) To find clinical awareness.
- 3) To find healthy and balanced diet.
- 4) To apply and to find the principles to current health issues.

Chapter-1. Science of food

10 hr

Introduction to Nutrition, Health & Disease. Classification and of food-stuff Nutrient and their sources (food example)

Chapter-2. Nutrient

10 hr

Carbohydrates, Proteins, Vitamins, & Minerals, function, Source and diet requirement of each. Calories:- Supply of calories by proximate principles. Requirement of proximate principle Requirement of vitamins and Minerals. Calorie and protein requirement of infant, weaning, pregnancy, lactation, preschool child, school going child.

Chapter-3. Family Assessment

10 hr

Clinical examination of all members, height and weight for all, head circumference and skin fold for children, blood test for Hb% for all, diet survey, weighing raw food, weighing cooked food.

Chapter-4. Balanced Diet

15 hr

Definition, factors to be considered co planning ---- Nutritional requirements of special Groups. Prescription of diet Menu for Hypertensive persons, Nephritis Patients, Diabetic patients, Heart patients

Chapter-5. Nutrition Education

15 hr

Malnutrition Low birth Weight (LBW) Causes of LBW Prevention of LBW Protein energy Prevention of malnutrition Special care to be given to malnutrition Children. Therapeutic Diet- Instruction for balanced dietweight reduced diet- low fat diet- bland dietcirrhosis of liver- renal stone. Home management of Malnutrition.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) S.Y. (Third Semester)
Course-VIII Water sanitation and Hygiene

Paper Code: VOC312

Credit 4

100 MARKS

Objectives:

- 1) To study water sources and sanitation.
- 2) To study different types of water born diseases.
- 3) Water purification and treatment for human health care.
- 4) To study storage and conservation methods.

Learning outcomes:

- 1) To find water sources and sanitation.
- 2) To find and analyze water born diseases.
- 3) To find and provide essential hygiene practices.
- 4) To provide the water harvesting and drainage and their implementation.

Chapter-1. Water Source and Sanitation

15 hr

Rural water sources, Various uses of water and its need, WHO's definition of environmental Sanitation Types of sanitation facilities Construction of sanitation facilities
Use of sanitation facilities

Chapter-2. Water Borne Diseases

15 hr

Water borne diseases, conservation source of water, quality of water, public health aspect of very hard water, Historic importance of WASH in improving health; Current relationship between WASH and health; Infectious and noninfectious agents of disease.

Chapter-3. Treatment for Water

15 hr

Steps of disinfection of well. Physical, chemical and biological standard for portable water sources and nature of pollution of water in large scale and small scale. . Process of disinfections of water in large and small scale provisions for sanitary wells and tube wells, plumbing system and its maintenance

Chapter-4. Water for Domestic

15 hr

Water supply and storage system at the community and domestic level. Composting and agricultural use of human waste, Essential hygiene practices; Behavior change and sustainable solutions to WASH challenges, Assessing hygiene practices in the field

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) S.Y. (Third Semester)
Course-IX General Microbiology

Paper Code: VOC313

Credit 4

100 MARKS

Objectives:

- 1) Introduction of laboratory techniques.
- 2) To study the disinfection and disinfectant.
- 3) To study fermented products.
- 4) To study beverages.

Learning outcomes:

- 1) To provide knowledge of laboratory equipments.
- 2) To provide knowledge of pasteurization and sterilization.
- 3) To provide knowledge of dairy products.
- 4) To provide the knowledge of preservation of foods and vegetables.

Chapter-1. Introduction

15 Hr

definition, historical development and significance of food microbiology; Microscope; Classification & morphology of microbes; Techniques of pure culture; Bacteriology of air & water; Antimicrobial agents – physical & chemical – mechanism & action.

Chapter-2. Disinfection & disinfectants

15 Hr

Disinfection & disinfectants, Energy metabolism of aerobic & anaerobic microbes; Thermal inactivation of microbes; Concept, determination & importance of TDT, F, Z & D values; Factors affecting heat resistance; Pasteurization and sterilization.

Chapter-3. Microbiology of Food

15 Hr

Microbiology of milk & milk products like cheese, butter, ice-cream, milk powder; Microbiology of meat, fish, poultry & egg and their products.

Chapter-4. Microbiology of Fruits & vegetable and some product

15 Hr

Microbiology of fruits & vegetable and products like jam, jelly, sauce, juice; Microbiology of cereal and cereal products like bread, biscuits, confectionary

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Uniform curriculum Structure of Bachelor of Vocational (B.Voc)

The course Under Semester –I Conform to National Occupational Standards' of "Rural Health Care and Sanitization" QP .No. NSQF Level 6

FACULTY BACHELOR OF VOCATIONAL (INTERDISCIPLINARY)

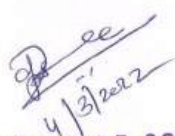
Syllabus of Rural Health Care and Sanitation

Choice Based Credit System (CBCS) effective from -2021-2022.

B. Voc. Second Year

Semester-IV

Sr. No	Course Code	Name of the Paper	Contact Hours per Week		Evaluation Scheme		Total	Duration of Exam	Credit
			L	P	CIA	SEE			
General Academic Components									
1	VOC401	Business Communication	4	0	20	80	100	3 Hrs	4
2	VOC402	Financial management & Accounts	4	0	20	80	100	3 Hrs	4
3	VOC403	Hospital Management	4	0	20	80	100	3 Hrs	4
Skill Development Components									
4	VOC411	Course- X Communicable diseases	4	0	20	80	100	3 Hrs	4
5	VOC 412	Course-XI Non- Communicable diseases	4	0	20	80	100	3 Hrs	4
6	VOC413	Course- XII Environmental Health and Sustainable Development	4	0	20	80	100	3 Hrs	4
7	VOC 421	Lab Course-X Communicable diseases	0	4	25	25	50	3 Hrs	2
8	VOC422	Lab Course-XI on Non- Communicable diseases	0	4	25	25	50	3 Hrs	2
9	VOC423	Lab Course-XII Course on Environmental Health and Sustainable Development	0	4	25	25	50	3 Hrs	2
Total			24	12	195	555	750	---	30


4/3/2022
Dr. CHETNA P. SONKAMBLE
Dean
INTERDISCIPLINARY STUDIES
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) S.Y. (Fourth Semester)
Hospital Management

Paper Code: VOC403

Credit 4

100 MARKS

Objectives:

- 1) To study hospital management.
- 2) To study administration of managing front office.
- 3) To study significance of records keeping.
- 4) To study laboratory services and house keeping.

Learning outcomes:

- 1) To find and provide principles of hospital management.
- 2) To find and provide significance of record keeping.
- 3) To understand and demonstrate different types of health care policies.
- 4) To analyze the origin, uses and maintenance of hospital.
- 5) Strategies regarding planning and decision for emergency patients.

Chapter-1. Introduction

15 Hr

Functional areas in hospital services management – Difference types of hospital services – Human capital in hospitals- Specific characteristics of hospital services- Principles of hospital planning and execution-Government – Private – Corporate and public hospital systems in India.

Chapter-2. Managing Front Office

15 Hr

Front office –Administration of outpatient and inpatient –Emergency services in hospital- Communication system – Admission and discharge procedures.

Chapter-3. Records Management

15 Hr

Significance of record keeping- Types of medical records – Management – Medical statistics – Materials records –Creation and management of patient records and personnel records – Discharge records – Legal and other operational records- Automated hospital services management solution.

Chapter-4. Laboratory Services and House Keeping

15 Hr

Need for managing laboratories- Classification, functions and management of laboratories – Accreditation of laboratory procedure and process – Case studies. Sanitation of hospital environment-Basic and special cleaning –Odor control Waste disposal –Safety – Pest control- Interior decoration – outsourcing hospital housekeeping services.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) S.Y. (Fourth Semester)
Course- X Communicable diseases

Paper Code: VOC411

Credit 4

100 MARKS

Objectives:

- 1) To study about communicable diseases.
- 2) To study regarding toxins and antimicrobial agents.
- 3) To study anti viral agents.
- 4) To study different types of vector borne diseases.

Learning outcomes:

- 1) To provide knowledge of communicable diseases.
- 2) To find and provide knowledge prevention and control of diseases.
- 3) To identify and describe the variants.
- 4) To find the anti viral drugs.

Chapter-1. Communicable diseases

15 hr

General overview of communicable diseases, impact of communicable diseases on developing countries. Characteristics of prokaryotes and eukaryotes, Structure and function of typical bacterial cell.

Chapter-2. Toxins and Antimicrobial Agents

15 hr

Virulence factors, mode of action of toxins, cellular basis of disease, Microbial subversion of host defense mechanisms, Anti-microbial agents, mode of action, genetic basis of drug resistance, multi-drug resistance, Biology of viruses, classification, and mechanism of pathogenesis

Chapter-3. Anti-viral agents

15 hr

Biology, pathogenesis and pathology, clinical presentation, of common infections - Respiratory : Tuberculosis, leprosy, ARI's including pneumonia, measles, mumps , rubella, Intestinal : Diarrhoea, typhoid, polio, hepatitis, worm infestations, Contact : STDs and AIDS

Chapter-4. Vector borne disease

15 hr

Vector borne : Plague, rabies, malaria and filaria, JE, dengue, Disease prevention and control
Malnutrition and infection, Health aspects of Disaster management-Definition, types and management

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) S.Y. (Fourth Semester)
Course-XI Non- Communicable diseases

Paper Code: VOC412

Credit 4

100 MARKS

Objectives:

- 1) To study about Non communicable diseases.
- 2) To study regarding programs of NCD of WHO and Govt. of India.
- 3) To study clinical diagnosis and treatment of mental health.
- 4) To study burden of mental diseases.

Learning outcomes:

- 1) To find provide knowledge of non communicable diseases.
- 2) To find and implementation of Government program schedule
- 3) To identify and describe the variants.
- 4) To provide the knowledge of prevention and control, measures of non communicable diseases.
- 5) Encourage to more participation in voluntary organization and self help groups.

Chapter-1. Introduction of NCD

15 hr

Overview and introduction to NCDs, Epidemiology of NCDs, risk factors, prevention and management: general strategies, New approaches and policies of NCDs.

Chapter-2. Programmes of NCD

15 hr

NCDs programs of WHO, PAHO, and Government of India.

Some important NCDs: Following diseases will be covered for Etiology, Pathophysiology, Epidemiology, Prevention and Control. -Asthma , Cancer , Cardiovascular diseases , Chronic , rheumatic diseases , Diabetes , Tobacco use

Chapter-3. Mental Health

15 hr

Classification, biochemistry, clinical manifestations, diagnosis and treatment and intervention and support services, Concept of Mental Health

Chapter-4. Burden of Mental diseases

15 hr

Depression, Schizophrenia, Alzheimer's, Parkinson's, Senile dementia ,Suicides Substance Abuse National Mental Health Programme, Emerging & re-emerging diseases Role of Voluntary organizations, self-help groups

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) S.Y. (Fourth Semester)
Course- XII Environmental Health and Sustainable Development

Paper Code: VOC413

Credit 4

100 MARKS

Objectives:

- 1) To study about environmental health.
- 2) To study environmental issues globally and locally.
- 3) To study the concepts, theories, approaches for sustainable development and health.
- 4) To study micro and macro level planning for environmental health.

Learning outcomes:

- 1) To find Governance against environmental awareness.
- 2) To provide the environmental ethics.
- 3) Programs against sustainable developments.
- 4) To plan providence of poverty knowledge at school and college level.

Chapter-1. Environmental Health

15 Hr

Environment-Definition, Concept, Components. Environmental Pollution- Sources, Impacts and treatments of Air (Indoor/Outdoor), Water, Soil, Nuclear, Solid waste, Biomedical waste, e-waste etc.

Chapter-2. Environmental Issues and Ethics

15 Hr

Development & Environmental issues -Environmental Ethics, Global Warming, Climate Change, Ozone Depletion, Acid Rain etc. Eco-friendly environmental practices-Waste management, Energy practices, Agriculture Practices. Environmental Disaster- Definition, types and management. Environment & Health Impact Assessment-Concept, Steps and application

Chapter-3. Sustainable Development

15 Hr

Development- Definitions & Concept, Development theories- Modernization, structuralism, dependency, basic needs, neoclassical, sustainable, human development. Sustainable Development -Introduction, principles, models Rights Based Approach for development and health

Chapter-4. Developmental Planning

15 Hr

Developmental Planning-Macro & Micro level, Healthy Settings-Cities, Villages, Schools. Poverty & Its Measurements, Wellbeing and its measurements, Human Development and Its measurements. Societal Health & Development. Community Organization and participation

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Uniform curriculum Structure of Bachelor of Vocational (B.Voc)

The course Under Semester –I Conform to National Occupational Standards' of "Rural Health Care and Sanitization" QP .No. NSQF Level 7

FACULTY BACHELOR OF VOCATIONAL (INTERDISCIPLINARY)

Syllabus of Rural Health Care and Sanitation

Choice Based Credit System (CBCS) effective from -2021-2022.

B. Voc. Third Year

Semester-V

Sr. No	Course Code	Name of the Paper	Contact Hours per Week		Evaluation Scheme		Total	Duration of Exam	Credit
			L	P	CIA	SEE			
General Academic Components									
1	VOC501	Personality Development and Stress management	4	0	20	80	100	3 Hrs	4
2	VOC502	Generic Skill-V (Public Health)	4	0	20	80	100	3 Hrs	4
3	VOC503	Generic Skill-VI (Social psychology)	4	0	20	80	100	3 Hrs	4
Skill Development Components									
4	VOC511	Course- XIII Food safety and quality	4	0	20	80	100	3 Hrs	4
5	VOC 512	Course-XIV (Elective I, II & III) Management of E-Waste and Biomedical Hazards	4	0	20	80	100	3 Hrs	4
6	VOC521	Lab Course –XIII Food safety and quality	0	4	25	25	50	3 Hrs	2
7	VOC 522	Lab Course-XIV Management of E-Waste and Biomedical Hazards	0	4	25	25	50	3 Hrs	2
8	VOC541	Major Project –I (Internship)	0	12	75	75	150	3 Hrs	6
Total			20	20	225	525	750	---	30

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) T.Y. (Fifth Semester)
Personality Development and Stress management

Paper Code: VOC501

Credit 4

100 MARKS

Objectives:

- 5) To study personality development and its significant.
- 6) To study factors responsible for attitude.
- 7) To study term of self esteemed.
- 8) To study different aspects of personality developments.

Learning outcomes:

- 5) To find the success rate of personality development.
- 6) To find the positive attitude of development.
- 7) To find inter personal relationship.
- 8) To find art of employability quotient.

Chapter-1. Introduction to Personality Development

15 Hr

The concept of personality-dimensions of personality-theories of Freud & Erickson-Significance of personality development. The concept of success and failure: What is success? - Hurdles in achieving success – overcoming hurdles – factors responsible for success – what is failure – causes of failure, SWOT analysis.

Chapter-2. Attitude and Motivation

15 Hr

Attitude – concept – significance – factors affecting attitudes – positive attitude – advantages – negative attitude – disadvantages – ways to develop positive attitude – differences between personalities having positive and negative attitude. Concept of motivation – significance – internal and external motives – importance of self motivation – factors leading to de-motivation.

Chapter-3. Self-esteem

10 Hr

Term self-esteem – symptoms – advantages – do's and don'ts to develop positive self esteem – Low self-esteem – symptoms – personality having low self esteem – positive and negative self esteem. Interpersonal relationship – defining the difference between aggressive, submissive and assertive behaviours – lateral thinkings.

Chapter-4. Other Aspects of Personality Development

10 Hr

Body language – problem solving – conflict and stress management – decision making skills – leadership and qualities of a successful leader – character building – team work – time management – work ethics – good manners and etiquette.

Chapter-5. Employability Quotient

10 Hr

Resume building – the art of participating in group discussion – facing the personal (HR and Technical) Interview – Frequently asked questions – psychometric analysis – mock interview sessions.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) T.Y. (Fifth Semester)
Generic Skill-V (Public Health)

Paper Code: VOC502

Credit 4

100 MARKS

Objectives:

- 1) To study significance of community health.
- 2) To study and determination of behavior of health.
- 3) To study epidemiological transition.
- 4) To implement national policies.

Learning outcomes:

- 1) To find the significance and community health approach.
- 2) To find the assessment against the community health.
- 3) To find the epidemiology.
- 4) To find the implementation of national policy.

Chapter-1. Introduction

15 hr

Definition, Significance, Evolution of Public & Community Health
Genesis and Development of the concept, Healthcare versus Medical Care, Approaches to Public Health

Chapter-2. Determinants of Health

15 hr

Determinants of Health – Biological, Behavioral, Socio-economic, Cultural, Environmental, Geographical etc, Concept of Primary Health Care. Community Diagnosis & Needs Assessment
Community perception and priorities on health and disease

Chapter-3. Disease profiles

15 hr

Disease profiles & Epidemiological transition Public Health delivery system in India
Ecology of health Right to health

Chapter-4. National Health Policy

15 hr

Introduction to National Health Policy – 1983 & 2002, National Population Policy – 2005, National Rural Health Mission (NRHM) and National Urban Health Mission (NUHM), National Public Health Programs.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) T.Y. (Fifth Semester)
Generic Skill-VI (Social psychology)

Paper Code: VOC503

Credit 4

100 MARKS

Objectives:

- 1) To study the social psychology.
- 2) To study and understand the community and social psychology.
- 3) To study the social cognition.
- 4) To influence psychology for social awareness.

Learning outcomes:

- 1) To provide social psychology and related terminology.
- 2) To identify and evaluate current social psychology issues.
- 3) To provide counseling regarding social issues.
- 4) To identify the variable that contribute to helping behavior.

Chapter-1. Introduction To Social Psychology

10 Hr

Social Psychology – Origin and development – Social behaviour and social thought – Applications in society and business.

Chapter-2. Perceiving And Understanding Others

10 Hr

Social perception – Nonverbal communication – Attribution – Impression formation and impression management.

Chapter-3. Cognition In The Social World

15 Hr

Social cognition – Schemas – Heuristics – Errors – Attitudes & Behaviour – Persuasion – Cognitive dissonance – Self, Self Esteem & Social Comparison.

Chapter-4. Interpersonal Relations

10 Hr

Social identity – Prejudice – Discrimination – Aggression – Interpersonal attraction.

Chapter-5. Applied Social Psychology

15 Hr

Social Influence – Conformity – Compliance – Social Influence - Prosocial behaviour – Groups – Social issues.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) T.Y. (Fifth Semester)
Course- XIII Food safety and quality

Paper Code: VOC511

Credit 4

100 MARKS

Objectives:

- 1) To study the food hazardous, preservation and conservation of foods.
- 2) To study the common food borne microorganism.
- 3) To study prevention of food adulteration.
- 4) To study principle of food hygiene and sanitation.

Learning outcomes:

- 1) To provide hazardous of food.
- 2) To find the preventive measures against food microbiology.
- 3) Detection of food quality.
- 4) Applications of hygienic and safety rules.

Chapter-1. Food Safety

15 Hr

Introduction - Food Hazards – Risks – Contaminants - Food Hygiene - Food preservation, Physical agents, Chemical agents, Use of low temperature in food preservation, Preservation by drying, Preservation of meat, fish & egg using different methods.

Chapter-2. Food Microbiology

15 Hr

General characteristics of micro-organisms - common food borne microorganisms- Bacteria, Fungi, Viruses, Parasites; - micro-organisms that bring about useful changes in food, fermentation, vinegar, anti-biotic; - Food poisoning - Food infections - Food borne diseases - preventive measures.

Chapter-3. Food Quality

15 Hr

Food standards - need for food laws; - Food adulteration & Additives - Detection of food adulterants, Prevention of food adulteration act standards; - Fruit product order standards - Agmark standards - Indian standards institution - International – Codex Alimentarius, ISO, Regulatory agencies; - HACCP.

Chapter-4. Hygiene And Sanitation

15 Hr

General principles of food hygiene - general hygiene practices for commodities, equipment, work area and personnel; - Hygiene storage – Food spoilage – Food contamination due to pests, cross contamination; - cleaning and disinfection - safety aspects of processing water, waste water & waste disposal.

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) T.Y. (Fifth Semester)
Course-XIV (Elective I, II & III) Management of E-Waste and Biomedical Hazards

Paper Code: VOC512

Credit 4

100 MARKS

Objectives:

- 1) To study the composition and characteristics of hazardous waste.
- 2) To study the management and handling rules.
- 3) To study the treatment methods.
- 4) To study occupational and environmental health.

Learning outcomes:

- 1) Explain the rules and regulation against hazardous waste.
- 2) To provide the knowledge of design and packing of E-waste isolation and disposal.
- 3) To provide the knowledge of recycling of e-waste.
- 4) Provide the techniques biomedical waste management.

Chapter-1. Hazardous Waste

15 Hr

Sources, Composition and characteristic of hazardous waste, Hazardous Waste (Management and Handling) Rules, 1989 and amendments, Federal Hazardous Waste Regulations under RCRA, Superfund, CERCLA and SARA. Toxicology, public health impact, Protocols, issues and challenges in transportation of hazardous waste.

Chapter-2. Biomedical Waste

15 Hr

Characterization of medical waste- Bio-medical wastes (Management and Handling) Rules, 1998, Amendments and guidelines, segregation, packaging, storage, transport of infectious waste. Techniques of Biomedical waste management. Health and safety rules. Protocols, issues and challenges in transportation of Biomedical waste.

Chapter-3. Hazardous Waste Treatment

15 Hr

Treatment method- Autoclave, Hydroclave, Microwave, Chemical Disinfection, Solidification and stabilization, Bioremediation, Thermal Conversion Technologies, accumulation and storage of hazardous waste, land disposal of hazardous waste, other treatment and disposal method. Common Hazardous Waste Treatment facilities (TSDF).

Chapter-4. E-waste Management

15 Hr

E-waste: Introduction, toxicity due to hazardous substances in e-waste and their impacts, domestic e-waste disposal, e-waste management, technologies for recovery of resource from electronic waste, guidelines for environmentally sound management of e-waste, occupational and environmental health perspectives of recycling e-waste in India.

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Uniform curriculum Structure of Bachelor of Vacation (B.Voc)

The course Under Semester –I Conform to National Occupational Standards' of "Rural Health Care and Sanitization" QP .No. NSQF Level 8

FACULTY BACHELOR OF VOCATIONAL (INTERDISCIPLINARY)

Syllabus of Rural Health Care and Sanitation

Choice Based Credit System (CBCS) effective from -2021-2022.

B. Voc. Third Year

Semester-VI

Sr. No	Course Code	Name of the Paper	Contact Hours per Week		Evaluation Scheme		Total	Duration of Exam	Credit
			L	P	CIA	SEE			
General Academic Components									
1	VOC601	Entrepreneurship Development	4	0	20	80	100	3 Hrs	4
2	VOC602	Generic Skill-VII (Hospital Structure & Function)	4	0	20	80	100	3 Hrs	4
3	VOC603	Generic Skill-VIII (Health Care Programmes)	4	0	20	80	100	3 Hrs	4
Skill Development Components									
4	VOC611	Course- XV Clinical Microbiology	4	0	20	80	100	3 Hrs	4
5	VOC 612	Course-XVI (Elective I, II & III) (Sanitation Majors)	4	0	20	80	100	3 Hrs	4
6	VOC621	Lab Course –XV Clinical Microbiology	0	4	25	25	50	3 Hrs	2
7	VOC 622	Lab Course-XVI (Sanitation Majors)	0	4	25	25	50	3 Hrs	2
8	VOC 631	Internship in Hospitals –III (Summer Training)	0	-	-	-	-	-	2
8	VOC641	Major Project –II (Internship)	0	08	75	75	150	3 Hrs	6
Total			20	16	225	525	750	---	32

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) T.Y. (Sixth Semester)
Generic Skill-VII (Hospital Structure & Function)

Paper Code: VOC602

Credit 4

100 MARKS

Objectives:

- 1) To study the functions of hospitals.
- 2) To study the care plan of hospital.
- 3) To study the basic facility and emergency facility.
- 4) To study role and function of PRO of hospital

Learning outcomes:

- 1) To provide the knowledge of hospital structure and function.
- 2) To provide the knowledge of different types of patients care plans.
- 3) To provide the knowledge of basic instrumentation for medical relief.
- 4) To provide the knowledge of public relationship in hospital.

Chapter-1 : Hospital Structure and Functions

15 Hr

- Describe Healthcare Delivery Systems
- Describe the Role of Supporting Departments in a Hospital
- Classify Hospitals
- Describe the Role of and Function of General Duty Assistant / Patient Care Assistant –
- Understanding the Qualities of a General Duty Assistant/Patient Care Assistant

Chapter-2 : Introduction to Care Plan and Care of Patients

15 Hr

- Describe the Role of General Duty Assistant Patient Care Assistant in Care Plan
- Feed a Patient 40 Session 3: Identify Vital Signs and Report
- Identify Vital Signs and Report
- Demonstrate Patient Positioning

Chapter-3 : Basic First Aid and Emergency Medical Relief

15 Hr

- Describe Principles and Rules of First Aid
- Identify Facilities, Equipment and Materials for First Aid
- Performing the Role of First Aider in Fever, Heat Stroke,
- Back Pain, Asthma, and Food Borne Illness Performing the Role of First Aider in Cuts, Bleeding, Burns, Insect Bites and Stings, Dog Bites and Snake Bites

Chapter-4 : Public Relations in Hospital

15 Hr

- Describe the Role and Functions of Medical Receptionist
- Responding to Emergency Calls
- Using Computers in Maintaining Public Relations
- Dealing with Patients Attendant

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) T.Y. (Sixth Semester)
Generic Skill-VIII (Health Care Programmes)

Paper Code: VOC603

Credit 4

100 MARKS

Objectives:

- 1) To study and understanding health care policies.
- 2) To study legal aspects of healthcare.
- 3) To study different health planning and strategies.
- 4) To study health economics.

Learning outcomes:

- 1) To provide the assessment of health policies.
- 2) To provide the knowledge of legal aspects of healthcare.
- 3) To provide the knowledge of Health Planning.
- 4) To provide the knowledge of Health Insurance Scheme.

Chapter-1. Health Care Policy

15 Hr

Health Policy:-Understanding, need and goals for various policies related to public health - Health policy, population policy, nutritional policy-food security, research policy, women policy, child policy etc. Health Policy environment. Methods to assess the needs of for the policy development / assessment process. Frameworks for policy analysis, applying these to the assessment of current policies. Factors influencing the policy: external factors (interest groups as one example), politics, globalization and the like.

Chapter-2. Healthcare Legislation in India:

15 Hr

Legal aspects of healthcare, the Medical, Termination of Pregnancy Act, The maternity benefit act, The immoral traffic, (prevention) act, The transplantation of human organs act, PNDT Act, The registration of birth and Death act, The child labour (prohibition and regulation) act, Biomedical waste Rules, COPRA Act, Indian factories act, ESI act.

Chapter-3. Health Planning

15 Hr

Health Planning –History, Concept, models. Strategic planning, implementation and evaluating Health care manpower planning and development. Health Care Utilization Patterns Management of Primary Health Care Health Sector Reforms Organizational behavior and development Privatization, commercialization & globalization of health care Public- Private partnership Health care quality assurance

Chapter-4. Health Economics, Budgeting and Financing

15 Hr

Health economics. Investment in Health Care & Public health Financing of Health Care – Public, Private & Community/Individual Health Insurance Schemes Development Partners in Public health

CBCS Pattern Syllabus w.e.f. June 2021-2022 Onwards
Faculty of Bachelor of Vocation (Inter Disciplinary).
B.Voc. (Rural Health Care and Sanitation) T.Y. (Sixth Semester)
Course- XV Clinical Microbiology

Paper Code: VOC611

Credit 4

100 MARKS

Objectives:

- 1) To study the human diseases by various pathogens.
- 2) To study the enteric diseases.
- 3) To study the morphology and pathology of viruses.
- 4) To study laboratory diagnosis diseases.

Learning outcomes:

- 1) To provide the epidemic diseases.
- 2) To provide the knowledge of pathogenic and variant of pathogenic diseases.
- 3) To provide the knowledge against prevention and care.
- 4) To provide the knowledge against various schemes for applications.

Chapter-1. Study of Human Diseases Caused by Bacteria

15 Hr

Classification, habitat, morphology, staining reactions, cultural characters, biochemical characters, antigenic structure, pathogenesis, laboratory diagnosis, epidemiology, prophylaxis, chemotherapy w r t

i. Ataphylococcus aureus ii. Pneumococcus (str. Pneumonia) iii. Mycobacterium tuberculosis

Chapter-2. Study of Human Diseases caused by Enteric bacteria and spirochete

15 Hr

Classification, habitat, morphology, staining reactions, cultural characters, biochemical characters, antigenic structure, pathogenesis, laboratory diagnosis, epidemiology, prophylaxis, chemotherapy w r t

i. Salmonella typhi ii. Vibrio Cholera iii. Treponema pallidum.

Chapter-3. Viruses

15 Hr

i. HIV: morphology, types, life cycle, pathogenesis, laboratory diagnosis, epidemiology, prophylaxis, treatment.

ii. Hepatitis virus: morphology, types, life cycle, pathogenesis, laboratory diagnosis, epidemiology, prophylaxis, treatment.

iii. Oncogenic viruses: morphology, types, life cycle, pathogenesis, laboratory diagnosis, epidemiology, prophylaxis, treatment.

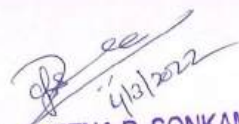
Chapter-4. Protozoa, Fungi and Typhus fever

15 Hr

i. Protozoa: Plasmodium spp (morphology, life cycle, clinical signs and symptoms, laboratory diagnosis, prophylaxis/ prevention and chemotherapy).

ii. Fungi: Candida albicans (morphology, clinical signs and symptoms, laboratory diagnosis, prophylaxis/ prevention and chemotherapy).

iii. Typhus fever: (morphology of causative agent, clinical signs and symptoms, laboratory diagnosis, prophylaxis/ prevention and chemotherapy)


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