

B.D.S. [1st Year]

BF/2020/07

General Human Anatomy

[New Scheme w.e.f 2007 admission]

Time :3 Hours

Max Marks.:70

- Note: 1.) Attempt all questions.*
2.) **ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**
3.) **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED**
4.) **The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.**
5.) **Illustrate answers with suitable schematic diagrams.**

PART - A

1. Describe Mandible under the following heads : - [5x3= 15]
(a) Surfaces, Borders, Parts, Muscles attached
(b) Nerves related and Ossification
(c) Movements of Mandible
2. Write Notes on :-
(a) Histology of the Respiratory Tract
(b) Submandibular Region [5x4=20]
(c) Events in the second week of Intra uterine Life
(d) Recurrent Laryngeal Nerves
(e) Lymphatic Drainage of Tongue

PART - B

3. Write Notes on :- [5+5+5=15]
(a) Intercostal Space
(b) Relations of Kidneys (Right and Left)
(c) Circle of Willis
4. Describe :- [5x4=20]
(a) Maxillary Artery
(b) Lateral Wall of Nose
(c) Development of Face
(d) Interior of Right Atrium
(e) Tributaries of Internal Jugular Vein

B.D.S. [1st Year]

BF/2020/07

General Human Physiology & Biochemistry

[New Scheme w.e.f 2007 admission]

Time :3 Hours

Max Marks.: 70

Note: 1.) Attempt all questions.

2.) USE SEPARATE ANSWER BOOK FOR EACH PART.

3.) The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.

SECTION-A

QP Code:BDN102

[PHYSIOLOGY]

[35]

1. Enumerate the hormones of Anterior Pituitary. Explain briefly about the functions of growth hormones. Discuss the regulation and abnormalities of growth hormone.
[2+5+4+4= 15]
2. Write Short Notes on : [4x5=20]
 - (a) Nerve Action Potential
 - (b) Surfactant
 - (c) Functions of Hypothalamus
 - (d) Features of ECG Waves
 - (e) Role of Pancreatic Secretions in Digestion

SECTION- B

QP Code:BDN103

[BIOCHEMISTRY]

[35]

1. Discuss Glycogenesis and Glycogenolysis. Explain briefly how these pathways are reciprocally regulated.
[15]
 2. Write Short Notes on : [4x5=20]
 - (a) Allosteric Enzymes
 - (b) Structure and Function of t- RNA
 - (c) Biochemical Basis of Scurvy
 - (d) Proto oncogenes
 - (e) Oxidative Phosphorylation
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B.D.S. [1st Year]

BF/2020/07

**Dental Anatomy
Embryology and Oral histology**

[New Scheme w.e.f 2007 admission]

Max Marks. :70

Time:3Hours

- Note:**
- 1.) *Attempt all questions.*
 - 2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
 - 3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED*
 - 4.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*
 - 5.) *Illustrate answers with suitable schematic diagrams.*

PART- A

1. Give a detailed account of the Life cycle of Ameloblasts. Add a note on the process of mineralization of enamel. [15]
2. Write Short Notes on :- [4x5=20]
 - (a) Embrasures
 - (b) Neural Crest Cells
 - (c) Myoepithelial Cells
 - (d) Taste Buds
 - (e) Root Trunk and Furcation

PART- B

3. Describe Maxillary First Premolar in detail from all aspect. Add an account of its side and type traits [15]
4. Write Short Notes on : [4x5=20]
 - (a) Classify Dentin
 - (b) Acellular and Cellular Cementum
 - (c) F.D.I. Two Digit System
 - (d) First Pharyngeal Arch and its Derivatives
 - (e) Woven Bone

B.D.S.[2nd Year]

BF/2020/07

General Pathology & Microbiology

[New Scheme w.e.f. 2007 admission]

Time :3 Hours

Max Marks.: 70

- Note:* 1.) *Attempt all questions.*
2.) **USE SEPARATE ANSWER BOOK FOR EACH PART.**
3.) **The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.**

SECTION A

QP Code: BDN201 (GENERAL PATHOLOGY) [35]

Note : Draw well labelled diagrams and flow charts where needed.

1. Enumerate various Granulomatous disorders. Discuss primary and secondary Tuberculosis. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Apoptosis
 - (b) Squamous Cell Carcinoma
 - (c) FAB Classification of Acute Leukaemias
 - (d) Laboratory Diagnosis of AIDS
 - (e) Complications of Diabetes Mellitus

SECTION B

QP Code: BDN202 (MICROBIOLOGY) [35]

1. Enumerate the causes of Meningitis and discuss laboratory diagnosis of Meningococcal Meningitis. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Enriched Culture Media
 - (b) IgM Antibody
 - (c) Opportunistic Infections in AIDS
 - (d) Amoebic Dysentery
 - (e) Oral Lesions in Syphilis

B.D.S.[2nd Year]

BF/2020/07

General Pathology & Microbiology

[New Scheme w.e.f. 2007 admission]

Time :3 Hours

Max Marks.: 70

- Note:* 1.) *Attempt all questions.*
2.) **USE SEPARATE ANSWER BOOK FOR EACH PART.**
3.) **The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.**

SECTION A

QP Code: BDN201s (GENERAL PATHOLOGY) [35]

Note : Draw well labelled diagrams and flow charts where needed.

1. Discuss Pathogenesis of Oedema. Briefly describe Pulmonary Oedema. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Fatty Liver
 - (b) Routes of Metastasis
 - (c) Chemical Mediators of Inflammation
 - (d) Laboratory Diagnosis of Chronic Myeloid Leukaemia
 - (e) Leukoplakia

SECTION B

QP Code: BDN202s (MICROBIOLOGY) [35]

1. Discuss the laboratory diagnosis, treatment and prophylaxis of Diphtheria. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Autoclave
 - (b) Type I Hypersensitivity
 - (c) Drug Resistance in Bacteria
 - (d) Gas Gangrene
 - (e) Lab. Diagnosis of Malaria

B.D.S.[2nd Year]

BF/2020/07

General & Dental Pharmacology

[New Scheme w.e.f. 2007 admission]

Time :3 Hours

Max Marks. :70

Note:

- 1.) Attempt all questions.**
- 2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**
- 3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED**
- 4.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.**

PART-A

1. Classify Antiretroviral Drugs. Describe therapeutic uses and side effects of Lamivudine. [15]
2. Write Short Notes on : [5x4=20]
 - (a) Ipratropium Bromide
 - (b) Amlodipine
 - (c) Second Generation Antihistamines
 - (d) Importance of Bioavailability of a Drug

PART-B

3. Classify Antiemetic Agents. Describe therapeutic uses and side effects of Metoclopramide. [15]
 4. Write Short Notes on : [5x4=20]
 - (a) Succinylcholine
 - (b) Methotrexate
 - (c) Folic Acid
 - (d) Mouthwashes
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B.D.S.[2nd Year]

BF/2020/07

Dental Materials

[New Scheme w.e.f. 2007 admission]

Time : 3 Hours

MaxMarks.:70

Note:

- 1.) *Attempt all questions.*
- 2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
- 3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
- 4.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

PART- A

1. Define Dental Cements. Give Classification of dental cements as per their use. Write in detail about the Glass Ionomer Cement. Explain metal modified and resin modified glass ionomer cements. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) What is Microleakage. Write about its clinical significance. How it can be prevented?
 - (b) Types and Manipulation of Inlay wax
 - (c) Principles of Optimal Sprue Design
 - (d) Define the following and label in Stress-Strain graph. Young's modulus, proportional and elastic limit, Yield Strength, Ultimate tensile strength, Toughness and Resilience.
 - (e) Laminate Technique

PART-B

3. Classify Dental Amalgam. Compare and contrast High-Cu & Low-Cu silver amalgam. Write in detail about the composition, setting reaction and microstructure of high copper admixed alloy. [15]
4. **Write Short Notes on :** [4x5=20]
 - (a) Write about porcelain to Metal bond. Mention the benefits and drawbacks of Metal Ceramics.
 - (b) Electrogalvanism
 - (c) Pits and Fissure Sealants and their significance
 - (d) Gypsum Bonded investments and their limitations.
 - (e) Differentiate between Heat Cure and Cold Cure Resin

B.D.S.[3rd Year]

BF/2020/07

General Medicine

[New Scheme w.e.f. 2007 admission]

Time :3 Hours

Max Marks. :70

- Note:**
- 1.) *Attempt all questions.*
 - 2.) **ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**
 - 3.) **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**
 - 4.) **The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.**

PART-A

1. Discuss risk factor, clinical feature, pathophysiology & management of Rheumatic Heart Disease.
[4+4+3+4=15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Extra Pulmonary Tuberculosis
 - (b) Alcoholic Liver Disease
 - (c) Causes, Prevention and Treatment of COPD
 - (d) Peptic Ulcer Disease
 - (e) Acute Renal Failure

PART- B

3. Define Anemia and it's etiology with clinical features and management of Iron Deficiency Anemia.
[3+4+4+4=15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Classify Diabetes Mellitus
 - (b) Nephrotic Syndrome
 - (c) Cardio Pulmonary Resuscitation
 - (d) Beri- Beri
 - (e) Protein Energy Malnutrition
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B.D.S.[3rd Year]

BF/2020/07

General Surgery

[New Scheme w.e.f 2007 admission]

Time : 3 Hours

MaxMarks: 70

- Note:** 1.) *Attempt all questions.*
2.) **ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**
3.) **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**
4.) **The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.**

PART- A

1. Classify Swellings of the Jaw. Discuss clinical features and management of Dental Cyst in detail. [15]
2. Write Short Notes on : [4x5=20]
- (a) Dry Gangrene
(b) Ludwig's Angina
(c) Grave's Disease
(d) Fractures of Mandible
(e) Cleft Lip

PART- B

3. Discuss indications, procedure, care and complications of Tracheostomy. [15]
4. Write Short Notes on : [4x5=20]
- (a) Cold Abscess
(b) Facial Nerve Palsy
(c) Ranula
(d) Hyperparathyroidism
(e) Absorbable Sutures
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B.D.S.[3rd Year]

BF/2020/07

Oral Pathology & Oral Microbiology

[New Scheme w.e.f. 2007 admission]

Time :-3 Hours

Max Marks. :70

- Note: 1.) *Attempt all questions.*
2.) **ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**
3.) **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**
4.) **The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.**

PART-A

1. Define and write the clinical classification of Dental Caries. Describe the histopathology of Enamel and Dental caries in detail. [15]
2. **Write Short Notes on :** [4x5=20]
- (a) Malignant Melanoma
 - (b) Median Rhomboid Glossitis
 - (c) Trigeminal Neuralgia
 - (d) Paget's Disease
 - (e) Erythroplakia

PART- B

3. Enumerate the Fibro-osseous Lesions of the Oral Cavity. Describe fibrous Dysplasia in detail. [15]
4. **Write Short Notes on :** [4x5=20]
- (a) Verrucous Carcinoma
 - (b) Scurvy
 - (c) Squamous Papilloma
 - (d) Oral Manifestations of Tuberculosis
 - (e) Rootless Teeth
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2020/07

Oral Medicine & Radiology

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time:3Hours

Max Marks :70

- Note:**
- 1.) *Attempt all questions.*
 - 2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
 - 3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
 - 4.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

PART-A

1. Classify TMJ Disorders. Discuss Myofascial pain dysfunction syndrome (MPDs) in detail. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Sjogren's Syndrome
 - (b) Odontogenic Keratocyst
 - (c) Management of Leukoplakia
 - (d) Plummer- Vinson Syndrome
 - (e) Addison's Disease

PART- B

3. Draw and describe parts of an X- Ray Machine. Explain in detail the production of X- Rays. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) PNS View
 - (b) Intensifying Screen
 - (c) Osteoradionecrosis
 - (d) Contrast Media & its application in Dentistry
 - (e) Dentinal Dysplasia.
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2020/07

Paediatric & Preventive Dentistry

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time : 3 Hours

Max Marks.: 70

- Note:**
- 1.) *Attempt all questions.*
 - 2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
 - 3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
 - 4.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

PART A

1. Define and classify Space Maintainers. [15]

2. **Write Short Notes on :** [4x5=20]
 - (a) Incisal Liability
 - (b) Natal & Neo-Natal Teeth
 - (c) Give any four classifications of Dental Caries
 - (d) Teething
 - (e) Calcium Hydroxide

PART B

3. Write mechanism of action of Fluorides in detail. [15]

 4. **Write Short Notes on :** [4x5=20]
 - (a) Systemic causes of Delayed eruption
 - (b) Dentigerous Cyst
 - (c) Bruxism
 - (d) Vitality Tests
 - (e) Primate Spaces
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2020/07

Orthodontics & Dentofacial Orthopaedics

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time : 3 Hours

MaxMarks.: 70

- Note:** 1.) *Attempt all questions.*
2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
4.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

PART A

1. Describe different types of dental, skeletal and functional Malocclusions. [15]
2. **Write Short Notes on :** [4x5=20]
 - (a) Cephalo caudal Gradient in Growth
 - (b) Intramembranous Bone Formation
 - (c) Etiology of Midline Diastema
 - (d) Ricket's E- line
 - (e) ANB Angle

PART B

3. Describe Tissue response to light & heavy orthodontic force application. [15]
 4. **Write Short Notes on :** [4x5=20]
 - (a) Baker's Anchorage
 - (b) Principles of Action of Functional Appliances
 - (c) Indications for Arch Expansion
 - (d) D/D of True and Pseudo Class III Malocclusion
 - (e) Causes of Relapse
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B.D.S. [Fourth Year/fourth Year(Final Prof.)]

BF/2020/07

Periodontology

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time :3 Hours

Max Marks. :70

Note: 1.) Attempt all questions.

2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.

3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED

4.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.

PART A

1. Define Calculus. Differentiate between Supragingival and Subgingival calculus. Enumerate the theory of calculus formation.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Host Modulation Therapy
- (b) Gracey Curette
- (c) Chlorhexidine
- (d) Biological Width
- (e) Bundle Bone

PART B

3. Classify Gingival enlargements. Describe pathogenesis, C/F and management of Phenytoin induced gingival enlargement.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Periodontal Pocket as a Healing Lesion
 - (b) Co-aggregation
 - (c) Necrotizing Ulcerative Gingivitis
 - (d) Gingival Crevicular Fluid
 - (e) Excisional New Attachment Procedure (ENAP)
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B.D.S. [Fifth Year/Fourth Year(Final Prof.)]

BF/2020/07

Oral and Maxillofacial Surgery

[New Scheme w.e.f.2007 &2008 admission batch]

Time : 3 Hours

Max Marks.:70

- Note:* 1.) *Attempt all questions.*
2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
4.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*
5.) *Illustrate answers with suitable schematic diagrams.*

PART A

1. Classify Odontogenic Tumors. Describe the clinical & radiological features with treatment of Ameloblastoma. [15]
2. Write Short Notes on : [4x5=20]
- (a) Sialolith
(b) Trismus
(c) Caldwell- Luc- Procedure
(d) Tracheostomy
(e) Indications of Extraction of Teeth

PART B

3. Define Fracture and Classify Mandibular Fractures. Discuss sign and symptoms of Mandibular Angle Fracture with its management. [15]
4. Write Short Notes on : [4x5=20]
- (a) Osseointegration
(b) Marsupialization
(c) Lingual Split Technique
(d) Osteomyelitis
(e) Posterior Superior Nerve Block
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B.D.S. [Fifth Year/Fourth Year(Final Prof.)]

BF/2020/07

Prosthodontics and Crown & Bridge

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time :3 Hours

Max Marks. :70

- Note:** 1.) *Attempt all questions.*
2.) *ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.*
3.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED*
4.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*
5.) *Draw neat and labelled diagrams wherever necessary.*

PART A

1. What is Partial Veneer Crown. Discuss indication, contraindication and preparation for a three quarter crown on maxillary cuspid with diagram. [15]
2. Write Short Notes on : [4x5=20]
 - (a) Centric Relation
 - (b) Die Systems
 - (c) Pre prosthetic Surgery
 - (d) Minor Connectors
 - (e) Radiographs in FPD

PART B

3. Classify partial denture conditions and discuss impression technique for distal extension partial dentures. [15]
 4. Write Short Notes on : [4x5=20]
 - (a) Overdentures
 - (b) Post & Core
 - (c) Stability in Complete Denture
 - (d) Geriodontology
 - (e) Classify Bridges & give their types
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B.D.S. [Fifth Year/fourth Year(Final Prof.)]

BF/2020/07

Conservative Dentistry and Endodontics

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time :3 Hours

Max Marks.:70

Note: 1.) *Attempt all questions.*

2.) ***ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.***

3.) ***NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED***

4.) ***The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.***

5.) *Illustrate answers with suitable diagrams.*

PART A

1. Define Contact and Contour. Discuss in detail different wedges and matrices used for anterior and posterior restorations.

[15]

2. **Write Short Notes on :**

[4x5=20]

- (a) Class II Amalgam Preparation v/s Inlay Preparation
- (b) Hue, Value, Chroma
- (c) Microabrasion
- (d) Chemical Management of Dental Caries
- (e) Cavity Liners and Bases

PART B

3. Enumerate different Cleaning and Shaping Techniques of Root Canals. Discuss in detail Step- back technique of Biomechanical preparation.

[15]

4. **Write Short Notes on :**

[4x5=20]

- (a) Chronic Hyperplastic Pulpitis
 - (b) Laws of Root Canal Orifice Location
 - (c) Indications and Contra- indications of Endodontic Surgery
 - (d) Irrigants
 - (e) Procedural Errors during Cleaning and Shaping of Root Canals
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B.D.S. [Fifth Year/Fourth Year(Final Prof.)]

BF/2020/07

Public Health Dentistry

[New Scheme w.e.f. 2007 & 2008 admission batch]

Time :3 Hours

Max Marks. :70

Note: 1.) Attempt all questions.

2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.

3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED

4.) The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.

PART A

1. Define Primary Health Care. Write briefly about elements of primary health care. Describe in detail, principles of primary health care.

[2+5+8=15]

2. Write Short Notes on :

[4x5=20]

- (a) Bias in Epidemiological Studies
- (b) Vital Layer in Slow Sand Filter
- (c) Pie- Diagram
- (d) Russell's Periodontal Index
- (e) Prevention of Oral Cancer

PART B

3. Define Water Fluoridation. Write briefly about mechanism of action of fluoride. Describe in detail about Knutson Technique.

[2+4+9=15]

4. Write Short Notes on :

[4x5=20]

- (a) Dentifrices
 - (b) Methods of Data Presentation
 - (c) Principles of Ethics
 - (d) Sampling Techniques
 - (e) Accredited Social Health Activist
-