

**ODISHA NURSES & MIDWIVES
EXAMINATION BOARD
FIRST YEAR ANNUAL EXAMINATION IN
GNM-2025**

**Paper-I
(Bioscience)**

Time -3Hrs

Full marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. Draw a labelled diagram of cell. [4]
- b. Write the function of various cell organelles and the cell membrane [6]
- c. Describe the cell cycle. [5]

OR

- a. Define respiration. [3]
 - b. Draw a labelled diagram of the Lungs. [4]
 - c. Explain the mechanism of respiration in detail. [8]
-
2. a. Define sterilisation. [2]
 - b. Explain the physical methods of sterilisation. [7]
 - c. Briefly describe the Bio-medical waste management. [6]

OR

- a. Define infection. [3]
- b. Describe the various sources and modes of transmission of infection. [7]
- c. Draw a labelled diagram of a microscope. [5]

PTO

3. Write short notes on any three of the following.

[3 × 5 = 15]

- a. Composition and function of blood.
- b. Cardiac cycle
- c. Cranial nerves
- d. Synovial joint
- e. Liver

4. A. Write the responsibilities and role of a nurse in the following situations. [2 × 5 = 10]

- a. An 18-year-old boy with epistaxis
- b. Sterilisation of sharp instruments
- c. A 70-year-old male with retention of urine
- d. Providing back care to an unconscious patient
- e. Fracture of upper arm

B. Fill in the blanks.

[1 × 5 = 5]

- a. Knee joint is an example of _____.
- b. Photoreceptors of eye are found in _____ layer.
- c. The ear is supplied by the _____ cranial nerve.
- d. The pancreatic enzyme which digests dietary carbohydrates is _____.
- e. The inner most layer of blood vessel is _____.

5. A. Write the full forms of the following abbreviations.

[1 × 5 = 5]

- a. CAG
- b. PT
- c. ICF
- d. CRP
- e. DNA

B. Write True / False.

[1 × 10 = 10]

- a. Filariasis is caused by infected water.
- b. Femur is the largest bone in the human body.
- c. Heart is supplied by mesenteric vessels.
- d. The normal systolic blood pressure is 140mm of Hg.
- e. There are three bones in the middle ear.
- f. Fibroblast is found in epithelial tissue.
- g. Mitochondria is responsible for protein synthesis.
- h. Oxytocin primarily stimulates the bone marrow for RBC production.
- i. Pepsin is the active form of pepsinogen and is secreted in the stomach.

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Paper-II

(Behavioural Science- Psychology & Sociology)

Time -3Hrs

Full marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. Define Psychology. [4]
- b. Write the nature and scope of psychology. [6]
- c. Discuss the importance of psychology for nurses. [5]

OR

- a. What do you mean by personality. [3]
 - b. Discuss types of personality. [4]
 - c. Describe characteristics of adolescents. [8]
2. a. Define Social group [2]
 - b. Write briefly about various types of groups. [7]
 - c. Briefly describe the organisation structure of a group. [6]

OR

- a. Define Culture. [3]
- b. Enlist the characteristics of Culture. [7]

PTO

- c. Explain the factors responsible for social change. [5]
3. Write short notes on any three of the following. $[3 \times 5 = 15]$
- Attention
 - Marriage
 - Social agencies
 - Motivation
 - Rural and Urban problems
4. A. Write the responsibilities and role of a nurse in the following situations. $[2 \times 5 = 10]$
- Personality development
 - Coping in conflict
 - Breaking of bad habits
 - Juvenile delinquency
 - Family with taboos.
- B. Fill in the blanks. $[1 \times 10 = 10]$
- A false perception without an external stimulus is called _____.
 - Delinquency is _____ in the society.
 - A strong feeling is known as _____.
 - Attention is the chief characteristics of the _____ mind.
 - Population explosion can be controlled by _____.
 - The ability to acquire knowledge and skill is called _____.
 - Psychosexual theory of personality development was given by _____.
 - IQ level below 70 indicates _____.
 - Science of wealth is _____.
 - Hereditary and _____ influence the behaviour of an individual.

5. A. Write the full forms of the following abbreviations. $[1 \times 5 = 5]$

- BPL
- STM
- NIMHANS
- EEG
- IRDP

- B. Match the following. $[0.5 \times 10 = 5]$

Column A	Column B
a. Drive	i. Motivation
b. Withdrawal	ii. Safety from social conflicts
c. Auguste Comte	iii. Gloomy
d. Social stratification	iv. Social problem
e. Family is named after father	v. Irritability
f. Dyspepsia	vi. Adjustment
g. Day dreaming	vii. Differential aptitude test
h. Poverty	viii. Father of sociology
i. Constipation	ix. Patronymic
j. DAT	x. Fantasy

**ODISHA NURSES & MIDWIVES
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FIRST YEAR ANNUAL EXAMINATION IN
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Paper-III**

(Fundamentals of Nursing and First Aid)

Time -3Hrs

Full marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. Define Nursing. [3]
- b. Write down the qualities of a nurse. [5]
- c. Describe briefly the roles and responsibilities of a professional nurse. [7]

OR

- a. Define cross infection. [3]
 - b. What are the different types of transmission? [5]
 - c. Describe the methods of prevention of cross infection. [7]
2. a. What is pyrexia (fever)? [2]
 - b. Write briefly about various types of fever, mention the phases and give examples of each. [5]
 - c. Briefly describe the role of a nurse in providing care to a fever patient admitted to the hospital. [8]

OR

- a. What is a fracture. [3]
- b. Enlist the different types of fracture. [5]
- c. Explain the general rules of treatment of fracture. [7]

PTO

3. Write short notes on any three of the following. $[3 \times 5 = 15]$

- Constipation
- Cold application
- Methods of physical examination
- Barrier Nursing
- Oral hygiene

4. A. Write the responsibilities and role of a nurse in the following situations. $[2 \times 5 = 10]$

- A patient with breathing difficulty
- A patient having 104°C temperature
- Intravenous administration of drugs
- A person with snake bite
- A patient with bed sore

B. Fill in the blanks. $[1 \times 5 = 5]$

- Etiquette is a code of _____
- The main purpose of cardiac bed is to relieve _____ caused by cardiac disease.
- _____ examination is conducted on the body after death.
- Nose and throat infections may spread to the middle ear leading to _____.
- The temperature which exhibits a zig zag pattern is known as _____.

5. A. Write the full forms of the following abbreviations.

$[0.5 \times 10 = 5]$

- OPD
- WHO
- LAMA
- CPR

- PPE
- ICU
- CC
- IPR
- QID
- NPO

B. Write true or false. $[1 \times 10 = 10]$

- Auscultation is listening to the sounds of the body
- Dettol is used for sterilisation of instruments.
- Presence of blood in cough is called haematuria.
- Benedict's test is used to detect reducing sugar in urine.
- The data observed by the nursing officer is called objective data.
- Pyrexia is also known as hypertension.
- The normal respiration rate of an adult is 20 -24 /minute.
- Good body mechanics prevent fatigue & strain.
- Detection of ketone bodies in the body fluids is observed in acidosis.
- Otoscope is used for rectal examination.

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Paper-IV

(Community Health Nursing-1)

Time -3Hrs

Full

marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. Define community health Nursing. [3]
- b. Write down the determinates of health [6]
- c. Describe briefly the role of a nurse in promotion of health in a community. [6]

OR

- a. Define communication. [3]
 - b. What are the different types of communication and their importance? [5]
 - c. Describe the responsibilities of a nurse in establishment of successful communication. [7]
-
2. a. Enlist the criteria of safe and drinking water? [2]
 - b. Write briefly about health hazards caused due to contaminated water. [5]
 - c. Briefly describe the processes of water purification in small scale. [8]

OR

PTO

- a. Define epidemiology. [3]
 b. Explain the disease cycle. [5]
 c. Explain the role of a nurse in control of disease cycle. [7]

3. Write short notes on any three of the following. [3 × 5]

- a. Vital statistics
 b. UNICEF
 c. School health service
 d. National health policy
 e. Panchayat raj

A. Write the responsibilities and role of a nurse in the following situations. [2 × 5 = 10]

- a. Immunization session at outreach centre
 b. A person suffering from chronic cough
 c. Physically and mentally challenged individual
 d. A 15yr old girl with anaemia
 e. Control and prevention of diarrhoea in your area

OR

B. Fill in the blanks. [1 × 5 = 5]

- a. Indian red cross was established in the year _____
 b. MDA is administered to prevent _____
 c. Care provides food support to children through _____
 d. Action taken prior to the onset of the disease is called _____
 e. Chicken pox is caused by _____

A. Write the full forms of the following abbreviations. [1 × 10]

- a. DOTS

- b. NVBDCP
 c. BFHI
 d. MDA
 e. IRDP
 f. RBSK
 g. VCTC
 h. PPP
 i. IMNCI
 j. ONMEB

B. Write true or false. [1 × 5 = 5]

- a. PHC can also function as FRU.
 b. PCV is an component of pentavalent vaccine.
 c. NITI Ayog was established in 2015.
 d. National AIDS day is celebrated on the 1st of November.
 e. The first step to control communicable diseases is isolation.

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Paper-I

(Medical and Surgical Nursing I)

Time -3Hrs

Full

marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. What is renal failure. [3]
- b. Write briefly to explain aetiology, clinical presentation and complications of chronic renal failure. [5]
- c. Describe the nursing management of a patient with chronic renal failure [7]

OR

- a. Define Shock. [3]
 - b. Enlist the types of Shock, its clinical manifestations and complications. [6]
 - c. Write the nursing management of a patient with shock according to priority basis. [6]
-
2. a. What is Osteoarthritis? [2]
 - b. Write the causes, signs, symptoms and diagnostic tests for detection of osteoarthritis. [7]
 - c. Write in brief about the management of a patient with osteoarthritis. [6]

OR

PTO

- a. Define lung abscess. [3]
- b. Describe the aetiology, clinical manifestations and diagnostic tests for detecting lung abscess. [6]
- c. Prepare a nursing care plan for the patients admitted in pulmonary care unit of the hospital. [6]

3. Write short notes on any three of the following. [3 × 5 = 15]

- i. Haemodialysis
- ii. Diabetic ketoacidosis
- iii. Management of COPD
- iv. Common geriatric problems
- v. Peptic ulcer

4. A. Fill in the blanks. [1 × 10 = 10]

- i. A painful papillomatous growth caused by a virus that may occur on any part of the skin or sole is known as _____.
- ii. Microscopic study of exfoliated cells via special staining and fixation technique to detect abnormal cells is called _____.
- iii. A cluster of distressing physical and behavioural symptoms that occur at the second half of the menstrual cycle followed by a symptom free period is called _____.
- iv. The surgery for removal of fallopian tube is called _____.
- v. Anti-cancer drug causing photosensitivity is called _____.
- vi. Candidiasis is caused by _____.
- vii. Dermatitis medicamentosa is called _____.
- viii. _____ is a measure of intra ocular pressure.
- ix. Kussmaul's respiration is also known as _____.

- x. An injury to the ligament around a joint usually caused by twisting motion is called _____.

5. A. Write the full forms of the following abbreviations.

[1 × 10 = 10]

- i. AEP
- ii. CML
- iii. EBV
- iv. MRI
- v. CGN
- vi. UPJ
- vii. ESWL
- viii. CMV
- ix. PME
- x. ARF

B. Write True / False.

[1 × 10 = 10]

- i. Hyperglycaemia is a symptom of Diabetes mellitus.
- ii. Ethambutol is a drug used in the treatment of kidney failure.
- iii. Warfarin is a blood thinner.
- iv. Hashimoto's disease is an autoimmune disorder causing thyroiditis.
- v. Normal bleeding time is 5-10 mins.
- vi. Spinal anaesthesia is administered between T3-T4 space.
- vii. Myocardial infarction is called heart attack.
- viii. Palpation is done by the stethoscope.
- ix. Polio myelitis is a viral infection.
- x. Haemophilia is a hereditary disease.

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Paper-II

(Medical and Surgical Nursing II)

Time - 3Hrs

Full marks - 75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. What is angina pectoris. [3]
- b. Write briefly to explain types and aetiology angina pectoris. [5]
- c. Describe the nursing management of a patient with angina pectoris [7]

OR

- a. Define Glaucoma [3]
 - b. Enlist the types of Glaucoma, cause, clinical manifestations and its complications. [6]
 - c. Write the medical and nursing management of a patient with Glaucoma. [6]
2. a. Define fracture [2]
 - b. Write the types of fracture and enumerate it's clinical manifestations. [7]

PTO

- c. Briefly in detail about the emergency management of a patient with fracture. [6]

OR

- a. Define Dermatitis. [3]
 b. Describe the aetiology, clinical manifestations and various types of dermatitis. [5]
 c. Prepare a nursing care plan for the patients suffering from dermatitis. [7]

3. Write short notes on any three of the following. [3 × 5 = 15]

- a. Classification of burn
 b. Chemotherapy
 c. Cellulitis
 d. Eye bank
 e. Infection control measures for communicable diseases

4. A. Fill in the blanks. [1 × 5 = 5]

- a. NMDA is the apex body working under the leadership of _____.
 b. The examination technique used to evaluate the prostate is _____.
 c. The quantity of fluid needed in the first 24hrs for fluid replacement in a 45% burn patient is _____.
 d. The normal level of IOP is _____.
 e. Bleeding from the nose is called _____.

B. Write the role of a nursing officer in the following situations. [2 × 5 = 10]

- a. Educating a patient on self-care for pharyngitis.
 b. A patient with an insect in the ear.

- c. A patient with fracture hand.
 d. A patient with conjunctivitis.
 e. A patient with food poisoning.

5. A. Write the full forms of the following abbreviations.

[1 × 5 = 5]

- i. THR
 ii. TURP
 iii. MCV
 iv. FNAB
 v. VLDL

B. Write True / False.

[1 × 10 = 10]

- i. Post exposure prophylaxis of HIV includes intake of anti-retroviral drugs immediately.
 ii. In case of the urethrovesicular reflux the urine flows from the bladder to urethra.
 iii. Vomiting must be induced after the ingestion of caustic substances.
 iv. Patients on long term corticosteroid therapy are advised not to discontinue of the drug suddenly.
 v. Tight dressing can impede circulation.
 vi. Mammography is used to detect breast abnormality.
 vii. The key to disaster management is communication.
 viii. Patients undergoing radiation therapy of head might sustain permanent hair loss.
 ix. Cold water and irrigation should be done for removal of cerumen.
 x. Laryngitis is associated with gastroesophageal reflux.

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Paper-III

(Mental Health Nursing)

Time -3Hrs

Full marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. What is personality? [3]
- b. Write briefly about personality traits. [5]
- c. Describe the factors influencing personality development. [7]

OR

- a. What is phobic anxiety disorder? [3]
 - b. Write down the signs, symptoms and aetiology of anxiety disorders. [6]
 - c. Write the nursing management of a patient with phobic disorder. [6]
2. a. What is Depression? [2]
 - b. Write the causes, signs, symptoms of BPAD. [7]
 - c. Describe the prognosis, medical and nursing management of a patient of BPAD. [6]

PTO

OR

- a. What is mental health nursing? [3]
- b. Write the principles of mental health nursing. [5]
- c. What are the mis conceptions about mentally ill persons? [7]

3. Write short notes on any three of the following. [3 × 5 = 15]

- i. Bulimia nervosa
- ii. Adolescent crisis
- iii. Hypersomnia
- iv. Opioid used disorder
- v. Legal responsibilities of a nursing personnel involved in the care of a mentally ill person.

4. A. Write down the role of a nursing personnel in the following situations. [2 × 5 = 10]

- a. A patient with drug addiction.
- b. Adolescent girl with suicidal tendencies.
- c. An Alzheimer's patient
- d. A lady with paranoid schizophrenia.
- e. A patient preparing for ECT

B. Fill in the blanks. [1 × 5 = 5]

- i. The Indian mental health Act was passed in the year _____.
- ii. Chlorpromazine belongs to _____ drugs.
- iii. Repetition or mimicking phrases or words is known as _____.

- iv. Presence of anxiety with severe motor restlessness is known as _____.
- v. Rapid shift between topics that are unrelated to each other is called _____.

5. A. Write the full forms of the following abbreviations.

[1 × 5 = 5]

- i. NDPSA
- ii. NIMHANS
- iii. DER
- iv. GAD
- v. TNPR

B. Write True / False.

[1 × 10 = 10]

- i. Korsakoff's syndrome occurs due to intake of opium
- ii. Asclepiades of Bithynia advocated humane treatment of mental disorders.
- iii. Intense fear of becoming obese is seen in OCD.
- iv. ECT is contraindicated in decreased intracranial pressure.
- v. Thinking deeply about a small matter for a long period is known as thought block.
- vi. Crisis means a period of intense difficulty.
- vii. Exhibition is a sexual disorder.
- viii. Neuroleptic drugs are used in the treatment of psychosis.
- ix. Excessive sleeping in the day time is known as narcolepsy.
- x. Hallucination is misinterpretation of external stimuli.

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Paper-IV

(Child Health Nursing)

Time -3Hrs

Full marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. What is paediatric nursing? [3]
- b. Write briefly about trends in paediatric nursing. [5]
- c. Describe the role of paediatric nurse in child care. [7]

OR

- a. What is tonsillitis? [3]
 - b. Write down the signs, symptoms and aetiology of tonsillitis. [6]
 - c. Write the nursing management of a patient with tonsillitis. [6]
2. a. Define Diarrhoea. [2]
 - b. Write the causes, signs, symptoms of Diarrhoea. [7]
 - c. Describe the treatment plan of a paediatric diarrhoea patient. [6]

OR

PTO

- a. Define anaemia. [3]
- b. Write the causes classification and clinical manifestation of anaemia. [5]
- c. Explain the nursing management of anaemia. [7]

3. Write short notes on any three of the following.

[3 × 5 = 15]

- a. Failure to thrive
- b. Exclusive breast feeding
- c. Immunization schedule
- d. Child labour
- e. Scabies

4. A. Write down the role of a nursing personnel while dealing with the following paediatric patients. [2 × 5 = 10]

- a. Tetanus
- b. Hepatitis
- c. Measles
- d. Tuberculosis
- e. Thumb sucking

B. Fill in the blanks. [1 × 10 = 10]

- i. The juvenile justice act was launched in _____ century.
- ii. The first treatment of Diarrhoea is _____.
- iii. The main reason of female foeticide is _____.
- iv. Kolpik's spot is seen in _____.
- v. The full form of NSAID is _____.
- vi. The first permanent teeth usually appear by the age of _____.
- vii. The most important indicator of neurological development of a newborn is _____.

- viii. The average head circumference at birth is _____.
- ix. Failure to grasp the nipple at birth indicates _____.
- x. Pathological jaundice develops within _____ hours of birth.

5. A. Write the full forms of the following abbreviations.

[1 × 5 = 5]

- i. PCEC
- ii. GAVI
- iii. DT
- iv. BMV
- v. DIC

B. Write True / False.

[1 × 5 = 5]

- a. Phimosis can be corrected by retraction method.
- b. Diphtheria is a bacterial infection.
- c. Salmonella typhi causes enteric fever.
- d. Osteomyelitis is inflammation of the muscles.
- e. Sleep walking is known as bruxism.

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GNM-2025**

Paper-I

(Midwifery and Gynaecological Nursing)

Time -3Hrs

Full marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. Define infertility. [3]
- b. Enumerate the causes of infertility. [5]
- c. Enlist the diagnosis and describe the management of infertility. [7]

OR

- a. Define prolonged labour? [3]
 - b. Write down the causes and complications of prolonged labour. [5]
 - c. Write the nursing management of a patient with prolonged labour. [7]
2. a. What is abortion? [2]
 - b. Write the causes, signs, symptoms of abortion. [7]
 - c. Describe the nursing management of abortion. [6]

OR

PTO

- a. What is ectopic pregnancy? [3]
- b. Write the sites and clinical features of ectopic pregnancy. [5]
- c. Describe the nursing management of ectopic pregnancy [7]

3. Write short notes on any three of the following.

[3 × 5 = 15]

- a. Genetic counselling
- b. Hormone replacement therapy
- c. PPH
- d. Preconception care
- e. Ante natal exercise

4. A. Write down the role of a nursing personnel in the following situations. [2 × 5 = 10]

- a. Post operative care of episiotomy
- b. Counselling about family planning
- c. Counselling about menstrual hygiene
- d. Patient with pelvic inflammatory disease
- e. Immunisation

B. Fill in the blanks.

[1 × 10 = 10]

- i. The common type of pelvis considered to be normal is _____.
- ii. _____ is the outer foetal membrane.
- iii. Usually process of labour starts about _____ days after the first day of LMP.
- iv. Initial assessment of a neonate is done by _____.

- v. Vaginal discharges during puerperal period is known as _____.
- vi. Quickening can be felt at _____ weeks.
- vii. Hagar's sign can be elicited by _____ weeks.
- viii. Shortest diameter of foetal skull is _____.
- ix. The heart rate of newborn baby is around _____ per minute.
- x. Bluish colouration sign of vaginal mucosa is _____.

5. A. Write the full forms of the following abbreviations.

[1 × 5 = 5]

- a. DUB
- b. ARM
- c. FSH
- d. MSAFP
- e. IMNCI

B. Write True /False.

[1 × 5 = 5]

- i. In oligohydramnios, the fundal height is greater than normal.
- ii. Termination of pregnancy beyond 20 weeks can be done by any one doctor.
- iii. In transverse lie the foetal shoulders are the presenting part.
- iv. In case of contracted pelvis the risk of caesarean section is more.
- v. Physiological jaundice is more harmful than the Pathological jaundice.

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Paper-II

(Community Health Nursing-II)

Time -3Hrs

Full marks-75

Answer all questions.

Figures in the right-hand margin indicate marks

1. a. What do you mean by NHM ? [3]
- b. What are the objective of NRHM? [5]
- c. Write down the approaches and expected outcomes of NRHM. [7]

OR

- a. Define Reproductive health. [3]
 - b. Write down the main components of RCH programme. [5]
 - c. Elaborate RCH programme Phase-I & RCH Programme Phase-II. [7]
2. a. Define Primary Health care. [2]
 - b. What do you mean by public private partnership. [7]
 - c. Write the schematic representation of Health care delivery system in India. [6]

PTO

OR

- a. What is demography. [3]
 - b. Write down the stages of demographic cycle. [5]
 - c. As a community health nurse describe your role to control population explosion in our country. [7]
3. Write short notes on any three of the following. [3×5=15]
- a. Small family norm.
 - b. School health programme.
 - c. Bhore committee.
 - d. Indian Red Cross.
 - e. AYUSH
4. A. Write down the role of a nursing personnel in the following situations. [2 × 5 = 10]
- a. Patient with dog bite.
 - b. Patient with hyperglycemia.
 - c. Patient suffering from heart stroke.
 - d. Patient with Dengue fever.
 - e. Patient with worm infestation.

B. Fill in the blanks. [1 × 5 = 5]

- i. Indian Nursing Council Act was passed in _____.
- ii. Permanent method of Family planning of male is _____.
- iii. DOTS was launched in _____ year.
- iv. Administration of ready-made antibody create _____ immunity.
- v. Leprosy is also known as _____ disease.

5. A. Write the full forms of the following abbreviations.

[1 × 10 = 10]

- a. ELISA
- b. UNICEF
- c. DPMR
- d. UNESCO
- e. HMIS
- f. JSSK
- g. ASHA
- h. UNDP
- i. NACO
- j. IDD

B. Write True / False.

[1 × 5 = 5]

- i. Rural health scheme 1977 was recommended by Srivastav committee.
- ii. Antiretroviral therapy is given to an HIV patient.
- iii. Mudaliar committee is known as health survey and planning committee.
- iv. Home visiting is the backbone of community Health Nursing.
- v. Janani Suraksha Yojna was launched in 2005.
