

PAPER ONE

PART II: SHORT ANSWER QUESTIONS

MARKS

- Q: 1: Formulate two (2) actual and two (2) potential nursing diagnoses for an unconscious patient with internal bleeding. 4
- Q: 2: Outline six (6) specific nursing precautions for a patient with an under water seal drainage. 6
- Q: 3: Using the headings below, write short notes on Erythromycin.
- a) Classification. 1
 - b) Mode of action. 2
 - c) Outline two (2) contraindications. 2
 - d) List two (2) side effects. 1
- Q: 4: Differentiate between type I diabetes mellitus and type II diabetes mellitus. 5
- Q: 5: a) State the three (3) hormones produced by the thyroid gland. 3
- b) State six (6) nursing interventions for a patient suffering from acute hypothyroidism. 6
- Q: 6: Draw and label the lateral view of the female reproductive system. 5
- Q: 7: State five (5) clinical manifestations of pleural effusion. 5
- Q:8: Using the headings below, write short notes on Pethidine.
- a) Classification. 1
 - b) Mode of action. 2
 - c) Outline two (2) contraindications. 2
 - d) List four (4) side effects. 2
- Q:9: Make short notes on Amphotericin B, using the following subheadings.
- a) Classification and dosage 1
 - b) Explain how you will administer the drug to the patient. 3
 - c) Mode of action. 2
 - d) Outline two (2) contraindications. 2
 - e) List four (4) side effects. 2
- Q.10. Draw a well labelled diagram showing the conducting system of the heart. 5
- Q.11. Using a diagram illustrate the electrocardiogram of one cardiac cycle. 5

Q.12. Explain the pathophysiology of pneumonia.	5
Q. 13. Explain the pathophysiology of chronic obstructive pulmonary disease.	5
Q.14. Draw a well labelled diagram showing a lymph node.	5
Q. 15. Using a well labelled diagram, show the thymus gland of an adult and its related structures.	6
Q. 16. State four (4) functions of the spleen.	4
Q. 17. Differentiate between Hodkings and Non-hodkings lymphoma.	3

PART III: LONG ANSWER QUESTIONS (ESSAY)

MARKS

Q: 1: Mr. Abinadaab 40 years old, weighing 60kg sustained burns on the entire head, back and both arms. He is admitted to the burns unit.

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| a) Calculate the fluid required in the first 8 hours using the Parkland-Baxter formula. | 4 |
| b) Describe the management of Mr. Ike for the first 72 hours. | 12 |
| c) Explain two (2) complications likely to occur within the first 72 hours. | 4 |

Q: 2: Mrs. Alexis aged 47 years is admitted in the ward with a diagnosis of ulcerative colitis.

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| a) Define ulcerative colitis. | 1 |
| b) State five (5) clinical manifestations of ulcerative colitis. | 5 |
| c) Formulate four (4) actual nursing diagnosis for Mrs. Alexis. | 4 |
| d) Describe the management of Mrs. Alexis till discharge. | 12 |
| e) State three (3) complications that Mrs. Alexis may develop. | 3 |

Q. 3. Draw a nursing care plan for Mr. Quee 50 years who is admitted in the medical ward with severe pneumonia. 20mks

PART II: SHORT ANSWER QUESTIONS.

MARKS

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| Q: 1: Formulate four (4) nursing diagnoses for a patient with dehydration. | 4 |
| Q: 2: State five (5) indications for reverse barrier nursing. | 5 |

Q: 3: Using the headings below, write short notes on Nalidixic acid.

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| a) Classification. | 1 |
| b) Mode of action. | 2 |
| c) Outline two (2) contraindications. | 2 |
| d) List two (2) side effects. | 1 |

Q: 4: Explain the mechanism of action of insulin. 5

Q: 5: a) Explain two (2) hormones produced by the posterior lobe of the pituitary gland. 4

b) Draw and label a diagram to illustrate the thyroid gland and its related structures. 5

Q: 6: Outline the immediate management of a patient with an acute rupture of ectopic pregnancy. 6

Q: 7: State five (5) immediate nursing interventions for a patient with an acute asthmatic attack. 5

PART III: LONG ANSWER QUESTIONS (ESSAY)

MARKS

Q: 1: Mrs. X aged 44 years is admitted in the ward with a diagnosis of a brain abscess.

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| a) Outline two (2) etiologies of brain abscess. | 2 |
| b) State five (5) clinical manifestations that Mrs. Z may present with. | 5 |
| c) Describe the management of Mrs. Z till discharge. | 11 |
| d) List four (4) complications of brain abscess. | 2 |

Q: 2: Mr Sudi, 28 years old is admitted in the medical ward with a diagnosis of chronic gastritis.

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| a) State five (5) predisposing factors of chronic gastritis. | 5 |
| b) State three (3) diagnostic tests that can be done to confirm the diagnosis. | 3 |
| c) Describe the specific management of Mr. Sudi during his hospital stay. | 12 |

PART II: SHORT ANSWER QUESTIONS**MARKS**

- Q1: State four (4) clinical manifestations of emphysema. 4
- Q2: Explain three (3) priority interventions in controlling peripheral edema. 6
- Q3: Draw and label a diagram of a tooth. 5
- Q4: Explain the following risk factors in atherosclerotic heart disease.
- a) Cigarette smoking. 2
 - b) Elevated blood pressure. 2
 - c) Hyperlipidemia. 2
- Q5: Mrs. Mulu is admitted in the surgical ward with a diagnosis of ectopic pregnancy. Formulate two (2) actual and two (2) potential nursing diagnosis. 4
- Q6: Explain three (3) mechanical causes of intestinal obstruction. 6
- Q7: State five (5) components of management of diabetes mellitus. 5
- Q8: Using the headings below, write short notes on spironolactone.
- a) Classification. 1
 - b) Mode of action. 1
 - c) List four (4) side effects. 2

PART III: LONG ANSWER QUESTIONS (ESSAY)**MARKS**

- Q1: Mrs. Noroo is admitted in the ward following a diagnosis of intracerebral bleeding due to brain injury.
- a) List six (6) clinical manifestations of brain injury. 3
 - b) Explain three (3) types of brain injury. 6
 - c) Describe the specific management of Mrs. Noroo till discharge. 11

- Q2: Mr. Baye aged 46 years is a heavy smoker and he consumes alcohol excessively. He is a father of three and a widower suffering from gastric ulcers.
- a) State four (4) risk factors of gastric ulcers other than alcohol consumption and cigarette smoking. 4
 - b) Explain three (3) clinical manifestations of gastric ulcers. 6
 - c) Describe the management of Mr. Baye until he is stable. 10

PART II: SHORT ANSWER QUESTIONS **MARKS**

- Q: 1: State four (4) components of the planning phase in the nursing process. 4
- Q: 2: b) Explain the bone healing process. 5
- Q: 3: Outline five (5) clinical features of pneumothorax. 5
- Q: 4: Formulate three (3) nursing diagnosis for a patient with hypothyroidism. 3
- Q:5: Explain the management of a patient following lumbar puncture. 5
- Q: 6: State five (5) clinical manifestations of diabetic ketoacidosis. 5
- Q: 7: State three (3) major roles of a nurse before a blood transfusion. 3
- Q: 8: State four (4) causes of female infertility. 4
- Q: 9: Using the headings below, write short notes on pethidine.
- f) Classification. 1
 - g) Mode of action. 2
 - h) Outline two (2) contraindications. 2
 - i) List two (2) side effects. 1

PART III: LONG ANSWER QUESTIONS (ESSAY) **MARKS**

- Q: 1:Mrs. Bee , aged 60 years is admitted in the medical ward with a diagnosis of heart failure.
- a) Define heart failure. 1
 - b) State three (3) clinical manifestations of:-

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| (i) Left sided heart failure. | 3 |
| (ii) Right sided heart failure. | 3 |
| c) Describe the management of Mrs. Banda till discharge. | 13 |

Q: 2: Mrs. Imbo 56 years old is admitted in the medical ward having been diagnosed to have suffered an ischemic stroke (cerebrovascular) accident.

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| a) Draw and label a diagram illustrating the circle of Willis. | 5 |
| b) Describe the management of Mrs. Imbo till discharge. | 12 |
| c) State three (3) complications of cerebrovascular accident. | 3 |

PART II: SHORT ANSWER QUESTIONS

MARKS

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| Q: 1: State three (3) components of the diagnosis phase in the nursing process. | 3 |
| Q: 2: Explain three (3) characteristics of a professional nurse. | 6 |
| Q: 3: Outline five (5) clinical features of pneumothorax. | 5 |
| Q: 4: a) Formulate three (3) nursing diagnosis for a patient with hypothyroidism. | 3 |
| b) State five (5) health messages you would share with a patient suffering from hypothyroidism. | 5 |
| Q: 5: Describe the pathophysiology fo diabetic ketoacidosis. | 5 |
| Q: 6: a) Define infertility. | 1 |
| b) State five (5) causes of female infertility. | 5 |
| Q: 7: Using the headings below, write short notes on pethidine. | |
| j) Classification. | 1 |
| k) Mode of action. | 2 |
| l) Outline two (2) contraindications. | 2 |
| m) List two (2) side effects. | 1 |

PART III: LONG ANSWER QUESTIONS (ESSAY)

MARKS

Q: 1: Mrs. Banda, aged 60 years is admitted in the medical ward with a diagnosis of heart failure.

- d) Define heart failure. 1
- e) State three (3) clinical manifestations of:-
 - (i) Left sided heart failure. 3
 - (ii) Right sided heart failure. 3
- f) Describe the management of Mrs. Banda till discharge. 13

Q: 2: Mr. Kebo, 35 years old is admitted in the surgical ward with a diagnosis of osteomyelitis.

- a) Draw and label a diagram of the mature long bone. 5
- b) Explain the bone healing process. 5
- c) Describe the management of Mr. Kebo till discharge. 10

PART II: SHORT ANSWER QUESTIONS

MARKS

- Q: 1: State four (4) complications associated with insertion of a tracheostomy tube. 4
- Q: 2: State three (3) observations that a nurse should take into consideration following application of plaster of Paris . 3
- Q: 3: Explain the pathophysiology of cerebral vascular accident. 6
- Q: 4: Outline five (5) clinical manifestations of Cushing's syndrome. 5
- Q: 5: Outline three (3) periods in a woman's life when amenorrhea is considered normal. 3
- Q: 6: State five (5) risk factors of gastric ulcers. 5
- Q: 7: State five (5) preventive measures in renal failure 5
- Q: 8 State five (5) elements of the assessment phase of the nursing process. 5

Q: 9: Using the headings below, write short notes on Cotrimoxazole.

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| n) Classification. | 1 |
| o) Mode of action and dosage. | 2 |
| p) List four (4) indications. | 2 |

PART III: LONG ANSWER QUESTIONS (ESSAY)

MARKS

Q: 1. Mr. W sustained burns on the neck, chest and abdomen and was admitted in the surgical ward.

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|-------------------------------------------------------------------------------|----|
| a) Draw and label a diagram of the skin. | 5 |
| b) Calculate the percentage of burns the patient has sustained | 5 |
| c) Outline four (4) factors that determine the severity of a burn injury. | 4 |
| d) Explain the specific management of Mr. W within 48 hours post burn injury. | 11 |

Q: 2: Mr.P, 52 years old is admitted with complains of nocturia, urgency, frequency and incontinence. Further investigations revealed a diagnosis of benign prostate hypertrophy (BPH).

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|---------------------------------------------------------------------------|----|
| a) State six(6) risk factors in BPH | 3 |
| b) Outline four (4) diagnostic tests and procedures carried out for Mr. P | 4 |
| c) Outline the medical management for BPH | 3 |
| d) Describe the specific post operative care for Mr. P | 10 |

PART II: SHORT ANSWER QUESTIONS.

MARKS

Q: 1: State four (4) components of assessment in the nursing process. 4

Q: 2: Explain the role of a nurse in the care of a patient with a tracheostomy tube. 6

Q: 3: a) Define diabetes insipidus. 1

b) Outline four (4) clinical features of diabetes insipidus.	4
Q: 4: State five (5) signs and symptoms of pulmonary disease.	5
Q: 5: State five (5) early complications of fractures.	5
Q: 6: State four (4) causes of uterine prolapse.	4
Q: 7: State five (5) health messages you would share with a patient on insulin therapy.	5
Q: 8: Using the following headings write notes on Isoniazid.	
q) Classification.	1
r) Mode of action.	2
s) Outline two (2) contraindications.	2
t) List two (2) side effects.	1

PART III: LONG ANSWER QUESTIONS (ESSAY)

MARKS

Q: 1: Mrs. Imbo 56 years old is admitted in the medical ward having been diagnosed to have suffered an ischemic stroke (cerebrovascular) accident.

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|----------------------------------------------------------------|----|
| d) Draw and label a diagram illustrating the circle of Willis. | 5 |
| e) Describe the management of Mrs. Imbo till discharge. | 12 |
| f) State three (3) complications of cerebrovascular accident. | 3 |

Q: 2: Mr. Kay 42 years old is admitted in the ward with a diagnosis of hepatic cirrhosis.

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| a) State three (3) types of hepatic cirrhosis. | 3 |
| b) State five (5) nursing diagnoses for a patient with hepatic cirrhosis. | 5 |
| c) Describe the management of Mr. Kay till discharge. | 12 |

PART II: SHORT ANSWER QUESTIONS.

MARKS

Q: 1: Outline five (5) characteristics of the nursing process.	5
Q: 2: State six (6) nursing interventions towards prevention of nosocomial infections.	6
Q: 3: State four (4) clinical manifestations of Addison's disease.	4
Q: 4: a) Define bronchial asthma.	1
b) Explain the two (2) forms of asthma.	4
Q: 5: State two (2) hormones secreted by the posterior lobe of the pituitary gland and their functions.	2
Q: 6: Explain three (3) acute complications of diabetes mellitus.	6
Q: 7: Outline six (6) signs and symptoms of menopause.	6
Q: 8: Using the following headings write notes on Ranitidine.	
u) Classification.	1
v) Mode of action.	2
w) Outline two (2) indications.	2
x) List two (2) contraindications.	1

PART III: LONG ANSWER QUESTIONS (ESSAY)

MARKS

Q: 1: Mr. Lee 40 years old is admitted in the ward with a diagnosis of small bowel obstruction.	
a) Draw a well labeled diagram of the digestive system.	5
b) State four (4) mechanical causes of intestinal obstruction.	4
c) Describe the management of Mr. Lee till discharge.	11

Q: 2: Mrs. X 65 years old is admitted in the medical ward with a diagnosis of lung abscess.

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| a) State four (4) risk factors for development of lung abscess. | 4 |
| b) Outline four (4) clinical manifestations of lung abscess. | 4 |
| c) Describe the management of Mrs. X till discharge. | 10 |
| d) State two (2) preventive measures of lung abscess. | 2 |

PART II: SHORT ANSWER QUESTIONS

MARKS

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| Q1. State four (4) steps of planning in the nursing process. | 4 |
| Q2. Explain the pathophysiology of asthma. | 5 |
| Q3. State three (3) acute complications of diabetes mellitus. | 3 |
| Q4. Explain the management of a patient following lumbar puncture. | 8 |
| Q5. State five (5) nursing interventions for a patient with Cushing's syndrome. | 5 |
| Q6. Outline the management of pelvic inflammatory disease. | 5 |
| Q7. Explain the three basic measures to control peripheral edema. | 6 |
| Q8. Write short notes on omeprazole using the following headings. | |
| a) Classification | ½ |
| b) Indication. | ½ |
| c) Mode of action. | 1 |
| d) List four (4) side effects. | 2 |

PART III: LONG ANSWER QUESTIONS

MARKS

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| Q1. Mr. F sustained a fracture of the femur following a road traffic accident. | |
| a) Explain the two (2) methods of fracture reduction. | 4 |
| b) Outline five (5) factors that promote bone healing. | 5 |

- c) Explain the management of Mr. F following application of a cast. 10
- d) List any two (2) complications that Mr. F may develop. 1

PART II: SHORT ANSWER QUESTIONS

MARKS

- Q1: Outline four (4) functions of the skin. 4
- Q2: Explain three (3) factors that affect wound healing. 6
- Q3: State five (5) predisposing factors to otitis media. 5
- Q4: Outline the three (3) types of shock. 3
- Q5: State five (5) clinical manifestations of rheumatoid arthritis. 5
- Q6: State five (5) health messages you would share with a diabetic patient to prevent development of a diabetic foot. 5
- Q7: Outline five (5) advantages of nasogastric tube feeding. 5
- Q8: Draw and label a diagram of the heart showing the course of blood flow through the heart chambers. 5
- Q9: State two (2) adverse effects of chloramphenicol. 2

PART III: LONG ANSWER QUESTIONS (ESSAY)

MARKS

- Q1: Mrs. Mora is admitted in the intensive care unit following a diagnosis of acute respiratory failure.
- a) State four (4) mechanisms leading to acute respiratory Failure. 4
- b) Explain two (2) causes of acute respiratory failure. 4
- c) List four (4) obvious signs of acute respiratory failure. 2
- d) Describe the management of Mrs. Mora until the condition stabilizes. 10

PART II: SHORT ANSWER QUESTIONS

MARKS

- Q1: State four (4) classes of drugs used in management of diabetes mellitus. 4
- Q2: State five (5) clinical manifestations of rheumatoid arthritis. 5

Q3: Draw and label a diagram to illustrate the thyroid gland and its related structures.	5
Q4: Explain three (3) mechanical causes of intestinal obstruction.	6
Q5: Outline the management of pelvic inflammatory disease.	5
Q6: Outline four (4) factors that determine the severity of a burn injury.	4
Q7: State six (6) nursing interventions to prevent pressure sores.	6
Q8. Write short notes on vancomycin using the following headings.	
! a) Classification	½
! b) Indication.	1
! c) Mode of action.	2
! d) List four (4) side effects.	2