



The University of Fiji

(An Entity of Arya Pratinidhi Sabha of Fiji)



Umanand Prasad School of Medicine & Health Sciences

2025

FINAL EXAMINATION PAPER

SURG 602: SURGERY

Important Instructions to Students:

1. Read the questions, and instructions carefully and answer the questions.
2. You are allowed an **extra 10 minutes of reading time** (during this time, you are not allowed to write with a pen) and **180 minutes (3 Hours) to complete this paper**.
3. Silent, non-programmable calculators are allowed but not supplied.
4. Write all your answers in the answer booklet provided. If you need extra sheets, please ask the supervisor. Write your name, course code, and student identification number in the answer booklet and the attendance sheet.
5. This paper contains three (3) sections A, B, and C. All questions are compulsory to answer **except** section A choices.
6. Write all your answers legibly. The marker has the right to award a zero for answers that are not legible.
7. This is a **Closed Book Examination**. The University views plagiarism, cheating, and dishonest practice as serious offenses and if found, offenders are penalized.

Examination Paper Content (Format):

<u>Section</u>	<u>Question</u>	<u>Content</u>	<u>Marks</u>	<u>Suggested Time</u>
A	1-20	Multiple Choice	20	60 minutes
B	21-23	Short Answer Questions	60	90 minutes
C	24	Long Answer	20	30 minutes
		TOTAL	100	180 Minutes

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Registration Certificate Number (RGN0020/11)

DIRECTION: Choose the best answer. Write your final answer Capital letters in the answer sheet provided.
Section A: Multiple Choice Questions (20 points)

1. A 33-year-old lady presents with a neck lump, sweating palms, palpitations and slight fever. She is likely to have:
 - A. Sepsis
 - B. Hypovolaemic Shock
 - C. Graves' Disease
 - D. Peritonitis

2. A patient with an appendicitis is to be transferred from Balevuto Health centre to Lautoka Aspen hospital in 4 hours' time. He is also noted to have Impaired renal function. Select the most appropriate intravenous STAT dose antibiotics for this patient.
 - A. Ampicillin and Gentamycin
 - B. Cloxacillin and Gentamycin
 - C. Ampicillin and Septrin
 - D. Cloxacillin and Erythromycin

3. A child had hot water scalding burns to her trunk. Which answer below best estimates her Body surface Area burnt?
 - A. 10%
 - B. 40%
 - C. 60%
 - D. 7%

4. A 32-year-old male sustained a 10 cm laceration to mid leg with jagged edges of Tibia seen after a Motor Vehicle Accident. What classification below best describes the wound?
 - A. Mangled Limb - 12
 - B. APACHE II – 5
 - C. Gustilo Anderson IIIA
 - D. Mangled Limb – 5

5. A 42-year-old lady had Right Upper Quadrant pain at 1300 hours after a meal and presented to hospital. You are reviewing her at 2000 Hours and note she has pain still and tenderness in the Right Upper Quadrant. Her Abdominal scan is normal and the Gallbladder scan apart from a few calculi less than 5mms normal. She is likely to have.
 - A. Peptic Ulcer Disease
 - B. Cholangitis
 - C. Acute Cholecystitis
 - D. Biliary Colic

6. A Seventeen-year-old female has Right Iliac Fossa pain. This started with vague pain in the suprapubic area but now localised in the Right Iliac Fossa. This is most likely.
- A. Acute Appendicitis
 - B. Ruptured Ovarian Follicle
 - C. Mesenteric Adenitis
 - D. Colitis
7. A post op patient needs Intravenous Fluids. She is 100kg. Which below best represents her Sodium maintenance needs for the next 24 hours?
- A. 50 mmols/L
 - B. 400 mmols/L
 - C. 150 mmols/L
 - D. 500 mmols/L
8. The patient above's latest blood test shows Hypokalaemia. Despite 3 days of Hypokalaemia treatment with D/Saline and potassium, the Hyperkalaemia continues. What biochemical state below could she be in?
- A. Acute Kidney Injury
 - B. Hypophosphatemia
 - C. Hypochloraemia
 - D. Hypomagnesaemia
9. A patient with head injury has a dilated pupil on the left but normal on the right. What best describes his injury?
- A. Ipsilateral Extradural Hematoma
 - B. Contralateral Extradural Hematoma
 - C. Brainstem Injury
 - D. Intracerebral Hematoma
10. A 70-year-old post op patient requires pain relief. Which below is the WRONG prescription?
- A. IV Morphine 30mg over 24 hours
 - B. IV Pethidine 300mg over 24 hours
 - C. IV Morphine 5mg every 2 hours
 - D. IV Pethidine 50 mg every 6 hours
11. A 40-year-old man presents with fever and mild Right upper quadrant pain. His scan shows a Hypoechoic area measuring 50mm in diameter. His next best intervention is:
- A. Laparoscopic Intervention
 - B. Laparotomy
 - C. Intravenous Antibiotics only
 - D. Needle Aspiration

- 12.** A 45-year-old man presents with Anaemia, Right Lower Quadrant mass and change in bowel habits. The next best course of action is a:
- A. Laparoscopy
 - B. Exploratory Laparotomy
 - C. Colonoscopy
 - D. Intravenous Antibiotics
- 13.** A 75-year woman old presents with vomiting, constipation and abdominal distension. She had a hysterectomy 30 years ago. The next best course of action:
- A. Get a CT scan abdomen
 - B. Do her blood tests
 - C. Insert a Nasogastric Tube
 - D. Prep for a laparotomy
- 14.** A 33-year-old lady presents with a mass in the Right Lower flank around the psoas muscle. Her blood results show a CD4 count of 500 cells/mm³ and a HbA1C of 6.5%. Her CEA levels are 4 n/mls What is her likely disease?
- A. Immunocompromised state
 - B. Lymphoma of the Psoas
 - C. Diabetes
 - D. Complicated appendicitis
- 15.** A Definitive Airway is a:
- A. Cuffed Tube in the oropharynx and attached to a ventilatory device
 - B. Cuffed Tube in the trachea and attached to a ventilatory device
 - C. A Tracheostomy procedure
 - D. A Laryngeal mask
- 16.** A patient with a Chest Drain for tension pneumothorax suddenly becomes Short of Breath again. The best course of action is:
- A. ABCDE
 - B. Reposition Chest Drain
 - C. Reposition the Chest tube
 - D. Repeat the Chest Xray
- 17.** A child with recurrent ear infection is more likely to develop all the complications below EXCEPT
- A. Brain Abscess
 - B. Facial Nerve damage
 - C. Vagus nerve Damage
 - D. Vestibular-cochlea nerve damage

18. A 50-year-old man has poly nocturia, urinary frequency and urgency. He is likely to have:
- A. Cancer of the prostate
 - B. Benign prostatic hypertrophy
 - C. Type II Diabetes mellitus
 - D. Pheochromocytoma
19. A 24-year-old lady presents to the breast clinic with nodular and painful feeling breast before her menses REGULARLY and regresses after. Her likely diagnosis is:
- A. Breast cancer
 - B. Pre Invasive Lump
 - C. Proliferative Lump
 - D. Cyclic Nodularity
20. In a closed lower limb closed fracture patient who's unconscious, the best indication of compartment syndrome is:
- A. Pain
 - B. Pulses
 - C. Capillary refill
 - D. Mean arterial pressure

Section B: Short Answer Questions (60 points)

21. A 42-year-old man presents with scrotal swelling, pain, fever for the last week. His a newly diagnosed diabetic with RBS is 7.5 mmols/L. His Full Blood Count shows a haemoglobin of 10g/dL and Platelets of 120,000 per Micro Litre and White Cells of 3000 per Micro Litre.
- A. What is the likely Diagnosis? (2 marks)
 - B. What Investigations would you do and why (8 marks)
 - C. Describe your treatment (10 marks)
22. A 44-year-old woman presents with Right Upper Quadrant pain and is jaundiced. Her liver enzymes test is deranged and INR of 2. Her White cell count is 15000 cells per Micro Litre.
- A. What is her likely diagnosis? (2 marks)
 - B. Explain her jaundice. (4 marks)
 - C. What other investigations would you perform and why. (6 marks)
 - D. Describe her treatment. (8 marks)
23. A 65-year-old man presents with a Right breast lump which is 40mm and hard.
- A. List three Differentials diagnosis (3 marks)
 - B. What investigations would you do and why (8 marks)
 - C. Explain your treatment (9 marks)

Section C: Long Answer (20 points))

- 24.** A 75-year-old lady known hypertensive and Diabetic is brought into ED after a Motor Vehicle Accident. She has a saturation of Oxygen of 72% and cool, clammy peripheries. Detail your management.