

# Question Paper

Exam Date & Time: 29-Jun-2024 (02:15 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD BDS DEGREE EXAMINATION - JUNE/JULY 2024

SUBJECT: GS3102 - GENERAL SURGERY

(IR BATCH - CBME)

**Marks: 60**

**Duration: 165 mins.**

**Answer all the questions.**

**Draw diagrams and flowcharts wherever appropriate.**

**Answers to be specific to the question.**

### Long questions:

1. 64 year old female has come to the surgery OPD with a pigmented lesion over the heel of her left foot, which the clinician diagnoses as malignant. She says initially it was a mole which she had since birth and has recently changed in its characteristics. Also she complains of swelling in her left groin since 15 days.
  - 1A) What could be the most likely diagnosis? (1)
  - 1B) What characteristic attributes of the mole is expected to change in this transformation? (2)
  - 1C) What are the various types of this condition? (2)
  - 1D) What are the specific investigations that you would like to do? (2)
  - 1C) What are the treatment options that can be offered for this patient? (3)
  
2. 21 year old bike rider has been brought to the triage following a road traffic accident. He has sustained multiple open fractures and is actively bleeding from his wounds and also investigations have shown that there is intra abdominal bleeding. He is drowsy and disoriented, cold extremities and looks pale. Vitals are HR- 116 beats per minute, BP: 90/60mmHg, Respiratory rate 26 cycles per minute.
  - 2A) What specific diagnosis can you attain by the given details? (2)
  - 2B) Define and classify the various types of this condition. (1+2 = 3)
  - 2C) Describe the pathophysiology of this condition. (2)
  - 2D) What are the initial steps of emergent management that you would do? (3)

### Short Notes:

- 3A) Tonsillectomy-indications and complications. (2+2 = 4)
- 3B) Any two methods of calculating body surface area in burns. Any two formula for fluid resuscitation in burns. (2+2 = 4)
- 3C) Classify salivary gland tumors. Enumerate 4 complications of parotidectomy. (2+2 = 4)
- 3D) Tracheostomy-indications and complications. (2+2 = 4)
- 3E) Phases of fracture healing with diagrams. (3+1 = 4)

- 3F) Pathophysiology and clinical features of Grave's disease. (2+2 = 4)
- 3G) Laryngocele - anatomical description with diagram and clinical features. (2+2 = 4)
- 3H) Diathermy - advantages and disadvantages. (2+2 = 4)
- 3I) Massive blood transfusion - define, indications, complications. (1+1½+1½ = 4)
- 3J) Post exposure prophylaxis in HIV. Vaccination in Hepatitis B. (2+2 = 4)

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