

MANIPAL UNIVERSITY

FINAL BDS PART – II DEGREE EXAMINATION – JANUARY 2012

SUBJECT: ORAL AND MAXILLOFACIAL SURGERY (ESSAY)

Monday, January 09, 2012

Time: 14:30 – 17:00 Hrs.

Maximum Marks: 80

1. Define local anesthesia. Briefly explain the accepted theories of local anesthesia. Classify local anesthetics. Explain the mechanism of action of local anesthesia.
(2+2+3+3 = 10 marks)

2. Write short essays:

- 2A. A young female is anxious about her facial appearance. Explain the surgical options to treat her maxillary protrusion.
- 2B. Following a fall onto the chin in childhood a young male presents to you with bilateral temporomandibular joint ankylosis. Explain how the patient's condition may be treated.
- 2C. Explain the etiopathogenesis of sialolithiasis and how it may be surgically treated.
- 2D. Describe the pain pathway.
- 2E. After radiation therapy for oral carcinoma a patient develops osteoradionecrosis of the mandible. Explain the pathogenesis, clinical features and prevention.
- 2F. An elderly male with a highly resorbed alveolus presents to you for a denture. Explain the ridge augmentation procedures that could be performed.
- 2G. How would an ameloblastoma of the mandible that extended from the parasymphysis to the ramus of mandible be treated?
- 2H. Compare the merits and demerits of enucleation versus marsupialization of jaw cysts.
- 2I. A 30 year old diabetic female with poor oral hygiene presents to your dental clinic with bilateral woody swelling of the anterior neck and submandibular regions. She has hoarseness of voice, high temperature, halitosis, a protruding tongue, difficulty breathing and carious mandibular third molars. How would you treat this patient?
- 2J. How would you assess an impacted mandibular third molar tooth prior to surgical removal under local anesthesia?

(5×10 = 50 marks)

3. Write short notes:

- 3A. Treatment options of chronic osteomyelitis.
- 3B. Aspiration biopsy.
- 3C. Fracture of parasymphysis.
- 3D. Precautions for dental extraction in a diabetic patient.
- 3E. Reduction of TM joint dislocation.
- 3F. Steps of periapical surgery.
- 3G. Contraindications to NSAID prescription.
- 3H. Management of bleeding after dental extraction.
- 3I. Methods to sterilize surgical instruments and armamentarium.
- 3J. Flaps for closure of oro-antral fistula.

(2×10 = 20 marks)

