

Reg. No.....

**Second Year BDS Degree Examinations July 2018**

**Dental Materials**

**(2016 Scheme)**

**Time: 3hrs**

**Max Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary
- Write section A and section B in separate answer books (32 pages). Do not mix up questions from section A and section B

**QP Code: 214002**

**Section A: Prosthodontics**

**Max Marks: 35**

**Essay: (10)**

1. Define impressions in prosthodontics. Classify impression materials. Enumerate in detail the composition, properties and uses of any one elastic impression material. (2+3+5)

**Short notes: (2x5=10)**

2. Classify dental casting investment materials. Explain in detail about phosphate bonded investments. (2+3)
3. Enumerate the materials used as denture base resins. Add a brief note on curing cycle of denture base resins. (3+2)

**Answer Briefly: (5x3=15)**

4. CAD- CAM in prosthodontics
5. Wrought metal alloys
6. Green stick impression compound
7. Stress and strain
8. Describe Hue, value and Chroma.

**QP Code: 215002Section B: Conservative Dentistry**

**Max Marks: 35**

**Essay: (10)**

1. Classify dental cements. Explain in detail the composition, properties, manipulation and uses of poly carboxylate cement. (3+2+2+2+1)

**Short notes: (2x5=10)**

2. ADA classification of dental casting alloys. Describe in detail advantages and disadvantages of base metal alloys. (2+3)
3. Explain in detail various methods of trituration of amalgam and the setting reaction of amalgam. (3+2)

**Answer Briefly: (5x3=15)**

4. Classify casting defects
5. Composition and uses of Guttapercha
6. Rake angle
7. Inlay casting wax
8. Gold foil

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QP Code: 213002

Reg. No.....

**Second Year BDS Degree Examinations July 2018**

**General & Dental pharmacology and therapeutics**

**(2016 Scheme)**

**Time: 3 hrs**

**Max Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(2x10=20)**

1. Classify non-steroidal anti-inflammatory drugs. Mention the mechanism of action, adverse effects and therapeutic uses of aspirin. (4+2+2+2)
2. Classify fluoroquinolones. Enumerate the mechanism of action, adverse effects and therapeutic uses of ciprofloxacin. (4+2+2+2)

**Short notes:**

**(4x5=20)**

3. Classify the local anaesthetics. Explain the mechanism of action of lignocaine (3+2)
4. Classify diuretics and mention the mechanism of action of loop diuretics (3+2)
5. Classify oral hypoglycaemic agents. Mention the mechanism of action and adverse effects of glibenclamide. (3+2)
6. Classify antiseptics and mention its therapeutic applications. (3+2)

**Answer Briefly:**

**(10x3=30)**

7. Therapeutic uses of digoxin.
8. Therapeutic uses and contraindications of adrenaline.
9. Intravenous general anaesthetics
10. Explain briefly about the drugs used in helicobacter pylori therapy
11. Oral iron preparations
12. Mention four calcium channel blockers and its therapeutic uses
13. Explain about the local haemostatics
14. Explain the therapeutic uses of cotrimoxazole
15. Explain briefly on dentifrices
16. Mention the drugs used in insomnia and explain the mechanism of action

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**Second Year BDS Degree Examinations July 2018**

**General Pathology and General Microbiology**

**(2016 Scheme)**

**Time: 3 hrs**

**Max Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary
- Write section A and section B in separate answer books (32 pages). Do not mix up questions from section A and section B

**QP Code: 211002 Section: A General Pathology Max Marks: 35**

**Essay: (10)**

1. Define inflammation. Enumerate the chemical mediators of inflammation. Discuss the cellular events in acute inflammation. (2+3+5)

**Short notes: (2x5=10)**

2. Classify anaemia. Discuss the peripheral smear picture in iron deficiency anaemia. (2+3)
3. Describe healing by primary intention with the help of a diagram. Mention four complications of wound healing. (4+1)

**Answer Briefly: (5x3=15)**

4. Pathologic classification
5. Septic shock
6. Giant cell tumour
7. Metastatic cascade
8. Actinomycosis

**QP Code: 212002 Section: B General Microbiology Max Marks: 35**

**Essay: (10)**

1. Define and classify sterilization. Describe moist heat sterilization (2+3+5)

**Short notes: (2x5=10)**

2. Describe the pathogenesis and laboratory diagnosis of syphilis. (2+3)
3. Define hypersensitivity and mention types of hypersensitivity reaction. Describe the mechanism of anaphylaxis. (1+2+2)

**Answer Briefly: (5x3=15)**

4. Candidiasis
5. Laboratory diagnosis of diphtheria
6. Classical complement pathway
7. Drug resistance
8. Laboratory diagnosis of HIV

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