

I.T.S DENTAL COLLEGE, HOSPITAL & RESEARCH CENTRE

47, Knowledge Park-III, Greater Noida

BDS 2nd Year (2012 Reg. Batch)

Second Internal Assessment Examination

Subject: Dental Material

- Attempt all questions
- Use separate sheet for Part A & Part B
- Draw neat and well labelled diagram wherever required

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ITS Dental College Hospital & Research Centre
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26.05.2014
Time: 3 hrs
M.M. – [35]

PART - A

- Q. 1 Classify Dental Casting Alloys? Describe the composition & properties of Metal Ceramic Alloys. [10]
- Q. 2 Classify Waxes? Write the composition, properties & uses of Inlay Casting Wax. 10]
- Q. 3 Write short notes on: 5X3=[15]
- a) Strain hardening or work hardening (Method of Strengthening metals)
 - b) Titanium Alloys
 - c) Classify porosities in casting

PART – B

MM: [35]

- Q. 4 Classify Investment materials? Describe all the types in detail. [10]
- Q. 2 Enumerate nonaqueous elastic impression materials. Discuss addition silicon impression material in detail. [10]
- Q. 3 Write short notes on: 5X3=[15]
- a) Annealing (Stress Relieving heat treatment)
 - b) Eutectic & Peritectic alloys
 - c) Back Pressure Porosity

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