

Dow Dental College**TERM 1: (6TH JAN-13TH JUNE)**

Weeks	Dental Materials (Lecture 1)	Dental Materials (Lecture 2)	Dental Materials Practical
Week 1	Introduction to Dental Materials Dr Faiza	Properties Used to Characterize Materials Dr Faiza	Introduction To Dental Instruments And Partial Denture.
Week 2	Properties Used to Characterize Materials Dr Faiza	Properties Used to Characterize Materials Dr Faiza	<ul style="list-style-type: none"> Manipulation of Gypsum & Demonstration of Plaster Slab fabrication
Week 3	Properties Used to Characterize Materials Dr Faiza	Properties Used to Characterize Materials Dr Faiza	<ul style="list-style-type: none"> Plaster Slab fabrication
Week 4	Properties Used to Characterize Materials Dr Faiza	Properties Used to Characterize Materials Dr Faiza	<ul style="list-style-type: none"> Plaster Slab Fabrication
Week 5	Properties Used to Characterize Materials Dr Faiza	Gypsum Products for Dental Casts Dr Tabinda	<ul style="list-style-type: none"> Plaster Slab Fabrication
Week 6	Gypsum Products for Dental Casts Dr Tabinda	Dental Waxes Dr Fasiha	<ul style="list-style-type: none"> Plaster Slab Fabrication
Week 7	Impression Materials Dr Tabinda	Impression Materials Dr Tabinda	<ul style="list-style-type: none"> Plaster Slab Fabrication
Week 8	Impression Materials Dr Tabinda	Impression Materials Dr Tabinda	<ul style="list-style-type: none"> Demonstration of Wire Bending (A, E, F, H, I, J, K, L, M, N, T, V, W, X, Y, Z)
Week 9	Impression Materials Dr Tabinda	Impression Materials Dr Tabinda	<ul style="list-style-type: none"> Wire Bending Impression making pouring and model trimming
Week 10	Impression Materials Dr Tabinda	Synthetic Polymers Dr Faiza	<ul style="list-style-type: none"> Wire Bending Impression making pouring and model trimming
Week 11	Synthetic Polymers Dr Faiza	Denture Base Polymers Dr Faiza	<ul style="list-style-type: none"> Wire Bending Impression making pouring and model trimming
Week 12	Denture Base Polymers Dr Faiza	Denture Base Polymers Dr Faiza	<ul style="list-style-type: none"> Wire Bending Impression making pouring and model trimming
Week 13	Denture Lining Materials Dr Fasiha	Artificial Teeth Dr Fasiha	<ul style="list-style-type: none"> Demonstration of Wire Bending (B, C, D, G, O, P, Q, R, S, U)

Week 14	Metals and Alloys Dr Faiza	Gold and Alloys of Noble Metals Dr Faiza	• Wire Bending
Week 15	Gold and Alloys of Noble Metals Dr Faiza	Base Metal Casting Alloys Dr Faiza	• Wire Bending
Week 16	Steel and Wrought Alloys Dr Faiza	Steel and Wrought Alloys Dr Faiza	• Wire Bending
Week 17	Investment and refractory dies Dr Tabinda	Investment and refractory dies Dr Tabinda	• Wire Bending
Week 18	Casting Dr Faiza	Casting Dr Faiza	• Wire Bending Completion
Week 19	Revision class	Revision Class	• Wire Bending Completion

SCIENCE OF DENTAL MATERIALS

2nd Year BDS Lecture Outline

Term 2: (15th JUNE- 25TH OCTOBER 2020)

Weeks	Dental Materials 1 Lecture	Dental Materials 2 Lecture	Dental Materials Practical
Week 1	Partial Denture and its components	Partial Denture and its components	Introduction to Partial Denture Demonstration of clasp fabrication, wax up and set up
Week 2	Requirements of direct filling materials and historical perspective Dr Fasiha	Dental Amalgam Dr Tabinda	clasp fabrication
Week 3	Dental Amalgam Dr Tabinda	Dental Amalgam Dr Tabinda	clasp fabrication
Week 4	Resin-based filling materials Dr Faiza	Resin-based filling materials Dr Faiza	Wax up
Week 5	Resin-based filling materials Dr Faiza	Resin-based filling materials Dr Faiza	Wax up
Week 6	Adhesive restorative materials: Bonding of resin-based material Dr Faiza	Adhesive restorative materials: Bonding of resin-based materials Dr Faiza	Wax up
Week 7	Adhesive restorative materials: Bonding of resin-based materials Dr Faiza	Adhesive restorative materials: Bonding of resin-based materials Dr Faiza	Articulation
Week 8	Glass Ionomer restorative materials Dr Faiza	Glass Ionomer restorative materials Dr Faiza	Teeth set up
Week 9	Resin Modified Glass Ionomers & Related Materials Dr Fasiha	Resin Modified Glass Ionomers & Related Materials Dr Fasiha	Teeth set up

Week 10	Finishing & Polishing Materials Dr Fasiha	Finishing & Polishing Materials Dr Fasiha	Teeth set up
Week 11	Finishing & Polishing Materials Dr Fasiha	Requirements of dental cements for lining, base & luting materials Dr Fasiha	Flasking and Dewaxing
Week 12	Cements based on phosphoric acid Dr Faiza	Cements based on phosphoric acid Dr Faiza	Flasking and Dewaxing
Week 13	Cements based on organometallic chelate compounds Dr Faiza	Cements based on organometallic chelate compounds Dr Faiza	Demonstration and Manipulation of Dental Cements Packing and curing
Week 14	Polycarboxylates, Glass ionomers & Resin modified glass ionomers for luting and lining Dr Faiza	Polycarboxylates, Glass ionomers & Resin modified glass ionomers for luting and lining Dr Faiza	Demonstration and Manipulation of Dental Cements Packing and curing
Week 15	Implants (New Inventions) Dr Tabinda	Implants (New Inventions) Dr Tabinda	Demonstration and Manipulation of Dental Cements Packing and curing
Week 16	Ceramics and Porcelain Fused to Metal Dr Tabinda	Ceramics and Porcelain Fused to Metal Dr Tabinda	Demonstration and Manipulation of Dental Cements Packing and curing
Week 17	Ceramics and Porcelain Fused to Metal Dr Tabinda	Ceramics and Porcelain Fused to Metal Dr Tabinda	Finishing and Polishing
Week 18	Endodontic materials Dr Tabinda	Endodontic materials Dr Tabinda	Finishing and Polishing
Week 19	Temporary Crown and Bridge Dr Fasiha	Revision Class	Submission

Midterm topics:

Introduction to Dental Materials
 Gypsum Products for Dental Casts
 Impression Materials
 Denture Lining Materials
 Metals and Alloys
 Base Metal Casting Alloys
 Investment and refractory dies

Properties Used to Characterize Materials
 Dental Waxes
 Synthetic Polymers
 Artificial Teeth
 Gold and Alloys of Noble Metals
 Steel and Wrought Alloys
 Casting

INCHARGE DEPARTMENT


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