

BHUSHANGAD : APRIL/ MAY 2011
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS (2008 course)
PAPER-II : CONSERVATIVE DENTISTRY

Day : Monday
Date : 16.05.2011

Time : 9.00 A.M. To 12.00 Noon
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

Q.1 Discuss the implications of high-speed in conservative dentistry. (20)

Q.2 Recent concepts in restoring proximal contacts. (20)

Short Essay Questions:

Q.3 Discuss recent advances in glass ionomer restorative material. (07)

Q.4 Mechanics of cutting with dental burs. (07)

Q.5 Tunnel cavity preparation. (07)

Q.6 Histopathology of caries in enamel. (07)

Q.7 Indications and contra-indications of cast-metal inlay. (07)

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BHUSHANGAD : APRIL/ MAY 2011
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS (2008 Course)
PAPER-I : APPLIED BASIC AND DENTAL MATERIAL SCIENCES

Day : Friday
Date : 13-05-2011

Time : 9.00 A.M. To 12.00 Noon
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

- Q.1 Describe the composition and functions of saliva and its role in the causation of dental caries. (20)
- Q.2 Recent developments of impression materials and techniques for extra-oral fabrication of restorations. (20)

Short Essay Questions:

- Q.3 Resin based cements. (07)
- Q.4 Hertwig's root sheath. (07)
- Q.5 Ceramic inserts. (07)
- Q.6 Age changes in enamel, dentine and pulp. (07)
- Q.7 Porosities in castings. (07)

BHUSHANGAD : APRIL/ MAY 2011
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS (2008 Course)
PAPER-III : ENDODONTICS

Day : Wednesday
Date : 18.05.2011

Time : 9.00 A.M. To 12.00 Noon.
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

- Q.1 Describe the recent advances in cleaning and shaping of the root canal system. (20)
- Q.2 Discuss the different pulp vitality tests. Add a note on non-odontogenic pain and its management. (20)

Short Essay Questions:

- Q.3 Use of different lasers in endodontics. (07)
- Q.4 Root end preparation and its restoration. (07)
- Q.5 Critically evaluate single visit endodontics. (07)
- Q.6 Avulsed tooth and its management. (07)
- Q.7 Endodontic mishaps. (07)

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BHUSHANGAD: APRIL/ MAY 2011
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS (2008 Course)
PAPER-IV : ESSAY

Day : Friday
Date : 20-05-2011

Time : 9.00 A.M. To 12.00 Noon .
Max. Marks : 75.

N.B.:

- 1) Attempt any **ONE**.
 - 2) Figure to the **RIGHT** indicates full marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Essay

Q.1 Regenerative Endodontics.

(75)

OR

Q.2 Historical review and recent developments in composite resins.

(75)

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BHUSHANGAD: APRIL / MAY – 2012
SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER – I: APPLIED ANATOMY, PHYSIOLOGY, AND PATHOLOGY
AND DENTAL MATERIALS

Day: Saturday
Date: 12-05-2012

Time: 9:00 A.M. To 12:00 Noon
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
-

Long Essay Questions:

- Q.1** Discuss the development of teeth and the various congenital anomalies during development. (20)
- Q.2** Classify casting alloys. Discuss casting procedures for base metal alloys. (20)

Short Essay Questions:

- Q.3** Cystic lesions of the oral cavity. (07)
- Q.4** Luting cements. (07)
- Q.5** Development of pulp –Dentin organ. (07)
- Q.6** Eruption of teeth. (07)
- Q.7** Differentiate between endodontic and non-odontogenic causes of pain. (07)

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BHUSHANGAD: APRIL / MAY – 2012
SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER – II: CONSERVATIVE DENTISTRY AND AESTHETIC DENTISTRY

Day: *Monday*
Date: *14.05.2012*

Time: *9.00 A.M. To 12.00 Noon*
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

- Q.1** How will you obtain contacts and contours in cast gold restorations and give (20)
their importance to periodontal health of tooth.
- Q.2** Critically evaluate the role of calcium hydroxide in conservative dentistry. (20)

Short Essay Questions:

- Q.3** Impression techniques in restorative dentistry. (07)
- Q.4** Sandwich technique. (07)
- Q.5** Minimal intervention dentistry. (07)
- Q.6** Bevels. (07)
- Q.7** Veneers. (07)

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BHUSHANGAD: APRIL / MAY – 2012
SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER – III: ENDODONTICS

Day: *Wednesday*
Date: *16.05.2012*

Time: *9.00 A.M. To 12.00 Noon*,
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

- Q.1 Endodontic emergencies. (20)
- Q.2 Write in detail about the iatrogenic causes of endodontic failures. (20)

Short Essay Questions:

- Q.3 Dentin hypersensitivity and its management. (07)
- Q.4 Explain the importance of digital radiography in endodontics. (07)
- Q.5 Mechanism of action of different methods of tooth whitening. (07)
- Q.6 Role of smear layer in endodontics. (07)
- Q.7 Discuss intra-canal irrigants. (07)

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BHUSHANGAD: APRIL / MAY – 2012
SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER – IV: ESSAY

Day: Friday
Date: 18.05.2012

Time: 8:00 A.M. To 12:00 Noon.
Max. Marks: 75

N.B.:

- 1) Answer Any **ONE**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Q.1 Dentin bonding agents- A critical appraisal. **(75)**

OR

Q.2 Endo-Periodontal problems and management. **(75)**

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BHUSHANGAD : Oct-Nov-2013
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER-I : APPLIED ANATOMY, PHYSIOLOGY & PATHOLOGY AND DENTAL MATERIALS

Day : *Thursday*
Date : *07-11-2013*

Time : *9.00 A.M. To 12.00 Noon*
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

- Q.1** Detail the course, relations, branches and applied anatomy of the Mandibular nerve. (20)
- Q.2** Discuss recent developments in the fabrication of ceramic restorations. (20)

Short Essay Questions:

- Q.3** Describe origin, insertion, nerve supply and action of the muscles of mastication. (07)
- Q.4** Briefly discuss theories of eruption of teeth. (07)
- Q.5** Advantages and limitations of rubber base impression materials. (07)
- Q.6** What is tarnish and corrosion? (07)
- Q.7** Fillers in composite resins. (07)

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BHUSHANGAD: Oct-Nov-2013
SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER - II: CONSERVATIVE DENTISTRY AND AESTHETIC DENTISTRY

Day: *Saturday*
Date: *09-11-2013*

Time: *9:00 A.M. To 12:00 Noon*
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat **DIAGRAMS** wherever necessary.

Long Essay Questions:

- Q.1 Describe the various treatment modalities for non-carious destruction of teeth. (20)
- Q.2 Discuss tooth preparation for restorations with reference to gingival response and marginal integrity of different restorative materials. (20)

Short Essay Questions:

- Q.3 Self etching primers. (07)
- Q.4 Clinical management of hypersensitive dentine. (07)
- Q.5 Impression procedures for indirect restorations. (07)
- Q.6 Discuss diagnostic aids useful in the detection of dental caries. (07)
- Q.7 Discuss matrices in restorative dentistry. (07)

BHUSHANGAD : Oct-Nov-2013
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER-III : ENDODONTICS

Day : Monday
Date : 11-11-2013

Time : 9:00 A.M. To 12:00 Noon
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1** Describe the structure and features of the root apex and its significance in endodontics. (20)
- Q.2** Classify etiology of tooth discolouration. Explain the mechanism of bleaching and discuss various bleaching materials used in dentistry. (20)

Short Essay Questions:

- Q.3** Regenerative Endodontics. (07)
- Q.4** Use of ultrasonics in endodontics. (07)
- Q.5** Microbial flora of infected root canal. (07)
- Q.6** Benefits of mineral trioxide aggregate. (07)
- Q.7** Root resorption and its management. (07)

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BHUSHANGAD : Oct. Nov. 2013
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER-IV : ESSAY

Day : *Wednesday*
Date : *13-11-2013*

Time : *9:00 A.M. To 12:00 Noon*
Max. Marks : 75.

N.B.:

- 1) Answer any **ONE**
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Veneers.

(75)

OR

Discuss in detail the different methods of working length determination during (75)
endodontic treatment.

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BHUSHANGAD: APRIL / MAY - 2014
SUBJECT: CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER -I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY &
DENTAL MATERIALS

Day: *Saturday*
Date: *19-04-2014*

Time: *9:00 A.M. To 12:00 Noon*
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

- Q.1** Recent developments in impression materials and techniques for extra-oral fabrication of restorations. (20)
- Q.2** Detail the course, relations, branches and applied anatomy of the Trigeminal nerve. (20)

Short Essay Questions:

- Q.3** Explain mechanics of cutting with dental burs. (07)
- Q.4** Advantages and limitations of rubber base impression materials. (07)
- Q.5** Give a brief resume of dental gypsum products. (07)
- Q.6** Metal free ceramics. (07)
- Q.7** Development and physiology of dentine. (07)

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BHUSHANGAD: APRIL / MAY - 2014
SUBJECT: CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER -II: CONSERVATIVE DENTISTRY & AESTHETIC DENTISTRY

Day: Monday
Date: 21-04-2014

Time: 9.00 A.M. To 12.00 Noon
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Describe the minimally invasive concepts in restorative dentistry. (20)
- Q.2 Discuss the progress made in the development of adhesive systems. (20)

Short Essay Questions:

- Q.3 Recent advances in vital bleaching procedures. (07)
- Q.4 Lasers in conservative dentistry. (07)
- Q.5 Smile Design. (07)
- Q.6 Caries activity tests. (07)
- Q.7 CAD/ CAM applications in conservative dentistry. (07)

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BHUSHANGAD: APRIL / MAY - 2014
SUBJECT: CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER -III: ENDODONTICS

Day: Friday
Date: 25-04-2014

Time: 9.00 A.M To 12.00 Noon
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Discuss treatment of root fracture. (20)
- Q.2 What are the possible causes of post-endodontic pain? Give management of the same. (20)

Short Essay Questions:

- Q.3 Role of Calcium Hydroxide in Endodontics. (07)
- Q.4 Explain the importance of digital radiography in endodontics. (07)
- Q.5 Mechanism of action of different methods of tooth whitening. (07)
- Q.6 Role of smear layer in endodontics. (07)
- Q.7 Justify the use of microscopes in endodontics. (07)

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BHUSHANGAD: APRIL / MAY - 2014
SUBJECT: CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER -IV: ESSAY

Day: Monday
Date: 28-04-2014

Time: 9:00 A.M. To 12:00 Noon
Max. Marks: 75

N.B.:

- 1) Answer any **ONE**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Q.1 Nanodentistry: a far -fetched dream? **(75)**

OR

Q.2 Recent concepts, controversies and challenges in shaping and cleaning of the root canal system. **(75)**

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BHUSHANGAD : SUMMER – 2015
SUBJECT: PAPER-I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY AND
DENTAL MATERIALS

Day: Monday
Date: 20-04-2015

Time: 9:00 A.M. To 12:00
Max. Marks: 75 Noon

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1** Describe in detail the structure of the human dental pulp and its response to different restorative procedures. (20)
- Q.2** Discuss the composition, functions and clinical significance of saliva. (20)

Short Essay Questions:

- Q.3** Describe the structure of the root apex and its significance. (07)
- Q.4** Antibiotics in Endodontics. (07)
- Q.5** Viral infections of the oral cavity. (07)
- Q.6** Write in detail about mercury hygiene in the dental operatory. (07)
- Q.7** Discuss the types, etiology and clinical features of enamel hypoplasia. (07)

BHUSHANGAD : SUMMER – 2015
SUBJECT: PAPER- II: CONSERVATIVE DENTISTRY AND
AESTHETIC DENTISTRY

Day: **Wednesday**
Date: **29.04.2015**

Time: **9.00 A.M. To 12.00 Noon**
Max. Marks: 75

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1** Describe the Minimally invasive concepts in conservative dentistry. (20)
- Q.2** Discuss composite resins as posterior restorative materials. (20)

Short Essay Questions:

- Q.3** Describe the forces acting on a class II cast restoration. (07)
- Q.4** Discuss shade selection in aesthetic restorative procedures. (07)
- Q.5** Management of gingival tissues for restorative procedures. (07)
- Q.6** Secondary retention for amalgam restorations. (07)
- Q.7** Veneers in conservative dentistry. (07)

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BHUSHANGAD : SUMMER – 2015
SUBJECT: PAPER III: ENDODONTICS

Day: **Friday**
Date: **24.04.2015**

Time: **9.00 A.M. To 12.00**
Max. Marks: 75 **Noon**

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1** Detail the protocol and procedures for single appointment endodontic therapy. (20)
- Q.2** Endodontic failures. Discuss in detail. (20)

Short Essay Questions:

- Q.3** Microscopes in endodontics. (07)
- Q.4** Briefly discuss recent advances in endodontic instruments for bio-mechanical preparation. (07)
- Q.5** "All endodontically treated teeth should have full coverage". Discuss. (07)
- Q.6** Regenerative Endodontics. (07)
- Q.7** Explain the role of calcium hydroxide in endodontics. (07)

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BHUSHANGAD : SUMMER – 2015
SUBJECT: PAPER IV: ESSAY

Day: **Monday**
Date: **27-04-2015**

Time: **9:00 A.M. To 12:00 Noon**
Max. Marks: 75

N.B.:

- 1) Figures to the right indicate **FULL** marks.
- 2) Draw neat diagrams **WHEREVER** necessary.

Q.1 Endo – perio lesions and their treatment. (75)

OR

Q.2 Discuss adhesion of dental restorative materials. (75)

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BHUSHANGAD : SUMMER 2016
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER-I : APPLIED ANATOMY, PHYSIOLOGY AND PATHOLOGY AND DENTAL MATERIALS

Day : Monday
Date : 06/06/2016

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Discuss the recent advances in dentin bonding agents. (20)
- Q.2 Describe the Histophysiology of the dental pulp. (20)

Short Essay Questions:

- Q.3 Muscles of Mastication. (07)
- Q.4 Infection control. (07)
- Q.5 Mandibular Nerve. (07)
- Q.6 Resin modified Glass Ionomer cement. (07)
- Q.7 Metal Free ceramics. (07)

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BHUSHANGAD : SUMMER 2016
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER-II : CONSERVATIVE DENTISTRY AND AESTHETIC DENTISTRY

Day : Wednesday,
Date : 08/06/2016

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1** Discuss advantages and limitations of tooth coloured restorative materials for posterior teeth. (20)
- Q.2** Critically evaluate pulp protection measures under different restorative materials. (20)

Short Essay Questions:

- Q.3** Self-etching primers. (07)
- Q.4** Lasers in Conservative dentistry. (07)
- Q.5** Mechanics of cutting with a dental bur. (07)
- Q.6** Modifications in Class II inlay preparation. (07)
- Q.7** Bonded amalgam restorations. (07)

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BHUSHANGAD : SUMMER 2016
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER-III : ENDODONTICS

Day : Friday
Date : 10/06/2016

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

Q.1 Discuss the diagnostic aids in endodontics and methods of diagnosis of fractured teeth. (20)

Q.2 Endodontic emergencies. Discuss. (20)

Short Essay Questions:

Q.3 Incision and drainage. (07)

Q.4 Discuss various techniques of root canal obturation. (07)

Q.5 Inter appointment flare-ups. (07)

Q.6 Significance of root apex. (07)

Q.7 Tooth avulsion. (07)

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BHUSHANGAD : SUMMER 2016
SUBJECT : CONSERVATIVE DENTISTRY AND ENDODONTICS
PAPER-IV : ESSAY

Day : Monday
Date : 13/06/2016

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75.

N.B.:

- 1) Answer any **ONE**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss management of discolored anterior teeth.

(75)

OR

Q.2 Discuss the procedural errors in endodontics and their management.

(75)

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BHUSHANGAD : SUMMER 2017
SUBJECT : PAPER-I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY AND
DENTAL MATERIALS

Day : Friday
Date : 19/05/2017

Time: 09.00 AM TO 12.00 NOON
Max. Marks: 75.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
-

Long Essay Questions:

- Q.1** Detail the course, relations, branches and applied anatomy of the Trigeminal nerve. (20)
- Q.2** Describe the composition and functions of saliva and its role in the causation of dental caries. (20)

Short Essay Questions:

- Q.3** What is the origin, insertion, nerve supply and action of the muscles of mastication? (07)
- Q.4** Write in brief about recent advances in ceramics. (07)
- Q.5** Briefly discuss theories of eruption of teeth. (07)
- Q.6** Advantages and limitations of rubber base impression materials. (07)
- Q.7** Give a brief resume of dental gypsum products. (07)

BHUSHANGAD : SUMMER 2017
SUBJECT : PAPER-II : CONSERVATIVE DENTISTRY AND AESTHETIC
DENTISTRY

Day : Monday
Date : 22/05/2017

Time: 09.00 AM TO 12.00 NOON
Max. Marks: 75.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

- Q.1** Describe various non-carious tooth defects. Write in detail the etiology, diagnosis and management of these conditions. **(20)**
- Q.2** Describe veneers in restoration of permanent anterior teeth. **(20)**

Short Essay Questions:

- Q.3** Recent advances in vital bleaching procedures. **(07)**
- Q.4** Lasers in conservative dentistry. **(07)**
- Q.5** Nanocomposites. **(07)**
- Q.6** Caries activity tests. **(07)**
- Q.7** Smile Design. **(07)**

BHUSHANGAD : SUMMER 2017
SUBJECT : PAPER-III ; ENDODONTICS

Day : Wednesday
Date : 24/05/2017

Time: 09.00 AM TO 12.00 NOON
Max. Marks: 75.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Long Essay Questions:

- Q.1** Describe in detail recent advances in obturating systems. (20)
- Q.2** Classify traumatic injuries, write on management of avulsed tooth. (20)

Short Essay Questions:

- Q.3** Apex locators. (07)
- Q.4** Benefits and hazards of smear layer in endodontics. (07)
- Q.5** Materials used in the repair of furcal perforations. (07)
- Q.6** Recent advances in endodontic irrigants. (07)
- Q.7** Lasers in endodontics. (07)

BHUSHANGAD : SUMMER 2017
SUBJECT : PAPER-IV : ESSAY

Day : Friday
Date : 26/05/2017

Time: 09.00 AM TO 12.00 NOON
Max. Marks: 75.

N.B.:

- 1) Figures to the **RIGHT** indicate full marks.
 - 2) Draw neat diagrams **WHEREVER** necessary.
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Q.1 Dentin bonding agents – A critical appraisal. **(75)**

OR

Q.2 Regenerative Endodontics. **(75)**

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M.D.S. CONSERVATIVE DENTISTRY & ENDODONTICS :

SUMMER - 2018

SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS

PAPER-IV : ESSAY

Day : **Friday**
Date : **15/06/2018**

S-2018-3614

Time : **09.00 AM TO 12.00 NOON**
Max. Marks: 75

N.B.:

- 1) Draw neat labeled diagrams **WHEREVER** necessary.
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Q.1 Discuss in detail methods of cleaning and shaping of Root canal space. **(75)**

OR

Q.2 Role of dental amalgam in the modern day restorative practice. **(75)**

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150618-m-dental-pune

M.D.S. Part- I (2018 - COURSE)(Conservative Dentistry & Endodontics) : SUMMER-2019
SUBJECT : APPLIED BASIC SCIENCES : APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY INCLUDING ORAL MICROBIOLOGY, PHARMACOLOGY,
BIostatISTICS AND RESEARCH METHODOLOGY AND
APPLIED DENTAL MATERIALS

Day : Friday
Date : 28/06/2019

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 100

S-2019-4088-C

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.

- Q. 1 Describe origin, insertion, nerve supply and action of muscles of mastication. (10)
- Q. 2 Classify casting alloys. Discuss casting procedures for base metal alloys. (10)
- Q. 3 Development and histophysiology of pulp dentin organ. (10)
- Q. 4 Discuss etiological factors of dental caries. (10)
- Q. 5 Calcium and phosphorus metabolism. (10)
- Q. 6 Discuss optical properties of restorative materials. (10)
- Q. 7 Discuss bacterial virulence factors of causative microorganisms involved in endodontic infections. (10)
- Q. 8 Discuss various parametric and non-parametric tests used for statistical data analysis. (10)
- Q. 9 Describe recent advances in dental amalgam. (10)
- Q.10 Discuss methods of sterilization. (10)

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M. D.S. Summer- 2019
SUBJECT : CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER – I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY & DENTAL MATERIALS

Day : Saturday
Date : 01/06/2019

S-2019-4068

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Describe the composition and functions of saliva and its role in the causation of dental caries. (20)
- Q.2 Detail the course, relations, branches and applied anatomy of Mandibular nerve. (20)

Short Essay Questions:

- Q.3 What is the origin, insertion, nerve supply and action of the muscles of mastication? (07)
- Q.4 Describe the structure of the root apex and its significance. (07)
- Q.5 Optical properties of tooth coloured restorative materials. (07)
- Q.6 Write in brief about recent advances in ceramics. (07)
- Q.7 Give a brief resume of dental gypsum products. (07)

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M.D.S. Conservative Dentistry & Endodontics : SUMMER - 2019
SUBJECT : CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER – III : ENDODONTICS

Day : Thursday
Date : 06/06/2019

S-2019-4070

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Critically discuss single visit endodontics. (20)
- Q.2 Management of endodontic failures. (20)

Short Essay Questions:

- Q.3 Resin based sealers. (07)
- Q.4 Flap designs in endodontic surgery. (07)
- Q.5 Diagnosis and management of internal and external resorption of teeth. (07)
- Q.6 Lasers in endodontics. (07)
- Q.7 Ultrasonic root end preparation. (07)

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M.D.S. Conservative Dentistry & Endodontics : SUMMER - 2019
SUBJECT : CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER – IV : ESSAY

Day : Saturday
Date : 08/06/2019

S-2019-4071

Time 09.00 AM TO 12.00 NOON
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Minimal intervention dentistry.

(75)

OR

Q.1 Endo-perio lesions and their management.

(75)

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080619-m-dental-pune

M.D.S. : SUMMER – 2019
SUBJECT : CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER – II : CONSERVATIVE DENTISTRY & AESTHETIC DENTISTRY

Day Monday
Date 03/06/2019

S-2019-4069

Time 09.00 AM TO 12.00 NOON
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Discuss the progress made in the development of adhesive systems. (20)
- Q.2 Discuss the importance of contact point and write in detail different materials and methods used for restoration of proximal contact. (20)

Short Essay Questions:

- Q.3 Pain control during operative procedures. (07)
- Q.4 Recent advances in rubber dam isolation. (07)
- Q.5 TMS pins (07)
- Q.6 Composite resin placement techniques. (07)
- Q.7 Casting porosities and prevention. (07)

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M.D.S. Part- I (2018 - COURSE)(Conservative Dentistry & Endodontics) : SUMMER- 2020
SUBJECT : APPLIED BASIC SCIENCES : APPLIED ANATOMY, PHYSIOLOGY,
PATHOLOGY INCLUDING ORAL MICROBIOLOGY, PHARMACOLOGY,
BIOSTATISTICS AND RESEARCH METHODOLOGY AND
APPLIED DENTAL MATERIALS

Day : Friday
Date : 11-9-2020

Time : 9-00 A.M. To 12:00 P.M.
Max. Marks : 100

S-2020-20247

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.

- Q. 1 Detail the course, relations, branches and applied anatomy of Trigeminal nerve. (10)
- Q. 2 Describe the composition and functions of saliva and its role in causation of caries. (10)
- Q. 3 Write in detail about mercury hygiene in dental operatory. (10)
- Q. 4 Recent developments in impression materials and techniques for extra oral fabrication of restorations. (10)
- Q. 5 Discuss cystic lesions of the oral cavity. (10)
- Q. 6 Age changes in Enamel, Dentin and Pulp. (10)
- Q. 7 Discuss pharmacokinetics and pharmacodynamics of antibiotics and their uses in endodontics. (10)
- Q. 8 Discuss the histopathology of caries of enamel and dentin. (10)
- Q. 9 Discuss features of research protocol for research in humans. (10)
- Q. 10 Briefly discuss theories of eruption of teeth. (10)

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M.D.S. : SUMMER - 2020
SUBJECT : CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER - I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY & DENTAL
MATERIALS

Day : Thursday
Date : 3-9-2020

S-2020-7386

Time : 9:00 A.M. To
Max. Marks : 75 12:00 P.M.

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Discuss in detail the maxillary branch of the trigeminal nerve. (20)
- Q.2 Recent advances in dental composite materials. (20)

Short Essay Questions:

- Q.3 Structure of dentin and its clinical significance. (07)
- Q.4 Evolution of Glass Ionomer Cement. (07)
- Q.5 Infection control. (07)
- Q.6 Metal free ceramics. (07)
- Q.7 Factors affecting wound healing. (07)

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M.D.S. : SUMMER - 2020
SUBJECT : CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER - II : CONSERVATIVE DENTISTRY & AESTHETIC DENTISTRY

Day : Saturday
Date : 5-9-2020

S-2020-7387

Time : 9:00 A.M. To 12:00 P.M.
Max. Marks : 75

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Discuss minimally invasive concepts in conservative dentistry. (20)
- Q.2 Describe histopathology of caries in enamel and dentin. (20)

Short Essay Questions:

- Q.3 Recent advances in vital bleaching procedures. (07)
- Q.4 Lasers in conservative dentistry. (07)
- Q.5 Management of gingival tissue for restorative procedures. (07)
- Q.6 Caries activity tests. (07)
- Q.7 Veneers in conservative dentistry. (07)

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M.D.S. : SUMMER - 2020
SUBJECT : CONSERVATIVE DENTISTRY & ENDODONTICS
PAPER - III : ENDODONTICS

Day : Monday
Date : 7-9-2020

S-2020-7388

Time : 9:00 A.M. To 12:00
Max. Marks : 75 P.M

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

Q.1 Write in detail about the iatrogenic causes of endodontic failures. (20)

Q.2 Describe recent advances in obturating systems. (20)

Short Essay Questions:

Q.3 Apex locators. (07)

Q.4 Explain the importance of digital radiography in endodontics. (07)

Q.5 Mechanism of action in different methods of tooth whitening. (07)

Q.6 Irrigating techniques in endodontics. (07)

Q.7 Justify the use of microscopes in endodontics. (07)

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M.D.S. PART – I (2018 COURSE)
(CONSERVATIVE DENTISTRY & ENDODONTICS) : SUMMER – 2021
SUBJECT : BASIC SCIENCES

Day Monday
Date 06-09-2021

Time 09:00 AM-12:00 PM
Max. Marks : 100

S-20247-2021

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

- | | | |
|------|--|------|
| Q.1 | Write in detail about composition and functions of saliva. | (10) |
| Q.2 | Describe calcium and phosphorus metabolism. | (10) |
| Q.3 | Discuss infection control in dental office. | (10) |
| Q.4 | Explain role of fluorides in prevention of dental caries | (10) |
| Q.5 | Explain theories of pain. | (10) |
| Q.6 | Discuss pharmacokinetics and pharmacodynamics in NSAID's and their indications in dentistry. | (10) |
| Q.7 | Discuss various study designs used to conduct the research. | (10) |
| Q.8 | Describe recent advances in composite Resin. | (10) |
| Q.9 | Discuss development and structure of Enamel. | (10) |
| Q.10 | Write in detail about healing of wound. | (10) |

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M.D.S. PART-II (2018 COURSE) (CONSERVATIVE DENTISTRY & ENDODONTICS) : SUMMER 2022
SUBJECT : PAPER – I

Day : Saturday

Time : 09:00 AM-12:00 PM

Date : 3/9/2022

S-20248-2022

Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

SECTION – I

Q.1 Discuss adhesion in restorative dentistry and recent advances in bonding agents. (25)

Q.2 Discuss forces acting on restorations. (25)

SECTION – II

Q.3 Histology of dentinal caries (10)

Q.4 Management of dentinal hypersensitivity (10)

Q.5 Bonded amalgam (10)

Q.6 Gingival tissue management (10)

Q.7 Mechanics of bur-cutting (10)

M.D.S. PART-II (2018 COURSE) (CONSERVATIVE DENTISTRY & ENDODONTICS) : SUMMER 2022
SUBJECT : PAPER – II

Day : Monday

Time : 09:00 AM-12:00 PM

Date : 5/9/2022

S-20249-2022

Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
-

SECTION – I

- Q.1 Discuss critically endodontic-periodontic inter-relationship. (25)
- Q.2 Discuss various techniques of chemo-mechanical preparation of root canal. (25)

SECTION – II

- Q.3 Posts in pulp-space (10)
- Q.4 Endodontic radiography (10)
- Q.5 Modifications in access-cavity design (10)
- Q.6 Flap designs (10)
- Q.7 Endodontic biofilm (10)

M.D.S. PART-II (2018 COURSE) (CONSERVATIVE DENTISTRY & ENDODONTICS) : SUMMER 2022
SUBJECT: PAPER – III - ESSAY

Day : Wednesday

Time : 09:00 AM-12:00 PM

Date : 7/9/2022

S-20250-2022

Max. Marks : 100

N.B.

- 1) Answer any **TWO**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Q.1 Discuss Composite Resin as replacement to Dental Amalgam, expressing your views. (50)

Q.2 Non-surgical endodontic retreatment. (50)

Q.3 Traumatic injuries. (50)

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE)

M.D.S. Part-I CONSERVATIVE DENTISTRY & ENDODONTICS : SUMMER : 2023
SUBJECT : BASIC SCIENCES

Day : Friday

Time : 09:30 AM-12:30 PM

Date : 15-12-2023

S-20247-2023

Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

- | | | |
|------|--|------|
| Q.1 | Describe muscles of mastication. | (10) |
| Q.2 | Write in detail about Histopathology of Dental Pulp. | (10) |
| Q.3 | Discuss in detail about the dietary factors in dental caries. | (10) |
| Q.4 | Write in detail about Microflora of infected root canal. | (10) |
| Q.5 | Discuss role of antibiotics in endodontics. | (10) |
| Q.6 | Describe various parametric and non-parametric tests used for statistical data analysis. | (10) |
| Q.7 | Write in detail about physiology of pain. | (10) |
| Q.8 | Recent advances of Glass Ionomer cements. | (10) |
| Q.9 | Describe Inferior Alveolar Nerve in detail. | (10) |
| Q.10 | Discuss Hydrodynamic changes in acute inflammation. | (10) |

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MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE)
M.D.S. Part-II CONSERVATIVE DENTISTRY & ENDODONTICS : SUMMER : 2023
SUBJECT : PAPER - I

Day : Monday

Time : 09:30 AM-12:30 PM

Date : 21-08-2023

S-20248-2023

Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

SECTION - I

- Q.1 Discuss contacts, contours and methods to develop them in restorations. (25)
- Q.2 Discuss non-carious lesions and their management. (25)

SECTION - II

- Q.3 Self-etching primers (10)
- Q.4 Remineralization of caries. (10)
- Q.5 Gingival tissue management (10)
- Q.6 Circumferential tie (10)
- Q.7 Nano-composites (10)

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE)
M.D.S. Part-II CONSERVATIVE DENTISTRY & ENDODONTICS : SUMMER : 2023
SUBJECT : PAPER - II

Day : Wednesday

Date : 23-08-2023

S-20249-2023

Time : 09:30 AM-12:30 PM

Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

SECTION - I

- Q.1 Discuss methods of obturating radicular space. (25)
- Q.2 Discuss endodontic emergencies and their management. (25)

SECTION - II

- Q.3 Newer irrigation techniques (10)
- Q.4 An avulsed tooth (10)
- Q.5 Kronfeld's mountain pass theory (10)
- Q.6 Ultrasonics in Endodontics (10)
- Q.7 Modifications in access-cavity design (10)

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE)
M.D.S. Part-II CONSERVATIVE DENTISTRY & ENDODONTICS : SUMMER : 2023
SUBJECT : PAPER - III

Day : Friday

Time : 09:30 AM-12:30 PM

Date : 25-08-2023

S-20250-2023

Max. Marks : 100

N.B.

- 1) Answer any **TWO**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Q.1 Dental ceramic. (50)

Q.2 Surgical Endodontics. (50)

Q.3 Restoration of an endodontically treated tooth. (50)

250823-m-dch-pune

MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE)
M.D.S. Part-II Conservative Dentistry & Endodontics : SUMMER : 2024
SUBJECT: PAPER - I

Day : Tuesday
Date : 26/11/2024

S-20248-2024

Time : 09:30 AM-12:30 PM
Max. Marks : 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREEVER** necessary.
- 4) Answers to both the section should be written in **SAME** answer book.

SECTION - I

- Q.1 Discuss minimally invasive concepts in conservative dentistry. [25]
- Q.2 What are causes of discoloration of vital teeth? Write in detail management of discolored vital teeth. [25]

SECTION - II

- Q.3 Caries activity tests [10]
- Q.4 Mechanics of cutting with dental bur [10]
- Q.5 Briefly discuss etiology, incidence and management of abfraction lesion. [10]
- Q.6 Matrices in restorative dentistry. [10]
- Q.7 Veneers in conservative dentistry. [10]

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MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE)
M.D.S. Part-II Conservative Dentistry & Endodontics : SUMMER : 2024
SUBJECT: PAPER - II

Day : Thursday
Date : 28/11/2024

S-20249-2024

Time : 09:30 AM-12:30 PM
Max. Marks : 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREEVER** necessary.
- 4) Answers to both the section should be written in **SAME** answer book.

SECTION - I

Q.1 Discuss recent advances in endodontic instruments for biomechanical preparation. [25]

Q.2 Write in detail about causes and management of endodontic failures. [25]

SECTION - II

Q.3 Justify use of microscope in endodontics. [10]

Q.4 Irrigation techniques in endodontics. [10]

Q.5 Lasers in endodontics. [10]

Q.6 Explain importance of digital radiography in endodontics. [10]

Q.7 Recent advances in apex locators. [10]

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MASTER OF DENTAL SURGERY (M.D.S.) (2018 COURSE)
M.D.S. Part-II Conservative Dentistry & Endodontics : SUMMER : 2024
SUBJECT: PAPER - III

Day : Saturday
Date : 30/11/2024

S-20250-2024

Time : 09:30 AM-12:30 PM
Max. Marks : 100

N.B.:

- 1) Answer **ANY TWO**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREEVER** necessary.

Write an essay on **ANY TWO** of the following:

- 1) Historical review and recent developments in composite resins. [50]
- 2) Surgical endodontics. [50]
- 3) Application of lasers in dentistry. [50]

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