

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.
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- 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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