

MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND BDS DEGREE EXAMINATION – AUGUST 2018
SUBJECT: DENTAL MATERIALS (ESSAY)

Monday, August 06, 2018

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL the questions:**

1. Define abrasion and polishing. Sketch a bur head design and label the parts. Write about tungsten carbide bur.

(2+5+3 = 10 marks)

2. Write about sprue materials and its attachments to the pattern. Briefly explain different types of solidification shrinkage porosities in gold alloy casting.

(4+6 = 10 marks)

3. **Write short note on:**

3A. Modulus of elasticity

3B. Fluxes used in soldering

3C. Cold mold seal

3D. Dental stone

3E. Double mix impression techniques in elastomers

3F. Mat gold

3G. Gypsum bonded investment material

3H. Comparison of chemical and light cured composite

3I. CAD-CAM ceramics

3J. Unmodified zinc oxide eugenol cement

(4 marks × 10 = 40 marks)

