

1. What is the definition of “*anchorage*” in orthodontics? (10%)
2. Please describe the ways of anchorage control for maxillary anterior teeth retraction in the treatment of Class II malocclusion. (20%)
3. Please explain what is meant by the term “*temporary skeletal anchorage*” and describe the potential applications for temporary anchorage in orthodontic treatment. (30%)
4. Please describe the dentofacial characteristics of the patients suitable for treatment with “**Twin Block appliance**” developed by Dr. William Clark. (15%)
5. A 25- year-old female patient presented a long-face syndrome with gummy smile, skeletal Class II with mandibular retrusion and high mandibular plane angle and dental Class II malocclusion with anterior openbite. She concerned with her malocclusion and facial esthetics.
 - (1) Please propose the treatment options for her. (15%)
 - (2) What is the treatment goal of each stage during orthodontic treatment? (10%)