

جدول مواصفات / امتحان البورد الفلسطيني - الجزء الثاني

Table of specifications, part II exam.

اختصاص تقويم الأسنان والفكين



#	Body of knowledge (topics)	Weighted Percentage (%)	# Of Questions (± 20 %)
1	Occlusion & classification of malocclusion	3	3
2	Growth & development of Oro-facial region	3	3
3	Craniofacial anomalies	3	3
4	Dental anomalies & its relationships with orthodontics	8	8
5	Diagnostic aids in orthodontics	5	5
6	Orthodontic materials	8	8
7	Orthodontic treatment: <i>Interceptive &amp; preventive orthodontics;</i> <i>Removable appliances;</i> <i>Orthopedic treatment &amp; growth modification</i>	9	9
8	Fixed orthodontic appliances	10	10
9	Extraction vs. non-extraction approaches	3	3
10	Management of transverse problems	4	4
11	Management of vertical problems	5	5
12	Management of A-P problems	4	4
13	Anchorage & temporary anchorage devices	5	5
14	Adult orthodontics	5	5
15	Orthognathic surgery	5	5
16	Miscellaneous: <i>Root resorption; Accelerated orthodontic tooth movement; Obstructive sleep apnea; Allergy; Clear aligners; (TMD); White spot lesions; Biomechanics; Smile analysis; Retention &amp; relapse; Trauma &amp; orthodontics; Management of medically compromised patients.</i>	20	20
<b>Total</b>			<b>100</b>

**Suggested readings:**

1. Proffit, William R., Henry W. Fields, and David M. Sarver. *Contemporary Orthodontics*. St. Louis, Mo: Mosby Elsevier, 2018. **(Textbook)**
2. Bishara, S.E. (2001) *Textbook of Orthodontics*. 7th Edition. **(Textbook)**
3. **R.Nanda. *Esthetics and Biomechanics in Orthodontics*, 2nd Edition. (Textbook)**
4. **Last two years articles from: AJODO journal ,Angle orthodontist journal and European journal of orthodontics.**
5. Wilmes B, Tarraf N, Drescher D: Treatment of maxillary transversal deficiency by using a mini-implant-borne rapid maxillary expander and aligners in combination. *American Journal of Orthodontics and Dentofacial Orthopedics* 160(1):147-154, July 2021
6. Becker A and Chaushu S: Etiology of maxillary canine impaction: a review. *American Journal of Orthodontics and Dentofacial Orthopedics* 148(4):557–567, October 2015.
7. Bishara SE, Hoppens BJ, Jakobsen JR, et al: Changes in the molar relationship between the deciduous and permanent dentitions: a longitudinal study. *American Journal of Orthodontics and Dentofacial Orthopedics* 93(1):19-28, January 1988.
8. Bishara SE, Khadivi P, Jakobsen JR: Changes in tooth size-arch length relationship from the deciduous to the permanent dentition: a longitudinal study. *American Journal of Orthodontics and Dentofacial Orthopedics* 108(6):607-613, December 1995.

9. Björk A and Skieller V: Facial development and tooth eruption: an implant study at the age of puberty. *American Journal of Orthodontics and Dentofacial Orthopedics*
10. Chae JM, Park JH, Kojima Y, et al: Biomechanical analysis for total distalization of the mandibular dentition: a finite element study. *American Journal of Orthodontics and Dentofacial Orthopedics* 155(3):388-397, March 2019.
11. Chen Y, Kyung HM, Zhao WT, et al: Critical factors for the success of orthodontic mini-implants: a systematic review. *American Journal of Orthodontics and Dentofacial Orthopedics* 135(3):284-291, March 2009.
12. De Praeter J, Dermaut L, Martens G, et al: Long-term stability of the leveling of the curve of Spee. *American Journal of Orthodontics and Dentofacial Orthopedics* 121(3):266-272, March 2002.
13. Ghoneima A, Abdel-Fattah E, Hartsfield J, et al: Effects of rapid maxillary expansion on the cranial and circummaxillary sutures. *American Journal of Orthodontics and Dentofacial Orthopedics* 140(4):510-519, October 2011.
14. Katzberg RW, Westesson PL, Tallents RH, et al: Orthodontics and temporomandibular joint internal derangement. *American Journal of Orthodontics and Dentofacial Orthopedics* 109(5):515- 520, May 1996.
15. Khosravi R, Cohanim B, Hujoel P, et al: Management of overbite with the Invisalign appliance. *American Journal of Orthodontics and Dentofacial Orthopedics* 151(4):691-699.e2, April 2017.
16. Kokich VG and Kokich VO: Congenitally missing mandibular second premolars: clinical options. *American Journal of Orthodontics and Dentofacial Orthopedics* 130(4):437-444, October 2006.

17. Molen AD: Considerations in the use of cone-beam computed tomography for buccal bone measurements. *American Journal of Orthodontics and Dentofacial Orthopedics* 137(4 Suppl): S130-135, April 2010.
18. Okeson JP: Evolution of occlusion and temporomandibular disorder in orthodontics: past, present, and future. *American Journal of Orthodontics and Dentofacial Orthopedics* 147(5 Suppl): S216-S223, May 2015.
19. Roscoe MG, Meira JBC, Cattaneo PM: Association of orthodontic force system and root resorption: a systematic review. *American Journal of Orthodontics and Dentofacial Orthopedics* 147(5):610-626, May 2015.
20. Scheffler NR, Proffit WR, Phillips C: Outcomes and stability in patients with anterior open bite and long anterior face height treated with temporary anchorage devices and a maxillary intrusion splint. *American Journal of Orthodontics and Dentofacial Orthopedics* 146(5):594– 602, November 2014.
21. Stephens CK, Boley JC, Behrents RG, et al: Long-term profile changes in extraction and nonextraction patients. *American Journal of Orthodontics and Dentofacial Orthopedics* 128(4):450-457, October 2005.
22. Tulloch JFC, Proffit WR, Phillips C: Influences on the outcome of early treatment for Class II malocclusion. *American Journal of Orthodontics and Dentofacial Orthopedics* 111(5):533-542, May 1997.
23. Tulloch JFC, Proffit WR, Phillips C: Outcomes in a 2-phase randomized clinical trial of early class II treatment. *American Journal of Orthodontics and Dentofacial Orthopedics* 125(6):657- 667, June 2004.
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25. Park JH, Kim JH, Kai A, et al: Post-COVID-19 Clinical and Management Guidelines for Orthodontic . Practices, Journal of Clinical Orthodontics 54(6): 351-355, June 2020
26. Becker A, Ioannis Zogakis I, Ionut Luchian I, et al: Surgical exposure of impacted canines: Open or closed surgery? Seminars in Orthodontics 22(1):27–33, March 2016.
27. Areepong D, Kim KB, Oliver DR, et al: The Class II Carriere Motion appliance: a 3D CBCT evaluation of the effects on the dentition. The Angle Orthodontist 90(4):491-499, July 2020
28. McNamara JA and Franchi L: The cervical vertebral maturation method: a user's guide. The Angle Orthodontist 88(2):133-143, 2018.
29. Rossini G, Parrini S, Castroflorio T, et al: Efficacy of clear aligners in controlling orthodontic tooth movement: a systemic review. The Angle Orthodontist 85(5):881-889, September 2015.
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32. Cacciatore G, Ghislanzoni LTH, Alvetto L, et al: Treatment and posttreatment effects induced by the Forsus appliance: a controlled clinical study. The Angle Orthodontist 84(6):1010-1017, November 2014.