

- 1. A child 6 years old having thumb sucking problem, brought by his parents to you, and it already caused dental problem to that patient. What you will do?
  - a. Nothing to do, because its normal
  - c. Advise the patient

- b. Psychological treatment.
- d. Early habit breaking appliance.
- 2. After patient came to your clinic and gave you the symptoms and history and complaints, what's your next ideal step in treatment process?
  - a. Clinical examination.
- b. Start endo.
- c. Restore the teeth.
- d. Take X-ray

- 3. Flush terminal plane will most likely result in:
  - a. Class I occlusion.
- b. Class II occlusion. c. Class III occlusion.
- d. Any of the above.
- 4. A 6 years old child came to your clinic with grossly decayed 74 and 84. You have extracted 74 and 84, and the first permanent molar was erupted. Which is the best space maintainer in this case?
  - a. Lingual arch
  - c. Bilateral distal shoe.

- b. Bilateral band and loop.
- d. No need for space maintainer.
- 5. A patient came to your clinic after the fall down from his bike. Clinical examination shows patient's tooth has crown fracture under the gingival level, and we want to use the tooth. What is the treatment?
  - a. Amalgam post core under the gingival.
  - c. Restoration under the gingival.
- b. Extrusion orthodontic.
  - d. Extraction of the tooth.
- 6. Which of the following conditions need prophylactic antibiotic coverage?
  - a. Local anesthesia

b. Suture removal.

c. Routine tooth brushing.

- d. Orthodontic band.
- 7. After heavy force application, pain is normally felt after:
  - a. 3 to 5 seconds.
- b. 30 to 40 seconds. c. 1 to 2 minutes.
- d. 4 to 5 minutes.
- 8. More than 90% of the growth of the brain or cranial vault is achieved by:
  - a. 12 years of life.
- b. 5 years of life.
- c. 18 years of life.
- d. 21 years of life.
- 9. Some bones are formed by endochondral ossification like long bone, flat bone by intramembranous ossification and some bone by endochondral and intramembranous ossification
  - a. True

- b. False
- 10. Which are the following appliances used for immobilization of fragments of broken parts of jaw bones in their original position until repair takes place?
  - a. Splints.
- b. Stents.
- c. Obturators.
- d. Speech aids.

1.	Hardness of the materials is influenced by all of the following, except:					
	a. Strength.	b. Proportional limi	t. c. Ductility.	d. None of the above.		
12	2. Sphenooccipital sof face:					
	<ul><li>a. Forward and upward direction.</li><li>c. Forward and downward direction.</li></ul>			<ul><li>b. Forward and lateral direction.</li><li>d. Only forward direction.</li></ul>		
13	3. Ugly duckling sto	age:				
	a. 6-9 years old	b. 9-11 years old.	c. 13-15 years old.	d. 7-9 years old.		
14	4. Pacifier habit wh	at you see in his mouth?				
	a. Open bite.	b. Cross bite	c. Deep bite	d. Scissor bite		
15	. Prognosis with fi	unctional therapy is favorable				
	c. Deep bite due t	a. Pseudo deep bite. b. Deep bite due to infraocclusion of molars.		b. Deep bite due to over eruption of incisors. d. All of the above.		
16	. A patient with mi	ssing lower right 1st molar for	r long time. You will find	<b>:</b>		
	c. Over eruption of	of lower right 2nd molar of lower right 2nd molar	b. Intrusion of upper right 1st molar			
17.	. Over erupted upp	Over erupted upper right 1st molar will be managed by all except:				
	a. Intruded easily c. Adjustment of o	orthodontically occlusion	b. Crowning d. All the above			
18.	52 52 in all of					
	a Dolton space	h Freeway space.	c. Leeway space.	d. Primate space.		
19. Orthognathic ridge relationship (class II) present several problems which should be to when constructing a complete denture prosthesis. These include all except:				should be taken into consideration ept:		
	b. Have a great rar c. Require careful	m interocclusal distance  nge of jaw movement  occlusion, usually cuspless tee		a affact?		
20.	Fractured tooth to	Fractured tooth to alveolar crest. What's the best way to produce ferrule effect?				
	<ul><li>a. Restore with am</li><li>c. Extrusion with o</li></ul>	algam core sub-gingivaly. rthodontics	b. Crown lengthening d. All the above	<u>;</u>		
21.	What is ferrule eff	Vhat is ferrule effect?				
	a. Restore with amalgam core sub-gingivaly.		b. Crown lengthening d. None of the above			
22.	A patient has a cer	c. Extrusion with orthodontics  A patient has a central incisor with severe resorption and who's going through an ortho treatment the going to make him extract the premolars. Which of the following won't be present in the treatment played by the him extract the premolars.				
		b Implant of incisors	c. Maryland bridge	d. Implant of the premotars.		
• -	a. RPD	ed in the arch length of a chi	ild between 3 to 18 year	s is:		
	The change observa. 4 mm	b. 11 mm	c. 17 mm	d. 34 mm		

			Topicwis	e ducations //		
24.	Which of the following is the use of occlusal splint device?					
	<ul><li>a. Alter muscle of mastication.</li><li>c. Used during increase vertical dimension</li></ul>			b. Occlusal plane CR/CO d. All		
25.		The wire that is most suitable for making final tooth movements:				
	a. Nitinol	b. Stainless stee		c. Gold	d. Beta titanium	
<i>26</i> .	Typically rapid palat	al expansion is do	ne with a .	Jackscrew that is activ	vated at the rate of:	
	a. 1 to 2 mm / week. c. 0.5 to 1 mm / wee	k.		b. 1 to 2 mm / day. d. 0.5 to 1 mm / day	· .	
<i>27</i> .	In which of the follo	In which of the following, the center of mandible and facial midline coincide in rest position?				
	<ul><li>a. Laterognathy.</li><li>c. Laterocclusion.</li></ul>			<ul><li>b. True cross bite.</li><li>d. None of the above</li></ul>	e.	
28.	Jasper jumper is a:					
•	<ul><li>a. Flexible fixed functional appliance.</li><li>c. Fixed functional appliance.</li></ul>			b. Rigid fixed functional appliance d. None of the above.		
29.	In order to produce tooth movement, the duration threshold (minimum time) for the wear of removable orthodontic appliance is:					
	a. 1-2 hrs per day.	b. 2-4 hrs p	er day.	c. 4-6 hrs per day.	d. 7-8 hrs per day	
30.	First organ to be for	First organ to be formed during development of face is:				
	a. Nose	b. Eye		c. Ear	d. Mandible	
31.	Couple of force is:					
	<ul><li>a. Two equal perpend</li><li>b. Two equal parallel</li><li>c. Two non equal per</li><li>d. Two equal parallel</li></ul>	forces acting in sa pendicular forces a	cting in or	posite direction		
<i>32</i> .	Leeway space in maxilla and mandible is:					
	<ul><li>a. 0.9 and 1.7 mm respectively.</li><li>c. 0.9 and 1.7 cm respectively.</li></ul>			b. 1.7 and 0.9 mm respectively. d. 1.7 and 0.9 cm respectively.		
<i>33</i> .	The most prevalent primary molar relationship					
	<ul><li>a. Flush terminal plan</li><li>c. Distal step termina</li></ul>	ie. I plane		b. Mesial step termind. All the above	nal plane	
34.	Precision is indicated	<b>':</b>				
	a. After correction of c. After correction of	midline diastema. crossbite.		b. After correction of d. Before correction	of rotation. of midline diastema.	
<i>35</i> .	Wires also called shap	pe memory wires a	re:			
	<ul><li>a. Stainless steel roun</li><li>c. Nickel titanium wir</li></ul>			iflex round wires. less steel edgewise wi	ire.	
6.	Nikel titanium wire fractured due which of the following property?					
	a. Rigidity	b. Toughnes			. Axial fatigue	

37	. A mandibular "primo	ite" space is usually	y found in the primary denti	tion between:
	<ul><li>a. Central incisors</li><li>c. Lateral incisors and</li></ul>		b. Central and lateral inciso d. Canine and first molar	
38	. A single force applied	d at which point of a	a tooth will allow complete t	ranslation of the tooth:
	<ul><li>a. At the apex.</li><li>c. At the center of res</li></ul>		<ul><li>b. At the incisal edge.</li><li>d. At the center of rotation.</li></ul>	
39.	What is the type of st	erizliation applied o	on ligation/fixation wires?	
	a. Boiling	b. Autoclave.	c. Hot air oven	d. Chemiclave
40.	The principal fiber w	hich prevents the c	xtrusion of the tooth and lat	eral tooth movement:
	<ul><li>a. Horizontal fiber.</li><li>c. Transseptal fiber.</li></ul>		<ul><li>b. Alveolar crest groove.</li><li>d. Apical group.</li></ul>	
41.	The appropriate forc	e level for tipping a	single rooted tooth lies bety	veen:
	a. 10 and 12 gm c. 60 and 80 gm		b. 20 and 50 gm d. 90 and 110 gm	
42.	The labial bow in an	activator is constru	acted with a:	
	a. 0.6 mm.	b. 0.5 mm. c. 0	0.7 mm. d. 0.8 mm an	nd slightly heavier.
43.	Space loss occurs in:			
	a. Proximal caries	b. Early extraction	c. Ankylosis d. A	All of the above
44.	Main etiology of class	s III malocclusions	is:	
	a. Hereditary c. Delayed eruption o		b. Abnormal muscle forces d. Abnormal frenal attachn	
45.	The long axis of the	naxillary first mola	r is inclined to:	·
	a. Buccal.	b. Mesial.	c. Distal.	d. Lingual.
46.	Why do you do arch l	ength anylysis in n	nixed dentition?	
	a. To know there is en b. To know there is en	ough space for erup ough space for erup	otion of premolar,	rs, lars.
17.	Y-axis is used to analy	vze:		
	<ul><li>a. Maxillary growth.</li><li>c. Both 1 and 2.</li></ul>		<ul><li>b. Mandibular growth.</li><li>d. To design appliance.</li></ul>	
8.	In classical Begg med	hanotherapy, bite	opening is primarily effecte	ed in:
	a. Stage I.	b. Stage II.	c. Stage III.	d. Stage IV.
9.	Effect of pacifier and	digit sucking		
	a. Anterior open bite fl	aring maxillary inc	isors sors maxilla, and retruded mand	lible

	Orthodontics the buccal canine retractor is	an example for intra ord	al intra arch anchorage:	
50.	Orthodontics the buccal canine retractor is	an example for any		
	a. True b. False			
<i>51</i> .	Primary dentist can treat except:	b. Multiple complex n	nalocclusion	
	<ul><li>a. Minor tooth movement</li><li>c. Removable appliance</li></ul>	d. Don't remember		
52.	Pacifier habit will cause:	b. Class III malocclusi	ion	
	<ul><li>a. Crowding of tooth</li><li>c. Anterior open bite with posterior cross bite</li></ul>	d. Skeletal malocclusion	on	
53.	Which disease shows a strong familial tende	ncy?		
	a. Proclined maxillary incisors	<ul><li>b. Deep bite</li><li>d. Cross-bite of incisor</li></ul>	rs.	
	c. Open bite	d. Closs-one of moise.	onsible for the breakage of the NiTi	
54.	c. Open bite  Broken NiTi file during BMP irt 25 which files?			
	a. Rigidity & memory	b. Superflexiblity& me	emory	
	10	d. Torsion	with composite because of:	
<i>55.</i>	c. Antifatique  The direct bonded orthodontic stainless steel	brackets derive retentio	n win composite occurred	
	<ul> <li>a. The mechanical interlock with mesh at the bracket base.</li> <li>b. The chemical interlock of composite with bracket base.</li> <li>c. Both mechanical and chemical interlock of composite with the bracket base</li> <li>d. Biological interlock between the tooth surface and bracket.</li> </ul>			
56.	d. Biological interfock between the total and the state of the state o			
	<ul><li>a. First FPD then ortho treatment</li><li>c. First ortho then acrylic plate</li></ul>	b. Bridge with composed. None of the above	ite resin	
57.	Ni-Ti wire has which of the following specifi	c characters:		
37.	a. Flexibility b. High strength	c. Shape memory	d. All the above	
58.	The sequence of completion of facial growth	by planes of space is:	All the state of t	
	<ul><li>a. Depth, width, height</li><li>c. Width, depth, height.</li></ul>	<ul><li>b. Height, depth, width</li><li>d. Depth, height, width</li></ul>		
59.	Force required for headgear to restrain max	illary growth is:	- *,	
	<ul><li>a. 50 to 100 gm per side.</li><li>c. 250 to 500 gm per side.</li></ul>	b. 150 to 200 gm per si d. 750 to 1000 gm per s		
60.	The first bone formed in response to orthodo	ntic loading is:		
		amellar bone.	d. Woven bone.	
61.	Incisal liability in the upper jaw is:			
	a. 1.7 mm. b. 6 mm. c. 0	.9 mm.	d. 7.6 mm.	
<i>62</i> .	Transitional dentition is characterized by:			
	<ul> <li>a. Distoangular axial inclination of maxillary incisors.</li> <li>b. Distoangular axial inclination of mandibular incisors.</li> <li>c. Mandibular lateral incisors erupting lingual to central incisors.</li> <li>d. Maxillary lateral incisors erupting lingual to central incisors.</li> </ul>			

63.	R. Force transmitted from the teeth in one arch to the tee			opposing arch is	s termed as:
	a. Intramaxillary encourage.		b. Intramaxillary traction. d. Intermaxillary encourages.		
	c. Intermaxillary traction.			ary encourages.	
64.	Backward path of mandibular			o class III.	d. True class III.
		Class I.			d. The view
65.	Oral screens are used for all o	f the following			,
-	a. Tongue thrusting. p biting.		<ul><li>b. Mouth breathing.</li><li>d. Retraction of upper protruded teeth.</li></ul>		
66.	The ratio of skeletal: dental ex	xpansion obtain	ed finally afte		
		3:1.	c. 2:1.		1:1.
<i>67</i> .	When the orthodontist remove What he should do:	s orthodontic br	ackets he noti	ced white decalci	fied lesion around the bracket
	<ul><li>a. Microabration and application</li><li>b. Composite resin.</li><li>c. Leave and observe</li><li>d. None of the above</li></ul>	n fluoride app	olication.		
68.	Growth spurts will be measured in the case when hand wrist radiographs are not available.				
	<ul><li>a. Lateral cephalogram</li><li>c. OPG</li></ul>		b. Poste d. IOPA	rior anterior view	,
69.	Antibiotic prophylaxis to mini	imize risk of bac	cterial endoca	irditis is needed	during:
	<ul><li>a. Placement of orthodontic ba</li><li>b. Use of retraction cords during</li><li>c. Local anesthetic injections (and post operative suture remove</li></ul>	ng prosthodontion non intraligamen			
70.	In maxillary arch, the primate	e space are four	ıd:		
-	<ul><li>a. Distal to deciduous canine.</li><li>c. Mesial to maxillary deciduo</li></ul>	us lateral incisor		l to maxillary lat Distal to deciduo	
71.	Fishman's index is used in relation with;				
	<ul><li>a. Population.</li><li>c. Cephalograms.</li></ul>			l wrist radiograpl dontal diseases.	hs.
72.	Space closure is least likely to occur following early loss of a:				
	<ul><li>a. Primary maxillary first molar.</li><li>c. Primary maxillary central incisors.</li></ul>		<ul><li>b. Primary maxillary second molar.</li><li>d. Permanent maxillary central incisor.</li></ul>		
<i>73</i> .	pace lose occur in:				
	a. Proximal caries.	b. Early extra	action.	c. Ankylosis.	d. All of the above.
74.	4. Primate spaces are related to the position of diastemas, which are present:				<b>:</b> :
10	a. Distal to deciduous maxillary canine b. Mesial to deciduous maxillary canine and distal to deciduous mandibular canine c. Mesial to deciduous maxillary canine d. Mesial to deciduous mandibular canine				

<i>75</i> .	'Torque' in orthodontics indicates:					
			b. The change in labiolingual (axial) inclination of teeth. d. All of the above			
76.	Which of the following	forces best accomplish or	thodontic tooth movement?			
	a. Heavy and continuous c. Light and continuous	s.	<ul><li>b. Heavy and intermittent</li><li>d. Light and intermittent</li></ul>	b. Heavy and intermittent		
77.	Space closure is least li	Space closure is least likely to occur following early loss of a:				
	<ul><li>a. Primary maxillary firs</li><li>c. Primary maxillary cer</li></ul>		b. Primary maxillary second molar d. Permanent maxillary central incisor			
<i>78</i> .	The average distance in	n each side in the lower ar	ch for Leeway space:			
	a. 0.8 in maxilla	b. 1.6 in maxilla	c. 2.5 in maxilla	d. 4.5 in maxilla		
79.	Force applied by remov	vable appliance:				
,	a. Tapping	b. Compress	c. Pull	d. push		
80.	Space between upper 2	and 3:				
	a. Primate space	b. Leeway space				
<i>81</i> .	Teeth which are respon	sible for crowding teeth:		•		
	a. Primary lower first m		b. Primary lower second molar d. Primary max second molar			
82.	After doing ortho for re	otated tooth we should do:				
	a. Circumferencial frenctomy c. Frenectomy		b. Circumferencial fibrotomy			
83.	83. What is the case the general dentist can treat?					
a. Exfoliation of primary canine b. Functional cross bite						
84.	1. Pt has cross bite when he moves his mandible laterally. Why?					
	<ul><li>a. Unilateral constriction of maxillary</li><li>c. Asymmetrical growth of mandible</li></ul>		b. Unilateral constriction of mandible d. Bilateral constriction of maxilla			
85.	5. What is the most important teeth to prevent the severity of crowding?					
	a. Upper E c. Lower d		b. Upper D lower E			
86.	How can you increase f	Hexibility of the clasp?				
	a. Increase length	b. Increase diameter	c. Make it gingival approa	ch		
<i>87</i> .	At which age parents should go to the orthodontist for consultation?					
	a. When all permanent to c. When there is spacing		b. When all anterior permanent erupt d. When there is crowding present			
88.	Which is more importan	nt for Aker's clasp?				
	a. Caries resistance mou	th	b. Tooth mobility			
89. Rapid expansion:						
	a. Once daily	b. Twice daily	c. Once weekly	d. Twice weekly		

90.	Habit causes malocclusion. Which is effective?			
	a. Duration	b. Magnitude	c. Force	
91.	How to preserve facebon	:		
	a. Self grinding of teeth c. Use of occlusal bite wa	x	b. Simple hinge articulate	
92.	Most suitable to describe	d NiTi;		
	a. Rigidity	b. Low coefficient of	c. Friction	
93.	In Miller classification if a tooth is moving 1 mm or more in all directions, it is:			
	a. Miller class 1	b. Miller class 2	c. Miller class 3	
94.	. A female patient complaining of spaces in her upper anterior teeth. After examination there is a dee overbite and moderate overjet. What's the proper management youwill do?			
	<ul><li>a. Close the space</li><li>c. Retract the anterior tee</li></ul>	th	<ul><li>b. Decrease the deep bite.</li><li>d. Reduce the overjet.</li></ul>	
95.	5. A patient with periodontal problem and want to do orthodontics. What is the type of force effective?			
	a. Light	b. Tipping	c. Intermittent	
96.	. A 25 years old female patient with 6 mm overjet. How to treat?			
	a. Bionator	b. Reverse headgear	c. Extraction of premolar	
97.	7. Mandible shifted to one side die functional interference leading to posterior cross bite on opposite side.  Treatment will be?			
	a. Unilateral expansion of c. Bilateral expansion of		b. Unilateral expansion of maxilla on unaffected side d. Mandibular expansion	
98.	8. A patient with amelogensis imperfect, wants to do ortho treatment:			
	a. Invisalign system c. Lingual orthodontics		b. Traditional ortho braces d. Ceramic braces	
99.	A patient had bone disease. He is doing ortho treatment. The teeth is not move with ortho treatment because patient taking medication what is the medication			
-	a. Vitamin D	o. Misoprestor	c. calcitonin	
100.	Halterman appliance is	for:		
	a. Oral habit	o. Cross bite	c. For correct improper eruption molar	

### **EXPLANATION**

- 1. Answer: d
- 2. Answer: a
- 3. Answer: a

Reference: Damles' Textbook of Pediatric Dentistry, page 119

4. Answer: b

Reference: Damles' Textbook of Pediatric Dentistry

5. Answer: b

Extrusion orthodontic is called ferrule effect. It will help in crown lengthening of the tooth for prosthodontic management

6. Answer: d

Reference: Burket's Oral Medicine, 10th ed, page 381

7. Answer: a

Reference: Bhalaji Orthodontics: The Art and Science

8. Answer: b

Reference: Bhalaji Orthodontics: The Art and Science, page 10

9. Answer: a

Reference: Proffit's Contemporary Orthodontics

10. Answer: a

Reference: Peterson's principles of oral and maxillofacial surgery

11. Answer: d

Reference: Skinner's Science of Dental Materials, 10th ed, page 69

12. Answer: d

Reference: Bhalaji Orthodontics: The Art and Science, page 30, 31

13. Answer: b

Reference: Bhalaji Orthodontics: The Art and Science, page 48

14. Answer: a

Reference: Dentistry for Child and Adolescent

Children who were pacifier users were significantly more likely to show open bite, posterior crossbite increased overjet, and alteration in cheek mobility than habit-free children action during sucking, which leads to gingival injury recession, and loss of alveolar bone.

15. Answer: c

Reference: Gurkeerat Singh's Textbook of Orthodontics, page 70

16. Answer: a

17. Answer: a

18. Answer: d

Reference: Bhalaji Orthodontics: The Art and Science, page 41

- 19. Answer: a
- 20. Answer: c

Extrusion with orthodontics: Using brackets (may cause movement of other abutment teeth) or utilizing an anchorage wire bonded to adjacent teeth restore with amalgam core sub-gingivaly will violate biological width crown lengthening will provide unesthetic results

-

21. Answer: c

Reference: Dental Secrets, Stephen T. Sonis, page 269

http://www.dental-update.co.uk/articles/35/3504222.pdf

"If the fracture is subgingival, remove the coronal segment and perform appropriate pulp therapy. Then reposition the remaining tooth structure coronally either orthodontically or surgically"

Both crown lengthening and orthodontic extrusion may allow for an increased ferrule, but they add additional cost, discomfort and length of treatment times for the patient. Crown lengthening increases the crown to root ratio.

- 22. Answer: d
- 23. Answer: a

Reference: Bishara's Textbook of Orthodontics, page 62

- 24. Answer: c
- 25. Answer: d

Reference: Proffit's Contemporary Orthodontics, page 331

26. Answer: d

Reference: Bhalaji Orthodontics: The Art and Science, page 25

27. Answer: c

Reference: Gurkeerat Singh's Textbook of Orthodontics, page 70

28. Answer: a

Reference: Bh@aji Orthodontics: The Art and Science, 3rd ed, page 361

29. Answer: c

Reference: Proffit's Contemporary Orthodontics, page 305

30. Answer: d

Reference: Bishara's Textbook of Orthodontics

31. Answer: d

Reference: Proffit's Contemporary Orthodontics, page 340

32. Answer: a

Reference: Bhalaji Orthodontics: The Art and Science, page 48

33. Answer: a

Reference: Damles' Textbook of Pediatric Dentistry, page 119

34. Answer: b

Reference: Bhalaji Orthodontics: The Art and Science, page 454

35. Answer: c

Reference: Proffit's Contemporary Orthodontics, page 329

36. Answer: d

Reference: Proffit's Contemporary Orthodontics, page 329

Ni-Ti fracture is due to dynamic and cyclic fatigue

37. Answer: d

Reference: Proffit's Contemporary Orthodontics, page 76-77

38. Answer: c

Reference: Proffit's Contemporary Orthodontics, page 340

39. Answer: b

40. Answer: b

Reference: Glickman, 10th ed, page 70

41. Answer: b

Reference: Proffit's Contemporary Orthodontics, page 304

42. Answer: d

Reference: Bhalaji Orthodontics: The Art and Science, page 341

43. Answer: d

44. Answer: a

Reference: Proffit's Contemporary Orthodontics, page 127

45. Answer: b

46. Answer: d

47. Answer: b

Reference: Gurkeerat Singh's Textbook of Orthodontics, page 102

48. Answer: a

Reference: Bhalaji Orthodontics: The Art and Science, 3rd ed, page 322

49. Answer: d

50. Answer: b

Reference: Bhalaji Orthodontics: The Art and Science, page 208

(It's an examble of active appliance, not for anchorage. Anchorage can be given by clasps, labial bows and base plate)

51. Answer: b

52. Answer: c

53. Answer: c

Reference: Proffit's Contemporary Orthodontics, page 127

54. Answer: d

Reference: Proffit's Contemporary Orthodontics, page 329

Cyclic fatique and torsional stress are the reasons for the NiTi files breakage.

55. Answer: a

Reference: Proffit's Contemporary Orthodontics, page 397

56. Answer: c

57. Answer: c

Reference: Proffit's Contemporary Orthodontics, page 329

58. Answer: c

Reference: Proffit's Contemporary Orthodontics, page 100

59. Answer: c

Reference: Bhalaji Orthodontics: The Art and Science, page 369

60. Answer: a

Reference: Bhalaji Orthodontics: The Art and Science, page 190

61. Answer: d

Reference: Bhalaji Orthodontics: The Art and Science, page 44

62. Answer: a

Reference: Bhalaji Orthodontics: The Art and Science, page 48.

63. Answer: d

Reference: Bhalaji Orthodontics: The Art and Science, page 207

64. Answer: a

Reference: Gurkeerat Singh's Textbook of Orthodontics, page 70

65. Answer: a

Reference: Bhalaji Orthodontics: The Art and Science, page 336

66. Answer: d

Reference: Bhalaji Orthodontics: The Art and Science

67. Answer: a

68. Answer: a

69. Answer: a

Reference: Burket's Oral Medicine, 10th ed, page 381

70. Answer: b

Reference: Bhalaji Orthodontics: The Art and Science, page 41

71. Answer: b

Reference: Bhalaji Orthodontics: The Art and Science, 3rd ed, page 168

72. Answer: c

Reference: National Board Dental Examination, April 1989

- 73. Answer: d
- 74. Answer: b

Reference: Proffit's Contemporary Orthodontics, page 76-77

75. Answer: b

Reference: Proffit's Contemporary Orthodontics, page 406

76. Answer: c

Reference: Proffit's Contemporary Orthodontics, page 301

- 77. Answer: c
- 78. Answer: b
- 79. Answer: a
- 80. Answer: a
- 81. Answer: b
- 82. Answer: a
- 83. Answer: a
- 84. Answer: d
- 85. Answer: b
- 86. Answer: a
- 87. Answer: d
- 88. Answer: a
- 89. Answer: b
- 90. Answer: a
- 91. Answer: b
- 92. Answer: c
- 93. Answer: c
- 94. Answer: c
- 95. Answer: a
- 96. Answer: c

Because 6 mm long space.

- 97. Answer: b
- 98. Answer: a
- 99. Answer: a
- 100. Answer: c

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