

**OPENDEN (IV) Entrance Test for
Dental Programmes 2012**

03319

- (a) PG Certificate in Endodontics
(b) PG Certificate in Oral Implantology

Total No. of Questions : 90

Time : 120 Minutes

- All questions are *Compulsory*.
- Use of calculator is *not* allowed. Rough work may be done in the space provided at the back of the Test Booklet.

Read the instructions given on the OMR Response Sheet carefully before you start.

How to fill up the information on the OMR Response Sheet
(Examination Answer Sheet)

1. Write your complete enrolment no. in 9 digits. This should correspond to the enrolment number indicated by you on the OMR Response Sheet. Also write your correct name, address with pin code in the space provided. Put your signatures on the OMR Response Sheet with date. Ensure that the Invigilator in your examination hall also puts his signatures with date on the OMR Response Sheet at the space provided.
2. On the OMR Response Sheet student's particulars are to be filled in by pen. However use HB pencil for writing the Enrolment No. and Examination Centre Code as well as for blackening the circle bearing the correct answer number against the serial number of the question.
3. Do not make any stray remarks on this sheet.
4. Write correct information in numerical digit in Enrolment No. and Examination Centre Code Columns. The corresponding circle should be dark enough and should be filled in completely.
5. Each question is followed by four probable answers which are numbered 1, 2, 3 and 4. You should select and show only one answer to each question considered by you as the most appropriate or the correct answer. Select the most appropriate answer. Then by using HB pencil, blacken the circle bearing the correct answer number against the serial number of the question. If you find that answer to any question is none of the four alternatives given under the question, you should darken the circle with '0'.
6. If you wish to change your answer, ERASE completely the already darkened circle by using a good quality eraser and then blacken the circle bearing your revised answer number. If incorrect answer is not erased completely, smudges will be left on the erased circle and the question will be read as having two answers and will be ignored for giving any credit.
7. No credit will be given if more than one answer is given for one question. Therefore, you should select the most appropriate answer.
8. You should not spend too much time on any one question. If you find any particular question difficult, leave it and go to the next. If you have time left after answering all the questions, you may go back to the unanswered ones. There is no negative marking for wrong answers.

GENERAL INSTRUCTIONS

1. No cell Phones, calculators, books, slide-rules, note-books or written notes, etc. will be allowed inside the examination hall.
2. You should follow the instructions given by the Centre Superintendent and by the Invigilator at the examination venue. If you violate the instructions, you will be disqualified.
3. Any candidate found copying or receiving or giving assistance in the examination will be disqualified.
4. The Test Booklet and the OMR Response Sheet (Answer Sheet) would be supplied to you by the Invigilators. **After the examination is over, you should hand over the OMR Response Sheet to the Invigilator before leaving the examination hall.** Any candidate who does not return the OMR Response Sheet will be disqualified and the University may take further action against him/her.
5. All rough work is to be done on the test booklet itself and not on any other paper. Scrap paper is not permitted. For arriving at an answer you may work in the margins, make some markings or underline in the test booklet itself.
6. The University reserves the right to cancel scores of any candidate who impersonates or uses/adopts other malpractices or uses any unfair means. The examination is conducted under uniform conditions. The University would also follow a procedure to verify the validity of scores of all examinees uniformly. If there is substantial indication that your performance is not genuine, the University may cancel your score.
7. In the event of your qualifying the Entrance Test, the hall ticket should be enclosed with your admission form while submitting it to the University for seeking admission in Dental programmes along with your testimonials and programme fee. Admission forms received without hall ticket in original will be summarily rejected.

1. Main motor nerve supply to the pharynx is :
 - (1) Vagus Nerve
 - (2) Accessory Nerve
 - (3) Glossopharyngeal Nerve
 - (4) Facial Nerve
2. Ophthalmic artery is a branch of :
 - (1) Maxillary artery
 - (2) Sphenopalatine artery
 - (3) ICA
 - (4) ECA
3. Thyroid gland develops from :
 - (1) Thyroglossal duct
 - (2) Rathke's pouch
 - (3) Notochordal process
 - (4) Embryonal disc
4. Parietal cells of gastric mucosa secrete :
 - (1) HCL
 - (2) Gastrin
 - (3) Mucin
 - (4) All of the above
5. Digestion of proteins is initiated by :
 - (1) Amylase
 - (2) Sucrase
 - (3) Chymotrypsin
 - (4) Pepsin
6. Palladium is added to polyvinyl siloxane to :
 - (1) act as a scavenger
 - (2) Surfactant
 - (3) Plasticizer
 - (4) Catalyst
7. Co-efficient of Thermal expansion of amalgam :
 - (1) 6.6 a (ppmk-1)
 - (2) 11.4 a (ppmk-1)
 - (3) 14.0 a (ppmk-1)
 - (4) 25.0 a (ppmk - 1)
8. Cohesion of goldfoil is an example of :
 - (1) Atomic attraction and welding
 - (2) Annealing
 - (3) wedging
 - (4) Adaptation

9. Dicor restoration is :
- (1) Tooth colored restorations \bar{C} varying colors
 - (2) Heat pressed ceramic
 - (3) Castable ceramic
 - (4) None of the above
10. Inlay wax commonly used for direct technique :
- (1) Type I
 - (2) Type II
 - (3) Type III
 - (4) Type IV
11. Blood agar is :
- (1) Simple Media
 - (2) Transport Media
 - (3) Enriched Media
 - (4) Differential Media
12. Borelia vincenti is a :
- (1) Mycoplasma
 - (2) Mycobacterium
 - (3) Spirochaete
 - (4) Chlamydia
13. Causative organism of Gas gangrene :
- (1) C. tetani
 - (2) C. Welchii
 - (3) E. Coli
 - (4) S. faecalis
14. Lepra cells seen in Leprosy are :
- (1) Lymphocytes
 - (2) Plasma cells
 - (3) Vacuolated Histocytes
 - (4) Neutrophils
15. Gnarled enamel is seen in :
- (1) Proximal surface
 - (2) Cervical region
 - (3) Cuspal tips
 - (4) All of the above

16. Butt joint in CEJ seen is _____ % of cases :
- | | |
|----------|----------|
| (1) 10 % | (2) 30 % |
| (3) 60 % | (4) 90 % |
17. Zero order Kinetics is seen with :
- | | |
|------------------|--------------------|
| (1) Phenytoin | (2) Phenobarbitone |
| (3) Erythromycin | (4) Digoxin |
18. Peutz - Jegher syndrome is characterized by :
- | | |
|--------------------------------|--------------------------------|
| (1) Deafness | (2) Multiple Supernumary teeth |
| (3) Multiple Intestinal polyps | (4) Scleroderma |
19. Tzanck Smear test is used in the diagnosis of :
- | | |
|--------------------|-------------------|
| (1) Pemphigus | (2) ANUG |
| (3) Aphthous ulcer | (4) Lichen planus |
20. Russell's bodies are found in :
- | | |
|---------------------------|------------------|
| (1) Activated macrophages | (2) Histiocytes |
| (3) Plasma cells | (4) Erythrocytes |
21. Mucocele are rarely seen in :
- | | |
|-------------------|------------------------|
| (1) Lower lip | (2) Upper lip |
| (3) Buccal Mucosa | (4) floor of the mouth |
22. Cyst \bar{C} out lining is :
- | | |
|-----------------------|----------------------|
| (1) Radicular cyst | (2) Dentigerous cyst |
| (3) Nasopalatine cyst | (4) Hemorrhagic cyst |
23. Perleche is caused by :
- | | |
|---------------------------------|---------------------------------|
| (1) Decreased Interdental space | (2) Increased Interdental space |
| (3) Lack of vit - C | (4) None of the above |

24. 80% of all salivary stones occur in :
- | | |
|----------------|-----------------------|
| (1) Parotid | (2) Submandibular |
| (3) Sublingual | (4) None of the above |
25. Herpes virus is a :
- | | |
|-----------------------|-------------------------|
| (1) DNA virus | (2) RNA virus |
| (3) RNA and DNA virus | (4) Partially RNA virus |
26. Transaminase is increased in :
- | | |
|---------------|--------------|
| (1) Hepatitis | (2) SABA |
| (3) MI | (4) Jaundice |
27. The best technique for treatment of gingival recession is :
- | | |
|------------------------------|--------------------------------|
| (1) Free Gingival Graft | (2) Connective Tissue Graft |
| (3) Coronally Displaced Flap | (4) Laterally Positioned Graft |
28. Most common cause of hypercalcemic crisis :
- | | |
|-------------------------|-----------------------------|
| (1) Parathyroid adenoma | (2) Parathyroid hyperplasia |
| (3) Carcinoma breast | (4) Paget's disease |
29. Commonest form of actinomycosis is :
- | | |
|----------------------|--------------|
| (1) Facio - Cervical | (2) Thoracic |
| (3) Right - Iliac | (4) Liver |
30. A film badge is a type of :
- | | |
|--------------------------|----------------|
| (1) Identification badge | (2) Sonometer |
| (3) Dosimeter | (4) Tachometer |
31. Fixed post mitotic cells are :
- | | |
|-----------------------|-----------------|
| (1) Spermatocytes | (2) Fibroblasts |
| (3) Endothelial cells | (4) Muscles |

32. The fastest dental film currently available is :
- (1) D speed
 - (2) C speed
 - (3) F speed
 - (4) E speed
33. Soap bubble appearance is shown by :
- (1) Osteoclastoma
 - (2) Osteosarcoma
 - (3) Multiple Myeloma
 - (4) Ewing's sarcoma
34. Eluanin fibers are seen in :
- (1) Gingiva
 - (2) Cementum
 - (3) Alveolar bone
 - (4) PDL
35. The most potent bone resorbing Interleukin :
- (1) IL - 8
 - (2) IL - 1B
 - (3) IL - 5
 - (4) IL - 3
36. Life - saver shaped enlargements of the marginal gingiva are called :
- (1) Gingival crater
 - (2) Mc Calls festoons
 - (3) Stillman's cleft
 - (4) Window peaks
37. Which cells are decreased in chronic periodontitis ?
- (1) B - Lymphocytes
 - (2) T - Lymphocytes
 - (3) Mast cells
 - (4) Plasma
38. Bone loss associated with Trauma from Occlusion :
- (1) Notching
 - (2) Vertical
 - (3) Horizontal
 - (4) Cystic
39. Computerized periodontal probe is :
- (1) Florida probe
 - (2) Perio temperature probe
 - (3) Automated probe
 - (4) DNA probe

40. Furcation is measured by :
- | | |
|-------------------|-------------------|
| (1) Naber's probe | (2) Florida probe |
| (3) DNA probe | (4) CPITN |
41. Root conditioning is done with :
- | | |
|-----------------|-----------------|
| (1) Citric acid | (2) H_2SO_4 |
| (3) Acetic acid | (4) Maleic acid |
42. Hydroxyapatite (1.67) $CaPO_4$:
- | | |
|----------------------|-----------------------|
| (1) Osteoconductive | (2) Osteoinductive |
| (3) Both (1) and (2) | (4) None of the above |
43. Angle at gingival bevel in class II Inlay cavity :
- | | |
|----------------|----------------|
| (1) 30° | (2) 10° |
| (3) 5° | (4) 80° |
44. Instrument that has a 4 digit formula :
- | | |
|------------------|---------------------|
| (1) Angle former | (2) Hoe |
| (3) Hatchet | (4) Spoon excavator |
45. Rake angle is negative :
- | | |
|--|---|
| (1) If rake face is before radial line | (2) If rake is inline \bar{C} radial line |
| (3) If rake face is behind radial line | (4) None of the above |
46. A 15% EDTA has a P^H of :
- | | |
|---------|---------|
| (1) 5.5 | (2) 7.3 |
| (3) 7.9 | (4) 7 |
47. G.P is plasticized by :
- | | |
|-------------|----------------|
| (1) Alcohol | (2) Chloroform |
| (3) Eugenol | (4) EDTA |

48. MC Spadden compactor is of _____ shape :
- (1) Reverse blade of K-file (2) Reverse blade of H-file
(3) Reamer (4) None of the above
49. Walking bleach uses :
- (1) Na. perberate and H_2O_2 (2) 30% H_2O_2
(3) $HCl + H_2O_2$ (4) None of the above
50. Purple colored reamer is numbered :
- (1) 08 (2) 10
(3) 15 (4) 30
51. HOME is :
- (1) Aversive technique (2) Remodelling
(3) Psychologic (4) None
52. Who discovered stainless steel :
- (1) Adams (2) Angle
(3) Brearley (4) Black
53. The pulse oximetry used in the determination of :
- (1) Rate of flow (2) Oxygen saturation
(3) Blood volume (4) All of the above
54. The number of frontanelles present at birth :
- (1) 2 (2) 4
(3) 6 (4) 8
55. $Ca(OH)_2$ was introduced by :
- (1) Nygaard Ostby (2) Hermann
(3) Schilder (4) Hunter

56. The acid in Saliva is neutralized by :

- | | |
|-----------------------------|--------------------|
| (1) CO_2 | (2) HCO_3 |
| (3) H_3PO_4 | (4) Proteins |

57. Ranula is a type of :

- | | |
|------------------------|---|
| (1) Epulis | (2) Thyroglossal duct |
| (3) Sublingual thyroid | (4) Cystic swelling in the floor of the mouth |

58. Cognitive theory of child development was given by :

- | | |
|-------------------|-------------|
| (1) Sigmund Freud | (2) Erik |
| (3) Jean Piaget | (4) Brenner |

59. The Ugly duckling stage is seen at the age of :

- | | |
|-------------------|------------------|
| (1) 6 - 7 years | (2) 9 - 10 years |
| (3) 10 - 12 years | (4) 14 years |

60. First growth spurt takes place at what age :

- | | |
|--------------|--------------|
| (1) 1st year | (2) 3rd year |
| (3) 6th year | (4) 9th year |

61. Normal Nasolabial angle :

- | | |
|----------------|-----------------|
| (1) 80° | (2) 110° |
| (3) 70° | (4) 140° |

62. Two - day old plaque consists primarily of :

- | | |
|---------------------------|------------------------|
| (1) Gram +ve aerobes | (2) Gram -ve anaerobes |
| (3) Facultative anaerobes | (4) None of the above |

63. The first bone formed in response to orthodontic loading is :

- | | |
|-------------------|--------------------|
| (1) Bundle bone | (2) Composite bone |
| (3) Lamellar bone | (4) Woven bone |

64. The appliance used to treat thumbsucking :
- | | |
|--------------------|-----------------------|
| (1) Crib appliance | (2) Frankel appliance |
| (3) Bionator | (4) Activator |
65. Anterior bite plane is used in correction of :
- | | |
|-------------------------|----------------------|
| (1) Anterior cross bite | (2) Deep bite |
| (3) Open bite | (4) All of the above |
66. The iron carbide in orthodontic wire is in the form of :
- | | |
|----------------|---------------|
| (1) Martensite | (2) Ferrite |
| (3) Carbide | (4) Austenite |
67. Distobuccal flange of mandibular denture is influenced by :
- | | |
|----------------|----------------|
| (1) Masseter | (2) Buccinator |
| (3) Temporalis | (4) Platysma |
68. Spherical theory is proposed by :
- | | |
|-------------|------------|
| (1) Bonwill | (2) Monson |
| (3) Hall | (4) Hanau |
69. Anatomic teeth should have cusp angle of :
- | | |
|---------|---------|
| (1) 30° | (2) 31° |
| (3) 32° | (4) 33° |
70. Optimum crown to Root ratio of the tooth to be used as abutment is :
- | | |
|-----------|-----------|
| (1) 1 : 2 | (2) 2 : 3 |
| (3) 1 : 1 | (4) 2 : 1 |
71. Ante's law provides an aid for :
- | | |
|---------------------------|----------------------------|
| (1) Selection of Pontic | (2) Selection of connector |
| (3) Selection of Retainer | (4) Selection of abutments |

72. Dean's Index is used to assess :

- | | |
|---------------|-------------------------|
| (1) Caries | (2) Gingival Bleeding |
| (3) Fluorosis | (4) Oral hygiene status |

73. Bilateral edentulous area present posterior to remaining teeth is classified as Kennedy's :

- | | |
|---------------|--------------|
| (1) Class I | (2) Class II |
| (3) Class III | (4) Class IV |

74. Which of the following is not a mandibular major connector :

- | | |
|-------------------|-----------------|
| (1) Lingual plate | (2) Lingual bar |
| (3) Lingual arch | (4) Labial bar |

75. In school water fluoridation, amount of fluoride used :

- | | |
|-------------------|-----------------|
| (1) 0.7 - 1.2 ppm | (2) 1.6 - 3 ppm |
| (3) 3 - 4 ppm | (4) 12 ppm |

76. According to WHO technical series published, CPITN probe is also known as :

- | | |
|---------|---------|
| (1) 611 | (2) 617 |
| (3) 621 | (4) 625 |

77. How many scores are used in Dean's fluorosis index ?

- | | |
|-------|-------|
| (1) 4 | (2) 6 |
| (3) 7 | (4) 5 |

78. The Analytical study where population is the unit of study is :

- | | |
|-----------------------|------------------|
| (1) Cross - Sectional | (2) Ecological |
| (3) Case - control | (4) Cohort study |

79. Case control studies are also called :

- | | |
|-------------------|-----------------|
| (1) Retrospective | (2) Prospective |
| (3) Prevalence | (4) Incidence |

80. Vibenolm's study is used in :
- | | |
|-----------------|-------------------------|
| (1) Oral cancer | (2) AIDS |
| (3) Caries | (4) Periodontal disease |
81. Maximum fluoride content is found in :
- | | |
|--------------|-------------------|
| (1) Sea fish | (2) Tea leaves |
| (3) Milk | (4) Coconut water |
82. Albans test is an example of :
- | | |
|--------------------------------|-------------------------|
| (1) Caries activity test | (2) Acid producing test |
| (3) Caries susceptibility test | (4) None of the above |
83. The complication of using airotor at 30,000 rpm for impacted molar is :
- | | |
|----------------------|-----------------------|
| (1) Neerosis of bone | (2) Tissue Laceration |
| (3) Tissue Neerosis | (4) Emphysema |
84. Most accepted theory for conduction of pain is :
- | | |
|-----------------------------------|-----------------------|
| (1) Gate control theory | (2) Specifity theory |
| (3) Membrane stabilization theory | (4) None of the above |
85. The safe dose of adrenaline in a patient with compromised cardiac condition :
- | | |
|------------|-------------|
| (1) 0.2 mg | (2) 0.02 mg |
| (3) 0.4 mg | (4) 0.04 mg |
86. The role of sodiummetabisulfite in LA is :
- | | |
|--------------------|---------------------|
| (1) Preservative | (2) Fungicide |
| (3) Reducing agent | (4) Vasoconstrictor |
87. The most common site of fracture of the mandible is :
- | | |
|---------------|-------------|
| (1) Body | (2) Angle |
| (3) Symphysis | (4) Condyle |

88. Lefort II fracture is also called :

- | | |
|--------------|-------------------------|
| (1) Guerin | (2) Pyramidal |
| (3) Floating | (4) Cranial dysfunction |

89. Involucrum is :

- | | |
|------------------------|--------------------|
| (1) Dead bone | (2) New live bone |
| (3) Previous live bone | (4) Sclerotic bone |

90. Cryosurgery utilizes which of the following :

- | | |
|-------------------|---------------------|
| (1) Vitrous oxide | (2) CO ₂ |
| (3) Liquid oxygen | (4) Nitric dioxide |

- o o o -