جماِية قناة السويس
كلية طب الأسنان
الxicoة

اعداد:
هنالك عثمان محمود
رئيسي مكتب
كلية طب الأسنان

إباحت:
أ.د/ عباحد عامر الهامشى
عميد كلية طب الأسنان

أ.د/ إيمان عبد العزيز الخفراوى
وكيل الكلية
للدراسات العليا والبحوث

أجمل الامنيات
بالنجاح والتوافق
Give an account on each of the following (25 marks each)

1. Oral lichen planus.
2. Differential diagnosis of acute lip swelling.
3. Localized acute pyogenic skin infections in the face.

(Time allowed 90 minutes)
Internal Medicine

Discuss the Following

1- Aetiology, clinical manifestations, diagnosis and management of pulmonary tuberculosis.

2- Give a short account on:
   - Diagnosis and management of infective endocarditis.
   - Pancytopenia.
   - Facial nerve paralysis.
   - Complications of liver cirrhosis.

Good Luck
1. a- Draw a labeled diagram for an X-ray tube.

   b- Explain the production, uses and characteristics of X-rays.

2. a- Describe the radiation intensity change with distance.

   b- An operator normally stands 1m away from the patient during cineangiography. The exposure rate at this point is 15 mrem/min, and total cineangiography time is 2min. What is the reduction should the stand 1.2m away?

3. a- Explain the interaction of electromagnetic waves with matter.

   b- What are the absorbed and equivalent doses of radiation?

4. a- Explain the mechanisms of radiation injury.

   b- What are the types of radiation effects?

With all my best wishes,

Dr. M. Hafez
Answer the following questions

1. Control and irradiation of infection during endodontic treatment is essential. Discuss this statement with reference to the medication and therapeutic agents used for this purpose.

2. Proper management of immature and complicated root canals lead to success of endodontic treatment. Discuss.

3. How surgical endodontics saves teeth that could not be saved by conventional methods.
Faculty of Dentistry,
Suez Canal University.

M. D. of Pediatric Dentistry
Immunology.

Date: 14 October, 2003

Answer SIX (6) out of the following questions:

1- Describe features and characteristics of innate immunity.

2- Discuss and explain briefly the biological functions of the immune system.
   activation.

3- Discuss and explain briefly the regulatory functions of the immune system.

4- Describe and explain five (5) cytokines giving its source and regulatory functions.

5- Describe and explain, using a diagram, the kinetics of primary and secondary antibody immune response.

6- Describe and explain five (5) protective mechanisms against bacterial and viral infections citing specific examples.

7- Describe and explain three (3) diagnostic tests used in the diagnosis of microbial and parasitic infections.

8- Describe and explain three (3) functions of secretory IgA.

Good Luck.
Suez Canal University,

Faculty of Dentistry,

Masters Degree Exam,

Biomedical Engineering

Solve ONE of the following questions:

(1) Explain in some details the Dental x-ray machine.

(2) Explain in some details the Apex locator.

(3) Explain in some details the Dental Laser.

(4) Explain in some details the Light curing machine.

(5) Explain in some details the Autoclave.

(6) Explain in some details the Amalgamator.

(7) Explain in some details the Electromyograph.

GOOD LUCK
Examination for Master of Dental Science Degree
(Dental Biomaterials)

Answer three of the following:

1. Britteness of dental porcelain is a prime disadvantage. Discuss the different methods of strengthening of these materials.

2. Removable partial dentures can be constructed from many dental alloys. Discuss

3. Write short notes on recent advances in composite resin.

4. Classification of all ceramics and discuss one of them.

(Good Luck)
Master Degree (second part)
Recent Advances in Oral Radiology

1. The role of Magnetic Resonance Imaging in oral and maxillofacial diagnosis.

2. Recent advances in Computed Tomographic imaging and their role in oral and maxillofacial diagnosis.

Good Luck
Biomedical Engineering
Master Degree Exam Des.2004

Time allowed: 2 hours

Solve one of the following questions:

1) Explain in some details the Dental Laser.

2) Explain in some details the Panoramic X – Ray.

Good Luck
1-Describe the normal radiographic landmarks of the maxillary anterior region.

2-Define the term Digital Radiography and account on its types and applications in oral and maxillofacial imaging.

3-Differential diagnosis of multilocular radiolucent lesions.

4-Give an account on the protective measures of the operator against radiation hazards.

5-Laser in dentistry.

6- Give an account on the radiographic assessment of dental implants.

Good Luck
All questions are to be answered:

1) Describe the mechanism of glycoprotein biosynthesis in salivary glands.

2) Write an account on the mechanism of tooth eruption.

3) Describe the compensating curvatures of the dental arches & individual tooth.

GOOD LUCK
All questions are to be answered:
Illustrate your answers with diagrams

1) Write an account on the micro & macro anatomy of the gingiva.

2) Give a detailed account on the micro anatomy of the alveolar process.

3) Write an account on:

   a) Mucous secretory units in salivary glands.

   b) Development of the tongue.

GOOD LUCK
Operative Dentistry Department  
Master Degree in Endodontics  
Written Exam - 7•7•V

Answer all the following questions: (Illustrate your answer with diagrams whenever possible)

I. List and Correlate between retention and resistance forms in post-endodontically treated coronal cavity preparation. (1 • marks)

II. List and explain the parameters controlling the decision of whether to preserve pulp vitality or to proceed with endodontic treatment. (1 • marks)

III. Compare between Self-etch and Total-etch bonding techniques concerning their biocompatibility with the pulpal tissues at variable cavity depths. (1 • marks)

IV. List and explain the hazards of microleakage and the clinical techniques suggested to improve resin composite restoration/tooth structure interface. (1 • marks)

V. List possible techniques to regain esthetic of a discolored endodontically treated maxillary central incisor and discuss and justify the most appropriate technique in your opinion for treatment of such case. (1 • marks)

Best Regards
Suez Canal University, Masters Degree, Dental Medicine, Bioengineering, Dec. 2007

Solve only one of the following questions:

(1) Explain in some details "Dental Laser".
(2) Explain in some details "Spectrophotometer"  
(3) Explain in some details "Electron Microscope"  
(4) Explain in some details "X-Ray Machine"

Good Luck

Dr. Ahmed Abutaleb, Cairo University, School of Engineering, Systems and Bioengineering Depts.
1. The middle third of the buccal surface of the permanent lower first molar is:
   a. Flat.
   b. Slightly convex.
   c. Has a developmental depression that extends mesiodistally.
   d. Strongly convex.

2. Looking to the permanent upper first molar from the buccal side you can see the two buccal cusps as well as parts of the two lingual cusps, this is because:
   a. The lingual cusps are longer than the buccal cusps.
   b. The distobuccal line angle is obtuse.
   c. The proximal surfaces converge lingually.
   d. The distobuccal angle is acute.

3. The following are examples of supporting cusps:
   a. Lingual cusps of upper premolars.
   b. Lingual cusps of upper molars.
   c. Buccal cusps of lower premolars.
   d. Buccal cusps of lower molars.
   c. All the above.

4. The mesial and distal outlines of the buccal surface of the permanent upper first molar respectively are:
   a. Convex and straight.
   b. Straight and convex.
   c. Convex and slightly concave.
   d. Straight and slightly convex.

5. Looking to the permanent lower first molar from the buccal aspect its five cusps can be seen because:
   a. The crown is inclined buccally.
   b. The mesio buccal and distobuccal line angles are acute.
   c. The lingual cusps are higher than the buccal cusps.
   d. None of the above.
6- Curved tooth axes perform the following functions except:
   a- Occlusal balance and stability.
   b- The curved path of the masticatory forces is best resisted by teeth having curved axes.
   c- Promote the mesial drift of the teeth.
   d- Provide sufficient room for the activities of the masseter muscle.

7- During lateral mandibular movement the lower posterior teeth of the working side make their occlusal contact:
   a- Lingual to their buccal cusp ridges at the occlusal third.
   b- Buccal to their buccal cusp ridges at the occlusal third.
   c- Lingual to their buccal cusp ridges at the middle third.
   d- Buccal to their buccal cusp ridges at the middle third.

8- Looking to the permanent upper first molar from the buccal aspect the apex of the mesiobuccal root is:
   a- In line with the buccal groove which separates the two buccal cusps.
   b- In line with the tip of the mesiobuccal cusp.
   c- In line with the base of the distobuccal cusp.
   d- Flares outside the confines of the greatest crown projection.

9- In centric occlusion the mesiolingual cusp of the upper first molar lies in:
   a- Central fossa of the lower first molar.
   b- Mesial triangular fossa of the lower first molar.
   c- Distal triangular fossa of the lower first molar.
   d- None of the above.

10- In the parabolic curve the facial surfaces of some of the teeth do not follow the curve distinctly. These are:
    a- The facial surfaces of the canines and first molar which lie facial to the curve limit.
    b- The facial surfaces of the upper molars which lie buccal to the curve limit.
    c- The facial surface of the upper lateral incisor lies lingual to the curve limit.
    d- a & C.
Suez Canal University
Faculty of Dentistry
Postgraduate Examination
Master degree

Subject: Anatomy
Time Allowed: 3 hours

Answer the following questions:

1- Describe anatomy of the temporo-mandibular joint and the muscles producing its movements.

2- Describe course and branches of the maxillary artery.

3- Describe anatomy of the submandibular gland.

4- Mention course, distribution and branches of the posterior division of the mandibular nerve.

5- Give a brief account on:
   a- nerve supply of the tongue.
   b- stenomastoid muscle.

N.B. oral exam will be held in the anatomy department on Wednesday 30th of November 2011
1. Control and irradiation of infection during endodontic treatment is essential. Discuss this statement with reference to the medication and therapeutic agents used for this purpose.

2. Proper management of immature and complicated root canals lead to success of endodontic treatment. Discuss.

3. How surgical endodontics saves teeth that could not be saved by conventional methods.
مدينة طرابلس

- أهديك هذه الرسالة العلمية:

1- إخراج العروض التي تكلم فيها تؤثر في نسبي الانتقادات

2- يمكن أن تكون الورقة المرضية لمدة اثنتين، وما ضربت إضافات

3- العناصر والموارد اللازمة لمرور الورقة، إضافة إلى مبادرات

مع خصري

6 مارس 1476
1- Differentiate between Cross sectional and Case control studies?

2- Give a short account on:
   - Normal distribution curve
   - Single blind and double blind design
   - Screening test

3- The following data show measurements on age of 10 individuals.
   29, 47, 28, 19, 24, 27, 34, 23, 24, 24

   Calculate:
   Mean
   Mode
   Median
   Range

   Good luck
Biochemistry Exam
For Ms.C Students (First Part)

Answer the following questions:

I- Give short notes on FOUR of the following:
   a. Structure of DNA
   b. Post-transcriptional modification of eukaryotic mRNA
   c. DNA replication
   d. RNA transcription
   e. Protein synthesis

II- Discuss FOUR of the following:
   a. Gout
   b. Diabetes mellitus
   c. Vitamin C
   d. Vitamin A
   e. Iron

III- Discuss the regulation of extracellular Ca^{2+} and PO_{4}^{2-}
1. Discuss in details digestion & Absorption of lipids!

2. Discuss the complications of hyperglycemia (Short and long term complications)!

3. Give an account on the principal and medical applications of only two of the following:-
   - PCR
   - P53
   - Recombinant DNA technology.

With My Best Wishes
Master Degree Exam in Pedodontics.

Answer the following questions

1- Discuss the possible avenues for emergency treatments for Ellis Class III fracture.

2- Discuss:
   a- Indications for stainless steel crown construction.
   b- Management of haemophytic patient in dental practice.

3- Write what you know about recent concepts in restoring teeth in pediatric dentistry.

Good Luck.
Master Degree of Pedodontics
& Orthodontics

Pedodontics

Answer The Following questions :-

1) Write an account on managing deep carious lesions in young permanent molars.

2) Arch length analysis is of great importance prior to deciding the design of space maintainer. Discuss.

3) Management of the child patient represents a problem to the dentist and affects the success of treatment. Discuss this statement with special reference to the child's first visit to the dentist.

4) Give an account on acute ulcerative lesions in children.
Master Degree of Pedodontics

Preventive Dentistry & Dental Public Health

Answer The Following questions :-

I) Preventive Dentistry

1) Write short notes on :-

   a) Caries Susceptibility tests.
   b) Water Fluoridation in Egypt.

2) Discuss Fissure Sealants and preventive resin restoration.

II) Dental public health :

1) Discuss and criticise the indices used in assessing periodontal condition.

2) Sample Selection is very Important for conducting an appropriate study. Discuss.
Master Degree of Orthodontics

Preventive Dentistry

Answer The Following quesitions:-

1) Prevention of oral habits in children.

2) Write short notes on :-

   a) Caries Sascceptibilty tests.
   b) Water Fluoridation in Egypt.

3) Discuss Fissure Sealents and preventive resin restoration.
Pediatric Dentistry

Give an account on:-

1-Management of potentially co-operative child.

2-Factors affecting eruption of the teeth.

3-Discuss different preparation techniques for conservative management of caries removal.

4-Discuss the acute gingival lesions during childhood.

Good luck
Master Degree (1st Part) Orthodontic Examination

All the questions should be answered.

1. Discuss the uses of cephalomery in the field of orthodontics.

2. One of the basic requirements to reach correct diagnosis is soft tissue evaluation. Discuss in details its relevance.

3. Correlate the study of craniofacial growth and clinical applications in orthodontics.

Good Luck

Notice:
- The practical exam will be held at: Tuesday 8-5-2012.
Preventive Dentistry

Give an account on:-

1- Caries risk assessment.
2- Objectives of preventive dentistry
3- Theories of mode of action of Flouride.
4- Methods of early detection of oral cancer.

Good luck
جامعة قناة السويس
كلية طب الإنسان
5 مايو 2012

- أجب على الأسئلة الآتية :

1- أشرح أهمية دراسة النمو وثلاثة من القوانين المحددة لعملية النمو .

2- أشرح باختصار العوامل المؤثرة في عملية النمو .

3- أشرح أحد مظاهر النمو في مرحلة الطفولة .

مع التمانيات بالتوافق
أ.د. سامي هاشم
Seuz Canal University
Faculty of Dentistry
Department of Prosthodontics

Partial denture Exam for Master Degree . 26/10/2002 ,
Time allowed : 3 h

Answer the following questions:-

1-Discuss the different techniques of jaw relation
registration in partial denture cases .

2-Discuss the causes of an inaccurate partial denture and
how to manage .

3-Describe your line of treatment of a case with missing

\[ 3, 2, 1 \quad 1, 2, 3 \]

Good Luck
Seuz Canal University
Faculty of Dentistry
Department of Prosthodontics

Maxillofacial Exam for Master Degree. 15/10/2002,
Time allowed: 2 h

Answer the following questions:-

1- Give short notes on:
   A- Split acrylic splint.
   B- Obturators for acquired defects.

2- Write an account on different types of stents.

Good Luck
1) Different approaches for infra-orbital nerve block.

2) Possible complications attributed to local anesthetic.

GOOD LUCK
Suez Canal University
Faculty Of Dentistry

Oral & Maxillo Facial Surgery Department
(Master Degree in Oral Surgery)
Local Anesthesia

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1) Complication of inferior alveolar nerve block injections & their management.

2) General pharmacological properties of local anesthetic agents.

3) Nerve blocks in upper jaw.

GOOD LUCK
Seuz Canal University
Faculty of Dentistry
Department of Prosthodontics

Overdenture Exam for Master Degree. 12/10/2002,
Time allowed: 2 h

Answer the following questions:

I- Write an account on: Advantages, Disadvantages, Indications and Contra-Indications of overdentures

II- Write an account on the different designs of tooth preparation for overdentures.

Good Luck
Give an account on:

1) significance of medical history in oral diagnosis.

2) Diagnosis of a case of bleeding.

3) Diagnosis, examination and etiology of cervicofacial lymphadenopathy.

GOOD LUCK
1) Differential diagnosis of mandibular angle radiolucency.

2) Differential diagnosis of soft tissue palatal swelling.

3) Give an account different types of oral biopsy.

GOOD LUCK
Cariology
(Master Degree)

Answer the following questions:

1. If caries risk is an important consideration in contemporary restorative dentistry? Explain how and indicate the currently employed methods to control its influences.
2. Describe the profile of a cariogenic organism.

GOOD LUCK
Suez Canal University.
Faculty of Dentistry.

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Examination of “Experimental Surgery”
(Master degree, 2nd part)

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Time allowed: 2 hours. October, 2002.

Please answer the following questions:

1- Enumerate the inhalational agents used for anesthetizing rats, and discuss one of them.

2- Write brief account on:
   a) Preoperative techniques for the preparation of a surgical operation.
   b) General lines for the post-operative care of the experimental animals.
   c) Intra-operative haemostasis in an experimental animal.

3- Write an essay on the different routes of the drug administration in the experimental animals.

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Good luck
Seuz Canal University  
Faculty of Dentistry  
Department of Prosthodontics  

Partial denture Exam for Master Degree. 26/10/2002,  
Time allowed: 3 h  

Answer the following questions:-  

1-Discuss the different techniques of jaw relation  
registration in partial denture cases.  

2-Discuss the causes of an inaccurate partial denture and  
how to manage.  

3-Describe your line of treatment of a case with missing  

\[
\begin{array}{|c|c|}
\hline
3,2,1 & 1,2,3 \\
\hline
\end{array}
\]

Good Luck
Answer the following questions:

1- Discuss the management of crowding in permanent dentition.

2- Discuss theories & factors controlling growth of the cranio-facial complex.

3- Adjunctive orthodontic therapy represents an important step for patients require fixed prosthetic appliance or conservative treatment. Discuss this statement in details.

GOOD LUCK
Answer The Following Questions:

I- Write an account on; Causes, Disadvantages, and Management of flabby ridges
II- Write an account on Occlusion Concepts for complete dentures
III- Write an account on Impression techniques for completely edentulous ridges

Good Luck
1) Give an account on serious infection in oro-facial region.


3) Treatment of chronic large oro-antral fistula.

GOOD LUCK
HISTOCHEMISTRY

Give full account on :-

1. Types of carbohydrates and their distribution in oral soft tissues
2. Types of enzymes and their activities in the oral soft tissues.
Answer SIX (6) out of the following questions:

1- Describe features and characteristics of innate immunity.

2- Discuss and explain briefly the biological functions of the complement activation.

3- Discuss and explain briefly the regulatory functions of T lymphocytes.

4- Describe and explain five (5) cytokines giving its source and biological functions.

5- Describe and explain, using a diagram, the kinetics of primary and secondary antibody immune response.

6- Describe and explain five (5) protective mechanisms against bacterial and viral infections citing specific examples.

7- Describe and explain three (3) diagnostic tests used in the diagnosis of microbial and parasitic infections.

8- Describe and explain three (3) functions of secretory IgA.

Good Luck.
إجبي على الأسئلة التالية:

1- إشرح قوانين ومبادئ النمو.

2- إشرح العوامل البيئية المؤثرة في عملية النمو.

3- إشرح أهم مظاهر النمو العقلي للطفل من سن 3 إلى 6 سنوات.

مع التمنيات بالتوافق

د/ سامي هاشم
Suez Canal University  
Faculty of Dentistry  
Postgraduate Examination  
Master degree

Answer the following questions:

1- Describe anatomy of the temporo-mandibular joint and the muscles producing its movements.

2- Describe course and branches of the maxillary artery.

3- Describe anatomy of the submandibular gland.

4- Mention course, distribution and branches of the posterior division of the mandibular nerve.

5- Give a brief account on:
   a- nerve supply of the tongue.
   b- stenomastoid muscle.

N.B. oral exam will be held in the anatomy department on Wednesday 30th of November 2011
Suez Canal University
Faculty of Dentistry
Oral & Maxillofacial Surgery Department

Time allowed: 3 hours

16/5/2011

Master Degree
Oral Surgery

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Answer the following questions:

1- Maxillary sinusitis of dental origin.

2- Factors affecting Osseo integrations.

3- Management of the diabetic patient during Performing oral surgical procedures.

Good Luck
Suez Canal University, Masters Degree, Dental Medicine, Bioengineering, Dec. 2007

Solve only one of the following questions:

(1) Explain in some details "Dental Laser".
(2) Explain in some details "Spectrophotometer"
(3) Explain in some details "Electron Microscope"
(4) Explain in some details "X-Ray Machine"

Good Luck

Dr. Ahmed Abutaleb, Cairo University, School of Engineering, Systems and Bioengineering Depts.
Suez Canal University
Faculty of Dentistry

General Surgery Examination
Master Degree of Oral Surgery-1st part
May 2007

Answer the Following Questions:

1. Discuss the management of multiple injured patient.

2. Give a short account on:
   a) Complications of massive blood transfusion.
   b) Thyroglossal cyst.

Good Luck
SUEZ CANAL UNIVERSITY
FACULTY OF DENTISTRY
DEPARTMENT OF ORAL MEDICINE & PERIODONTOLOGY

Master Examination in Immunology

December 2007

All Questions to be answered:

Mention what you know about:

1- The first line (External factors) of natural defensive mechanism.

2- The potent chemotactic factors and their functions.

3- Natural killer cells (N.K.).

Good Luck
SUEZ CANAL UNIVERSITY  
FACULTY OF DENTISTRY  
ORTHOD. DEPT., 

MASTER EXAM OF ORTHODONTICS  
(FIRST PART) 

PRECLINICAL ORTHODONTICS 

Answer the following questions: 

1- Some of the disease has an effect on the development of dent-skeletal pattern causing malocclusion and malrelationship between upper and lower jaws. Discuss in detail 

2- Give full account on dimensional changes during permanent dentition and features of normal occlusion. 

3- Give an account on different classifications of malocclusion. 

الامتحان العملي والشفوي سيكون يوم الأحد 2005/12/18 بقسم التقويم 

GOOD LUCK
Faculty of Dental Medicine
Suez Canal University
Department of Biomaterials

Master Degree Exam
March 2005

Answer the following questions:

1. Clinical significance of the following mechanical properties:
   a. Fatigue.
   b. Yield strength.
   c. Resilience.

2. Give an account on accuracy of impression materials.

3. Discuss types of corrosion and how to minimize its effect.

Good luck
MASTER EXAM OF ORTHODONTICS
(FIRST PART)

LABORATORY ORTHODONTICS

Answer the following questions:

1- Discuss the factors affecting normal development of occlusion.

2- Give an account on history of craniofacial growth theories.

3- Give an account on the effect of heavy force during orthodontic treatment on the tooth movement.

Good luck
SUEZ CANAL UNIVERSITY
FACULTY OF DENTISTRY
DEPARTMENT OF ORAL MEDICINE & PERIODONTOLOGY

Master Examination in Oral diagnosis

November 2005
Time Allowed: Three Hours.

II questions to be answered:

Q1: Give an account on:

a- Difference between lymphadenopathy associated with an inflammatory process and lymphadenopathy associated with malignant tumor?

b- Indirect questions.

c- History of chief complaint.

d- Palpation.

Q2: A patient came to your clinic complaining from pale oral mucosa, Oral ulcers (not surrounded by inflammatory zone) and multiple petechiae and ecchymosis.

- What is the differential diagnosis of this case? And your suspected diagnosis?

Describe in details how to diagnose a case with bleeding?

Q3: How can you do general appraisal of the face?

Q4: What are biopsy, exfoliative cytology and smear?

Good Luck
Give an account on each of the followings:

1- Oral manifestations of Syphilis
2- Oral manifestations of immune compromised patients
3- Uses and side effects of steroids in oral problems

Good Luck
Discuss each of the following:

1) Management of hemi-mandibulectomy patients.

2) Dental management of irradiated patients.

Good Luck
ANSWER THE FOLLOWING QUESTIONS:

1) Discuss the current trends for augmentation of complete denture retention.

2) Write an account about the requirements of the dental articulator and discuss the development of this device to simulate the natural mandibular movements. How can you evaluate the suitability of the articulator for complete denture construction?

3) Discuss the philosophy of the different secondary impression theories. Write an account about the current techniques of each theory and the requirements of the impression material for each technique (mention one material for each technique).

GOOD LUCK
Suez Canal University
Faculty of Dentistry

Master Degree Part II
Occlusion for Fixed and Removable Prothodontics

Date: 19/9/2000

Time Allowed: Two Hours

Answer the Following Questions:

1. Discuss mandibular movements and their significance in artificial occlusion

2. Balanced Versus Non-balanced occlusion
Suez Canal University
Faculty of Dentistry
Department of Oral Medicine
Oral Medicine Examination for Master Degree

Date: 9/9/2000 ........................................................................................................ Time Allowed: Three Hours

Give an account on:

1. Oral foci of infection and its relation to remote complications

2. Oral Manifestations of viral diseases affecting the oral cavity

3. Complications of prolonged use of glucocorticoid therapy.

How to avoid these complications? And management of patients on steroid therapy.
Answer the following questions:

1. Give an Account on the adaptation between anatomy and function of the masticatory system in Herbivores, Carnivores and Omnivores

2. Enumerate the different zoonotic diseases transmitted from dog to man and management of rabies.

3. Write short notes on:
   a. I.V anaesthesia of the dog
   b. Complications of GA in experimental surgery
   c. Advantages and disadvantages of different techniques of Euthanasia
Faculty of Dentistry
Department of Prosthetic Dentistry
Partial Denture Examination For Master Degree
Part II

Date: 16/9/00 Time Allowed : Three Hours

Answer the following questions:

1. Compare in details the unilateral and bilateral partial denture

2. Discuss in details your line of treatment of a partially edentulous subject having the following criteria:
   
a. Remaining  
   
\[
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\underline{8765} \\
\underline{xxxxx}
\end{array}
\mid
\begin{array}{c}
\underline{xxxx} \\
\underline{5678}
\end{array}
\]

b. wearing acrylic tissue supported maxillary and mandibular partial dentures for two years

c. Mobility Grade II of  
   
\[
\begin{array}{c}
\underline{5} \\
\underline{5}
\end{array}
\mid
\begin{array}{c}
\underline{4321} \\
\underline{1234}
\end{array}
\]

Explain the possible causes for this mobility

Good Luck
FIRST PART MASTER DEGREE ORTHODONTIC EXAM

PRE CLINICAL ORTHODONTICS

Answer the following questions:

1- Discuss the angular and linear cephalometric measurements used for diagnosis of skeletal open bite case.

2- Give an account on effects of mouth breathing habit on occlusion.

3- Write about normal development of occlusion during mixed dentition stage.

GOOD LUCK
Complete The Following:

Question (1)

(1)

By examining the above distributions, one readily sees that although the ........................................... is a simply calculated measure of variation, it alone is ................................................... Both distributions have the same ...................... but display ........................................

(2)

(a) Supply the missing entries in the following table

<table>
<thead>
<tr>
<th>$y_i$</th>
<th>........................</th>
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<tr>
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$\sum y_i = 20 \quad \sum ....... = 0 \quad \sum ....... = 10$

(b) Evaluate the following using (a)

(c) The purpose of statistics is to make ........................................................ based on information

(b) ........................................................

(c) The purpose of a statistical problem are

(b) ........................................................

(c) The purpose of a statistical problem are

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(c) The purpose of a statistical problem are
Suez Canal University
Faculty of Dentistry

April 2008
Otolaryngology
Master Degree

Discuss:
- Dental sinusitis
- Facial pain
- Cancer maxilla
- Xerostomia
SUEZ CANAL UNIVERSITY
FACULTY OF DENTISTRY
DEPARTMENT OF ORAL MEDICINE & PERIODONTOLOGY

Master Degree Oral Diagnosis Examination

April 2008 Time allowed: 3 hrs

All questions to be answered:

1- A patient came to your clinic with generalized skin and oral mucosa pallor and complaining from constant fatigue. Discuss in details your suspected diagnosis, and laboratory tests needed to confirm the diagnosis?

2- Describe the diagnostic technique of choice for diagnosis of a soft-tissue lesion in the mouth?

3- Give short account on the importance of the chief complaint and list five of the most common complaints?

Good Luck
ORTHODONTIC APPLIANCES

Answer the following questions:

1- For posterior and anterior cross bite, it is important to make the appropriate distinctions between skeletal and dental problems and to quantify its severity. Discuss this statement.

2- A- Coil spring can be used in a variety of ways during canine retraction. Discuss and mention advantages and disadvantages of each method.

B- Write in details the different extraction modalities in posterior segment.

3- Retention- to avoid relapse- should be considered in the treatment plan during early stages of diagnosis. Discuss.

GOOD LUCK
Answer the Following Questions:

1- Discuss causes and management of different types of shock.

2- Discuss the clinical picture and management of thyrotoxicosis.

Good Luck
1- Give an account on the digital radiography and discuss a method for standardization of serial periapical radiographs. (10 Marks)

2- "Tooth mobility is considered as one of the main parameters in prosthetic research" Write a short account about the progress of its measuring methods and devices. (10 Marks)

3- Discuss the different methods of testing pulp vitality. (10 Marks)

4- Mention different methods and techniques used for stress analysis in dentistry and write a short account on one of them. (5 Marks)

Good Luck
Master Degree

Dermatology & Andrology

Give an account on each of the followings:

1- Mucocutaneous candidiasis

2- Late congenital syphilis

Good Luck
SUEZ CANAL UNIVERSITY
FACULTY OF DENTISTRY
DEPARTMENT OF ORAL MEDICINE & PERIODONTOLOGY

Master Degree Genetics Examination

December 2006          Time allowed: 3 hrs

Give an account on:

1- Patterns of inheritance.

2- Genetic defects causing teeth discoloration.

3- Gene therapy and the new developments in this field.

(Good Luck)
Suez Canal University  
Faculty of Dentistry

General Surgery Examination  
Master Degree of Oral Surgery - 1st part  
Nov. 2006

Answer the Following Questions:

1- Discuss the management of a toxic nodule of the thyroid gland.
2- Discuss types and management of tracheo esophageal fistula

Good Luck
Answer the following questions:

1. Discuss the malocclusion and its effects on T.M.J.

2. Describe in details the hypothesis and theories of craniofacial growth.

3. The jaw bones are parts of the closed force linked functional unit. Discuss:
   A. The basic positions of the mandible
   B. The effects of forces of occlusion on bone.
MASTER DEGREE EXAM OF PRECLINICAL ORTHODONTICS

Answer the following questions:

1. DISCUSS IN FULL DETAILS DIFFERENT SYSTEMS OF CLASSIFICATION OF MALOCCLUSION.

2. DIGITAL CEPhALOMETRIC RADIography REPRESENT ONE OF THE MOST RECENT DIAGNOSTIC ORTHODONTIC RECORDS. DISCUSS THIS STATEMENT.

3. DISCUSS:

A. THE ROLE OF NORMAL SPACES IN THE DEVELOPMENT OF NORMAL OCCLUSION.

B. THE FEATURES OF NORMAL OCCLUSION.
Instrumental Analysis

Attempt all questions:

1) Compare between ionic and metallic bonds regarding the electronic configuration of atoms and properties of solids?

2) Sketch the expected thermal curves on heating material (x) which gives an endothermic peak at 600°C using either one of the following materials as a reference:
   a- Silica,  b- Magnesium Carbonate,  c- Calcined Alumina,
   d- Calcite,  e- Air,  f- Magnesium Carbonate heated at 800°C.

3) Outline the steps of quantitative determination of phases using X-ray diffraction procedures? what are the limits of accuracy?

4) How far infrared spectroscopy could be used for the following up of a chemical reaction?
   Give example?
   What are the limits of accuracy?

5) Write on Three only of the following:
   a- Reference Materials
   b- X-Ray Fluorescence (XRF)
   c- Isomorphism and polymorphism
   d- Rutherford experiment

Wa alad al-muwafaq

Prof. Dr. Abdel Aziz A. Khalil
Write briefly on FOUR of the following topics

1. Conservative methods used in treating supplementary fissures (types, indications, advantages)
2. The smear system (description, significance)
3. Mechanisms for retention of restorations (types, efficacy)
4. Cutting efficiency of rotary tools (definition, influencing factors)
5. Control of thermogenesis during cavity preparation (significance, causes, control methods)
Answer the following questions:

1- Give an outline of genetic disorders with examples.

2- Give an account on the principles of molecular cloning and the significance of gene cloning in medical genetics.

3- Write a short account on:
   a- Heterogeneity
   b- Consanguinity
   c- Dosage compensation
   d- Mitochondrial inheritance

- Mitochon
- Mutation
- Tinkage
- Celiac
- Mult. Frad. Inf.
- Instermedia
- Klinefelter 47,XY
- Turner syndrome 45X
- Triso 21 down
COURSE CURRICULUM Ph.D. DEGREE OF ORAL BIOLOGY
(ELECTRON MICROSCOPE)

1- PREFACE TO ELECTRON MICROSCOPE:

1-1- Types of Electron Microscopes.
1-2- Brief account about the construction and operation of the Electron Microscope.
1-3- Principles of using Electron Microscope.

2- METHODS OF TISSUE PROCESSING:

2-1- Tissue processing for transmission E.M.
2-2- Viruses and bacteria processing (negative staining) for transmission E.M.
2-3- Tissue processing for scanning E.M.

3- IDENTIFICATION AND LOCALIZATION OF THE CHEMICAL STRUCTURES PRESENT IN THE OBJECT TO BE SEEN VIA TRANSMISSION E.M.:

3-1- Nucleic acids. 3-2- Phospholipids. 3-3- Proteins.
3-4- Carbohydrates (polysaccharides) 3-5- Fats (saturated and unsaturated).