APRIL 2001

[KD 365]

M.D.S. DEGREE EXAMINATION.

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks.

Answer ALL questions.

1. Discuss cell cycle. Describe in detail the proliferative organization of oral epithelium. (25)

2. Define tumour markers. Discuss the role of cell surface glyco proteins in diagnostic oncology. (25)

3. Discuss the role of tumour grading in prognostication, validate the advancements in oral malignancy grading. (25)

4 Write briefly on : (25)

(a) Monoclonal antibodies

(b) Metaplasia.

(c) Growth factors.

(d) Hamartomas.

(e) Micronuclei.

NOVEMBER 2001

[KE 365]

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. What are Lectins? Discuss the role of Lectin Histochemistry in Tumour Diagnosis. (25)

2. Discuss major histocompatibility locus. Describe the role of it as a Tumour marker. (25)

3. Define Hamartomas. Discuss Hamartomas that affect Jaw Bones. (25)

4. Write briefly on : (25)

   (a) Cyclins

   (b) Hyperplasia

   (c) Killer cells

   (d) Hybridoma

   (e) Paget's 'Tumour'.

MARCH 2002

[KG 365]

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time Three hours Maximum 100 marks

Answer ALL questions.

1. What is apoptosis? Discuss its role in oncogenesis. (25)

2. Discuss the role of viruses in oral carcinogenesis. (25)

3. Enumerate and discuss the locally aggressive lesions of the oral and maxillofacial region. (25)

4. Write briefly about : (25)

   (a) Oncogenes.

   (b) Antioxidants.

   (c) Variants of mucoepidermoid carcinoma.

   (d) Field cancerisation.

   (e) Flow cytometric analysis.

SEPTEMBER 2002

[KH 365]

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the role of FNAC in the diagnosis of salivary gland tumours. (25)

2. Discuss various prognostic and predictive factors in oral cancer. (25)

3. Discuss different variants of ameloblastoma. (25)

4. Write briefly about : (25)

(a) Tumour angiogenesis

(b) p53

(c) Dysplasia

(d) Collision tumours

(e) Ascorbic acid and oral cancer.

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APRIL 2003

[KI 365] **Sub. Code : 2332**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the role of growth factors in neoplasia. (25)

2. Discuss the clinico–pathological significance of the terms 'Histogenesis' and 'Differentiation' as applied to tumour pathology. (25)

3. Describe the relevance of tumour grading as prognosis indicator in oral malignancies. Mention the recent advances in Tumour grading. (25)

4. Write briefly on : (25)

   (a) P^{53}

   (b) Apoptosis

   (c) DNA adducts

   (d) Feeder cells

   (e) Tumour Angiogenesis.

OCTOBER 2003

[KJ 365] **Sub. Code : 2332**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — ORAL PATHOLOGY

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

M.C.Q. must be answered **SEPARATELY** on the answer sheet provided as per the instructions on the first page of M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Essay : (2 × 15)

1. Outline the criteria necessary to establish a viral aetiology for tumors and discuss these in respect of human carcinogenesis.

2. Discuss critically the concepts of hyperplasia and neoplasia in relation to oral mucosal cells.

3. Short notes : (10 × 5)

(1) Carcinoid tumors.

(2) Metaplasia.

(3) Tumor grading.

(4) Tumor markers.

(5) Intermediate filaments.

(6) Tumor supressor genes.

(7) Karyotyping.

(8) Oncocytoma.

(9) Telomerace.

(10) Nitric oxide synthase.

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APRIL 2004

[KK 365] **Sub. Code : 2332**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

A. Essay : (2 × 15 = 30)

(1) Discuss the molecular basis of oral cancer.

(2) Discuss the role of myoepithelial cells in salivary gland tumors.

B. Short notes : (10 × 5 = 50)

(1) Neurofibroma

(2) Malignant melanoma

(3) Discuss the differential diagnosis of spindle cell tumors

(4) Burkitt's lymphoma

(5) Papillary cystadenoma lymphomatosum

(6) Field cancerisation

(7) Choriostomas

(8) Discuss intra epithelial carcinoma

(9) Ghost cells

(10) Discuss in detail cementoma.

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AUGUST 2004

[KL 365] **Sub. Code : 2332**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) Discuss premalignancy and discuss the pathogenesis of oral submucous fibrosis.

(2) Discuss the metastatic tumours of the jaw.

II. Short notes : (10 × 5 = 50)

(a) Oncogenes.

(b) Pindborg's tumours.

(c) Chemical carcinogens.

(d) Markers for cell proliferation.

(e) Embryonal Rhabdomyosarcoma.

(f) Polymorphous low grade adenocarcinoma.

(g) Cell adhesion molecules in oral squamous cell carcinoma.

(h) Aneuploidy

(i) Hodgkin's lymphoma.

(j) Chronic lymphoid (lymphocytic) leukemia.

FEBRUARY 2005

[KM 365] Sub. Code : 2332

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Discuss the concept of premalignancy and Leukoplakia.

(2) Discuss malignant salivary gland neoplasms.

II. Write Short Notes on : (10 × 5 = 50)

(a) Oncogenes

(b) Malignant fibrous histiocytosis

(c) Adenamatoid Odontogenic Tumour

(d) Tumour markers

(e) TNM classification

(f) Malignant Melanoma

(g) Viral Oncogenesis

(h) Non Hodgkins Lymphoma

(i) Ewings Sarcoma

(j) Tumor front.

SEPTEMBER 2006

[KP 365] **Sub. Code : 2332**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Part II

Paper II — ONCOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL the questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

1. Discuss the benign and malignant tumors affecting the intra-oral minor salivary glands. Also write the current concepts on histogenesis of these tumors. (20)

2. Discuss the pre-malignant lesions affecting the oral mucosa. Also the role of candida as an etiologic agent. (15)

3. Discuss the benign epithelial odontogenic tumors without odontogenic ectomesenchyme. (15)

II. Write short notes on : (6 × 5 = 30)

(a) Osteosarcoma

(b) Non-Hodgkin's lymphoma

(c) Role of growth factors in OSMF

(d) Lichenoid dysplasia

(e) Cranio-facial fibrous dysplasia.

(f) Eosinophilic granuloma.

MARCH 2007

[KQ 365] **Sub. Code : 2332**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Paper II — ONCOLOGY

(For candidates admitted from the academic year 1993–94 onwards)

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Write brief and legible answers.

I. Essay questions :

(1) Discuss the concept premalignancy and discuss the pathogenesis of Oral Submucous Fibrosis. (20)

(2) Classify Odontogenic Tumors and discuss in detail Ameloblastoma. (15)

(3) Define carcinogenesis. Discuss in detail Viral carcinogenesis. (15)

II. Write short notes on : (6 × 5 = 30)

(a) Oncogenes

(b) Malignant fibrous histiocytosis

(c) Adenamatoid odontogenic tumour

(d) Tumour markers

(e) Oral manifestation of Leukemia

(f) Cylindroma

SEPTEMBER 2007

[KR 365] **Sub. Code : 2332**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Paper II — ONCOLOGY

(For candidates admitted Upto 2003-04)

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(1) Define Leukoplakia. Describe the clinical forms and staging system for oral leukoplakia. Add a note on the proliferative organization of oral mucosa. (20)

(2) Classify odontogenic cysts. Describe in detail the origin, histologic features and biologic behaviour of "Orthokeratinized odontogenic cyst". (15)

(3) Define tumour markers. Discuss the role of cell surface Glycoproteins in diagnostic oncology. (15)

II. Write Short notes on : (6 × 5 = 30)

(a) Oral nevi.

(b) pTNM classification.

(c) Pleomorphic adenoma.

(d) Giant cell tumor of bone.

(e) Kaposi's sarcoma.

(f) 'Hybridomas'.

MARCH 2008

[KS 373] **Sub. Code : 2332**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Oral Pathology

Paper II — ONCOLOGY

(For candidates admitted upto 2003-04)

Q.P. Code : 242332

Time : Three hours Maximum : 100 marks

Answer ALL questions.

(Draw diagrams wherever necessary)

I. Essay questions : ($2 \times 20 = 40$)

1. Discuss in detail the immunology of Oral squamous cell carcinoma.
2. Discuss in detail the nervous tissue tumors.

II. Write short notes on : ($6 \times 10 = 60$)

1. Dysplasia.
2. Pleomorhic Adenoma.
3. Ackerman's Tumor.
4. Apoptosis.
5. Pre malignant Lesions.
6. Schwannoma.
