

Department of Anatomy
Dr. SUDHA & NAGESWARA RAO SIDDHARTHA INSTITUTE
DENTAL SCIENCES

1st BDS (2018-19 batch)

2nd Internal Assessment Examination

Date: 20.02.19

Time: 09.15 Am to 1

Answer all questions

Max. Marks: 35

Illustrate your answers with suitable diagrams

1. Describe the Orbit under following headings: 2 + 3 + 3 =

a. Boundaries & Contents 0

b. Name the Extra ocular Muscles with attachments & Nerve Supply

c. Actions of Extra ocular Muscle & Applied Anatomy

d. Ciliary ganglion

Write short notes on: 4 x 4 =

2. Tentorium Cerebelli

3. Microscopic Structure of Tongue

4. Derivatives of 1st Pharyngeal arch

5. Blood Supply of Thyroid gland 0

Write very short notes on: 5 x 2 =

6. Parts of Pituitary gland 0

7. Nerve Supply of Parotid gland 0

8. Chorionic villi

9. Two tributaries of Cavernous Sinus

10. Name the parts of Vertebral artery

Drs. SUDHA & NAGESWARA RAO
SIDDHARTHA INSTITUTE OF DENTAL SCIENCES
CHINOUTAPALLI, GANNAVARAM MANDAL, KRISHNA Dt: 521286, A.P.

Time: 11.00am to 12.30pm
Duration : 1.30 hours

Date: 21.02.2019
Max. Marks: 35

Part B-Biochemistry
1st BDS(2018-19) Batch Students 2nd Internal Assessment Theory Examination

Answer all questions

- ✓ 1. Give an account of sources, recommended daily allowance, biochemical functions, deficiency manifestations vitamin -D. (1+1+4+3=9 Marks)

Write short notes on

- ✓ 2. Significance of HMP Pathway
✓ 3. Synthesis of ketone bodies
✓ 4. Steps of Urea cycle
✓ 5. Gout

4x4=16 Marks

Write brief notes on

- ✓ 6. Functions of HDL -
✓ 7. Genetic Code
✓ 8. Renal glycosuria -
✓ 9. Scurvy -
10. Purine salvage pathway

2x5=10 Marks

Drs Sudha and Nageswara Rao Siddhartha Institute of Dental Sciences
Department of Dental Anatomy and Oral Histology
First BDS - Second Internal Assessment -22/2/19.

Duration: 1 1/2 hrs

Max Marks :35

INSTRUCTIONS

- Answer all questions
- Draw diagrams where necessary

Essay:

1. Define periodontium, write in detail about fibers & functions of PDL (9)

Write short notes on

(4 x 4=16)

2. Occlusal aspect of maxillary first premolar
3. Hypocalcified structures of dentin
4. Age changes of dentin
5. Differences between cellular and acellular cementum

Write Briefly on:

(5 X 2=10)

6. Zones of pulp
7. Tomes granular layer
8. Pulpstones
9. Diff. between maxillary & mandibular canine
10. CEJ

★
★ B612 ★
★

2x5=10 Marks

4x4=16 Marks

(1+1+4+3=9 Marks)

ance: Biochemical

Department of Physiology
(BDS-2018-19 Batch)
II Internal Theory Examination

Date: 21.02.19
Time: 9.15am to 10.45am

Marks: 35

1. Enumerate respiratory centres with their location. Explain neural regulation of respiration with the help of neat labelled diagrams. Add a note on Hering-Breuer's reflex. 3+4+2=9m
4x4=16

Write Short Notes on:

2. Short Term Regulation of Blood Pressure
3. Composition and functions of saliva
4. Mechanism of HCl secretion
5. Explain Oxygen-Haemoglobin dissociation curve with diagram.

5x2=10

Write Briefly on:

6. Peristalsis
7. Mention different types of shock
8. Functions of bile
9. Types of hypoxia
10. Proteolytic enzymes

Drs Sudha and Nageswara Rao Siddhartha Institute of Dental Sciences
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First BDS - Second Internal Assessment -22/2/19.

Duration: 1 1/2 hrs

Max Marks :35

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★ B612 ★
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Drs Sudha and Nageswara Rao Siddhartha Institute of Dental Sciences
Department of Dental Anatomy and Oral Histology
First BDS - Second Internal Assessment -22/2/19.

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- Answer all questions
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Write short notes on

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3. Hypocalcified structures of dentin
4. Age changes of dentin
5. Differences between cellular and acellular cementum

Write Briefly on:

(5 X 2=10)

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7. Tomes granular layer
8. Pulpstones
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10. CEJ

★
★ B612 ★
★

Time: 3 Hrs.

[Max. Marks: 70]

DENTAL ANATOMY & ORAL HISTOLOGY

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10

1. Describe in detail the life cycle of Ameloblasts
2. Define periodontal ligament. Discuss the principal cells of periodontal ligament

SHORT ESSAY

6 X 5

3. Physical & Chemical properties of Dentin.
4. Classify Cementum and describe each type in brief.
5. Incremental lines.
6. Enumerate and describe in brief the theories of pain transmission through dentin.
7. Explain with Diagram the different histologic zones dental pulp.

SHORT ANSWERS (Answer any Ten Questions)

2x10=20

8. Tomes Processes and Tomes Granules.
9. Defense cells of pulp.
10. Contents of dentinal tubules.
11. Interglobular dentin and interglobular spaces.
12. Anatomic repair and Functional repair.
13. Hunter Scherger Bands.
14. Ground substances.
15. Functions of Periodontal ligaments.
16. Pulp stones.
17. Epithelial rests of Malassez.
18. Toluidine Blue.

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MALLA REDDY INSTITUTE OF MEDICAL SCIENCES

Suraram, Jeedimetla, Hyderabad

Subject: Anatomy
Course: 1st BDS
Exam: 2nd Internal Assessment Examination

Marks: 70
Time: 10.00 am to 1.00 p
Date: 11.03.2019

Answer all Questions.

Draw Well Labelled Diagrams where ever necessary.

Essay Questions: -

1. Describe thyroid gland under the following headings (2×9=18M)
a) Gross Anatomy [4 + 3 + 2 =
b) Blood Supply
c) Applied importance
2. Describe Temporomandibular joint under the following headings [2 + 3 + 3 + 1 =
a) Type of joint - *synovial joint*
b) Structure & relations
c) Movements & muscles producing it
d) Applied Importance

Short Essays: -

3. Histology of submandibular gland (8×4=32 M)
4. Extra cranial course of facial nerve
5. Ophthalmic artery
6. Naso pharynx
7. Histology of fundus of stomach
8. Secretomotor supply of parotid gland
9. Maxillary nerve course and branches
10. Structures passing between constrictor muscles

Write Briefly: -

11. Superficial temporal artery ✓
12. Jugular foramina ✓
13. Retro mandibular vein
14. Parts of hyoid bone
15. Histology of medium sized artery
16. Stylo mandibular ligament
17. Pterion ✓
18. Stylo pharyngeus muscle
19. Parts of cervical vertebra ✓
20. Name the extra ocular muscles

(10×2=20 M)

*Muscles of mastication
Integumentary
Stylo mandibular
Sphenoid*

1st BDS; 2018 19; 2ND INTERNAL THEORY ASSESMENT EXAM
12-03-19 TUESDAY: 10.00 - 1.00 P.M MAX MARKS: 70
ANSWER PART A & PART B IN SEPARATE ANSWER BOOKS

PART - B BIOCHEMISTRY 12-03-19 TUESDAY:
10.00 - 1.00 P.M Marks: 35 Marks (TIME: 1 1/2 HOUR)
Labelled Diagrams Wherever Necessary

11. Discuss [A] Bilirubin Metabolism with it's Clinical
Significance & [B] Classify Liver Function Tests 6 + 3 = 9 M

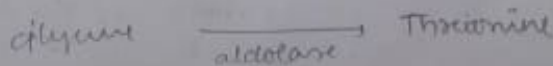
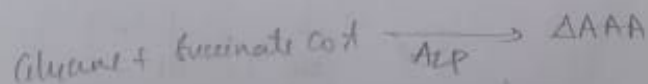
WRITE SHORT NOTES ON: 4 X 4 = 16 MARKS

12. Transamination & Urea Cycle
13. Two Reactions of Each [A] Active Methionine & [B] Glycine
14. Citric Acid Cycle with it's Significance
15. Chylomicron and HDL Metabolism

WRITE BRIEFLY ON 5 X 2 = 10 MARKS

16. Metabolic Fate of Cholesterol
17. β Oxidation of Fatty Acids
18. Clearance Tests
19. Body Buffers
20. Phenylketonuria & Alkaptonuria

def of tyrosine



MALLA REDDY INSTITUTE OF DENTAL SCIENCES

1st B.D.S, IInd INTERNAL EXAMINATION - 12th MARCH 2019

PHYSIOLOGY

Time : 1 $\frac{1}{2}$ Hours

Note : Answer all questions

Max. Marks : 35

Give diagrammatic representation wherever possible.

1. Describe the nuclei functions of Basal Ganglia. Add a note on Parkinson disease. (2+3+4 =9 Marks)

Write short answers :

(4X4=16 Marks)

2. Neural regulation of Respiration.
3. Visual Pathway.
4. Hypoxia.
5. Taste Pathway.

Write very short answers :

(2X5=10 Marks)

6. 2 tests of Hearing & types of deafness.
7. 4 differences between UMNL & LMNL.
8. Vital Capacity. *ERV+IRV+TV*
9. Anosmia. *- loss of smell*
10. Colour Blindness.

***** ALL THE BEST *****

S.V.S INSTITUTE OF DENTAL SCIENCES, MAHABUBNAGAR
DEPARTMENT OF DENTAL ANATOMY & ORAL HISTOLOGY

I-B.D.S (2019 JULY)

IInd INTERNAL EXAMINATION.

Answer to the point only.

Draw neat & labelled diagrams wherever necessary.

Duration: 3 hours

Max Marks: 70

Essays:

9 X 2 = 18 marks

1. Discuss the anatomy of Maxillary first premolar tooth. Add a note on arch traits of maxillary premolars.
2. Discuss in detail about Development, Classification, Morphology & Histology of Salivary glands.

Write Short Notes on the following:

4 X 8 = 32 marks.

3. Differences b/w Cellular & Acellular cementum.
4. Bone remodelling
5. Principal fibers of periodontal ligament
6. Write about occlusal anatomy of Mandibular 2nd premolar
7. Cementogenesis
8. Write about cells of periodontal ligament
9. Describe the functions of saliva
10. Write about enamel rods, rod sheath & Inter rod substances.

Answer in two or three sentences.

2X 10 = 20 marks.

11. Mylohyoid ridge
12. Bundle bone & Sharpey's fibers *half*
13. Sequence of eruption of primary & permanent teeth
14. Physical properties of enamel
15. Cingulum & Cusp
16. Cementoenamel junction
17. Anatomical crown vs Clinical crown
18. Embrasures & Contact points
19. Incremental lines of Salter
20. Anatomical repair vs Functional repair of cementum



Max G 1 2
Max C 1 2

INSTITUTE OF DENTAL SCIENCES
I.B.D.S IInd Internal EXAMINATION
BIOCHEMISTRY

TIME: 1½ hrs

Date: 15/03/2019

Max Marks: 35

ANSWER ALL QUESTIONS

1. Describe in detail the citric acid cycle. Add a note on its energetics

9M

(4 x 4 = 16 M)

Write short notes on: -

2. Functions of Vitamin-A ✓

3. Vitamin-C ✓

4. Beta oxidation of fatty acids ✓

5. Lipotropic factors

Write briefly on:

6. Significance of HMP shunt pathway

7. Important compounds derived from cholesterol

8. Name two Biotin dependent enzymes with reactions.

9. Galactosemia

10. Justify statement vitamin-D is a Hormone.

(5 x 2 = 10 M)

SVS INSTITUTE OF DENTAL SCIENCES, MBNR.
DEPARTMENT OF PHYSIOLOGY
1st YEAR BDS INTERNAL ASSESSMENT -II
PART-A PHYSIOLOGY (35 MARKS)

Date :15-03-2019.

Max.marks:35M

2+3+4=9M

I. Write Essay note on:

1. Define Blood pressure, SBP, DBP, Pulse pressure and MABP. Enumerate the factors determine the BP.

Add a note on short term regulation of BP. (10)

write short notes on:

2. Hypoxia.
3. Lung volumes & capacities.
4. Actions of Parathormone.
5. Thyroid hormone functions & abnormalities. (10)

4x4=16M

Hypoxia
Regulate
and not
chemical.

write briefly on:

6. Draw a labelled diagram of ECG.
7. Surfactant.
8. vasopressin.
9. Bradycardia.
10. Non Respiratory functions of Lungs.

5x2=10M

DCCP
Dimethyl chrysal / holoal

19
10M

regular for 4 branches multipolar
Name

SVS MEDICAL COLLEGE, MAHBUBNAGAR
DEPARTMENT OF ANATOMY
BDS 1ST YEAR 2018-19 BATCH
2ND INTERNAL ASSESSEMENT EXAMINATIONS – MARCH 2019
TIME: 3HRS
MAX. MARKS: 70M.

NOTE: Answer all questions.
Draw diagrams wherever necessary

I. ANSWER FOLLOING QUESTIONS. 2X9M=18M

1. Describe the temporo mandibular joint under following heads. (1+2+3+2+1)
A) bones forming b) articular disc c) relations d) movements e) applied
2. Describe the mandibular nerve under following heads. (1+2+2+4)
A) Origin b) course c) branches d) distribution

II. WRITE SHORT NOTES ON 8X4M=32M

3. Superior orbital fissure
4. Littles area
5. Cavernous sinus
6. Applied anatomy of facial nerve lesion
7. Otic ganglion
8. Derivatives of 2nd bronchial arch
9. Histology of hyaline cartilage
10. Digatric muscle

III. WRITE BRIEFLY ON 10X2M=20M

11. Blastocyst
12. Draw diagram of multipolar neuron
13. Mention 4 branches of maxillary artery
14. Jugular foramen
15. Name the muscles of soft palate
16. Name the extrinsic and intrinsic muscles of tongue
17. Name the extra ocular muscles
18. Name the paranasal air sinuses
19. Sub mandibular duct
20. Name the muscles of mastication

S. NIJALINGAPPA INSTITUTE OF DENTAL SCIENCES & RESEARCH, KALABURGI
DEPARTMENT OF ANATOMY
I BDS IIND INTERNAL ASSESMENT EXAMINATION MARCH-2018-19

Date: 01/03/2019

Max Marks: 50

Time: 2 Hours (10.00am to 12.00pm)

Instruction : 1) Answer in Serial order only.

2) Draw Diagrams wherever Necessary with pencils only.

3) Read Question Carefully & Answer to the Point.

Long Essays

1x10=10

1) Describe Parotid Gland under following headings.

a) Coverings. b) Presenting Parts and Relations.

c) Blood Supply & Nerve Supply. D) Applied Aspect.

Short Essays

6x5=30

2). Cavernous Sinus.

3). Extraocular Muscles.

4). Carotid Triangle.

5). Histology of Thymus.

6). Blood Supply of Thyroid Gland.

7). Layers & Applied aspect of Scalp.

Short Answers

5x2=10

8). Branches of Facial Nerve in Face.

9). Notochord.

10). Styloid Process.

11). Parts of Temporal Bone.

12). Derivatives of Ist Pharyngeal arch.

**"IN LIFE, NO ONE AND NOTHING WILL HELP YOU
UNTIL YOU START HELPING YOURSELF"**

Gr. O. C. R. I Bellary

28-02-11

IInd internal examination - Physiology

I - 10 M

1) What is blood pressure? What is its normal value? Write its regulation mechanism.

II - 5 M each

2) Draw a neat labelled diagram of JCA and functions

3) Write about the functions of liver

4) Neural regulation of respiration

III - 2 M each

5) Synovial

6) Bohr's effect

7) Heart sound

8) Movements of ^{small} intestine

9) GFR

II INTERNAL ASSESMENT
I YEAR BDS STUDENTS 2018-19 BATCH
HUMAN ANATOMY INCLUDING EMBRYOLOGY AND OSTEOLOGY

TIME :THREE HOURS

MAX MARKS:70 MARKS

Your answers should be specific to the question asked
Draw neat, labelled diagrams wherever necessary

I. LONG ESSAYS

2x10=20marks

1. Describe The Temporomandibular joint under following headings
 - a. Type of joint and articular surfaces
 - b. Ligaments
 - c. Relations
 - d. Movements and muscle responsible
 - e. Blood supply and nerve supply
 - f. Applied anatomy
2. Describe submandibular gland under following headings
 - a. Parts and relations
 - b. Nerve supply
 - c. Duct
 - d. Applied anatomy

II. SHORT ESSAYS

8X5=40marks

3. Classify Dural venous sinuses and Describe superior sagittal sinus
4. Pterygopalatine ganglion
5. Suboccipital triangle
6. Investing layer of deep cervical fascia
7. Ansa cervicalis
8. Lacrimal apparatus
9. Derivatives of pharyngeal arches
10. Sensory and motor Nerve supply of scalp

III. SHORT ANSWERS

5X2=10

11. Waldeyer's lymphatic ring
12. Buccinator
13. Erb's paralysis
14. Styloid apparatus
15. Foramen ovale

MEGHNA INSTITUTE OF DENTAL SCIENCES
Mallaram (V), Nizamabad.

SECOND INTERNAL ASSESSMENT EXAMINATION
SUB: **PHYSIOLOGY & BIO-CHEMISTRY**
FIRST YEAR BDS REGULAR STUDENTS

Time: 3 Hours

Date: 26.02.2019

Max. Marks: 70

Note: Write Part-A and Part-B separately, Answer All Questions. Draw diagrams Where ever required.

PART-A- PHYSIOLOGY – 35 MARKS

LONG ESSAY

(3+6=9)

1. Define Blood pressure. Describe briefly regulation of Blood pressure.

WRITE SHORT ANSWER:

4 x 4 = 16

2. Vital capacity
3. Hypoxia
4. Micturition reflexes
5. Functions of Saliva

WRITE BRIEFLY ON:

5 x 2 = 10

6. SA Node
7. Heart sounds
8. Respiratory centre
9. Threshold substances
10. Functions of Glomerulus.

PART-B- BIO-CHEMISTRY – 35 MARKS

LONG ESSAY

(1+5+2+1=9)

11. What is Urea. Describe the urea cycle and mention its inborn errors.
Normal level of Blood urea.

WRITE SHORT ANSWER:

4 x 4 = 16

12. Absorption, Transport and storage of iron.
13. Isoenzymes, give two examples and mention their clinical significance
14. Jaundice
15. Synthesis of thyroid hormone.

WRITE BRIEFLY ON:

5x 2 = 10

16. Transmethylation and give two examples
17. Substrate level phosphorylation
18. Biological functions of vitamin-C
19. Mention the conditions arising due to the deficiency and excess of fluoride in the body.
20. What is the normal blood calcium level. How it is regulated.

// BEST OF LUCK //

HUMAN ANATOMY INCLUDING EMBRYOLOGY, OSTEOLOGY AND HISTOLOGY

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

2 x 10 = 20 Marks

LONG ESSAYS

1. Describe the carotid triangle.
2. Describe the Posterior triangle.

8 x 5 = 40 Marks

SHORT ESSAYS

3. Ansa Cervical's
4. Hyaline cartilage (Microscopic structure)
5. Fertilization
6. Histology of serous salivary gland
7. Foramina magnum
8. Carotid sheath
9. Mylohyoid muscle
10. Decidua

5 x 2 = 10 Marks

SHORT ANSWERS

11. Morula
12. Branches of common carotid artery
13. Syncytio trophoblast
14. Draw and label microscopic structure of elastic cartilage
15. Parts of temporal bone.

HUMAN ANATOMY INCLUDING EMBRYOLOGY, OSTEOLOGY AND HISTOLOGY

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

2 x 10 = 20 Marks

LONG ESSAYS

1. Describe the carotid triangle.
2. Describe the Posterior triangle.

8 x 5 = 40 Marks

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3. Ansa Cervical's
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6. Histology of serous salivary gland
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5 x 2 = 10 Marks

SHORT ANSWERS

11. Morula
12. Branches of common carotid artery
13. Syncytio trophoblast
14. Draw and label microscopic structure of elastic cartilage
15. Parts of temporal bone.

HKDET'S DENTAL COLLEGE & HOSPITAL HUMNABAD
I BDS II INTERNAL ASSESMENT EXAMINATION 2018 BATCH

Max marks:70
Time : 3 hrs.

DADH

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS

2x10=20

1. Describe in detail the morphological anatomy of permanent Mx. 1st premolar.
2. Describe the hypocalcified structures of a enamel add a note on amelogenesis.

SHORT ESSAYS:

7X5=35

1. Bell stage
2. Zones and functions of pulp
3. Types of dentine
4. Occlusal aspect of Md. First pre molar
5. Histology of bone
6. Differences between maxillary and mandibular premolars.
7. Theories of dentin sensitivity

SHORT ANSWERS:

5x3=15

Stellate reticulum
Age changes in enamel
Bone remodeling
Enamel knot, Enamel cord, enamel niche
Denticles

Date : 15/02/2019
Max Marks: 70

Note: Your answer should be specific to the question asked. Answer all the questions. Write answers to a question in one place only. Draw diagrams where necessary.

PHYSIOLOGY

I) Long Essay

1x10= 10 Marks

1. Define blood pressure. Describe in detail about regulation of blood pressure.

II) Short Essays

3x5=15

1. Vital capacity
2. Composition and functions of salivary juice.
3. Hypoxia

III) Short Answers

5x 2= 10 Marks

1. Spread of cardiac impulse
2. Cyanosis
3. Waves of E.C.G.
4. Functions of stomach
5. 1st & 2nd heart sounds

BIOCHEMISTRY

I) Long Essay

1x10= 10 Marks

1. Write the sources, daily requirement, functions and deficiency manifestations of ascorbic acid.

II) Short Essay

3x 5= 15 Marks

2. Classify enzymes with examples in detail.
3. Describe the steps of TCA cycle.
4. Outline the formation and utilization of ketone bodies.

III) Short Answers

5x 2= 10 Marks

6. Name the factors which affect enzyme action
7. What are isoenzymes? Give examples.
8. Write the normal blood levels of (a) Glucose (b) Amylase.
9. Write the defective enzyme and clinical features of lactose intolerance.
10. Write the significance of HMP pathway.

MEGHNA INSTITUTE OF DENTAL SCIENCES
Mallaram (V), Varni Road, Nizamabad.

SECONDT INTERNAL ASSESSMENT EXAMINATION
FIRST YEAR BDS REGULAR BATCH
SUB: HUMAN ANATOMY INCL. EMBRYOLOGY & HISTOLOGY

Time:3 Hrs

Date:25.02.2019

Max.Marks:70

Note: Answer to All Questions compulsory. Draw well labeled Diagrams wherever necessary.

LONG ESSAYS:

2 x 9 = 18

1. Describe the mandibular nerve under the following headings.
 - a) Origin
 - b) Extra cranial course & relations
 - c) Branches
 - d) Applied aspects
2. Describe the lateral wall of nose under the following headings.
 - a) Bones forming
 - b) Structures in the wall
 - b) Nerve & Blood supply
 - d) Applied aspects

WRITE SHORT NOTES ON:

8 x 4 = 32

3. Write boundaries of infratemporal fossa
4. Constrictors of pharynx with origin, insertion & nerve supply
5. Lateral pterygoid muscle
6. Third part or pterygopalatine part of maxillary artery.
7. Microscopic structure of skeletal muscle
8. Nerve supply of tongue
9. Maxillary sinus.
10. Trigeminal neuralgia.

WRITE BRIEFLY ON:

10 x 2 = 20

11. Connections of ciliary ganglion
12. Structures passing through superior orbital fissure
13. Parotid duct
14. Name the cartilages of larynx
15. Structures in the lateral wall of cavernous sinus
16. Arterial supply of palatine tonsil
17. Articular disc of TM joint
18. Vocal cords
19. Effects of fertilization
20. Name the parts of lacrimal apparatus.

// ALL THE BEST //

II Theory Internal Assessment BDS(2018-19)

PART-A : PHYSIOLOGY

Date: 23.02.2019

Max.Marks:35

- 1) Define arterial blood pressure. Mention factors determining it. Add a note on short term regulation of arterial blood pressure.

(2+4+3) 9 Marks

Write short note on:

2) Control of salivary secretion.

4) Cardiac cycle.

3) Neural regulation of respiration.

5) Hypoxia.

(4x4) 16 Marks

Draw & Label :

6) Oxy-Hb dissociation curve.

7) Enterohepatic circulation.

8) ECG in lead II.

9) Lung volumes & capacities.

(5x2) 10 Marks

10) HCl secretion in parietal cell.

R
ICP secretion
IC → ICP + H⁺
H⁺ + H₂O → H₃O⁺



II INTERNAL ASSESSMENT BDS 2018-19 BATCH 21.2.2019

Answer all questions. Draw neat, labelled and coloured diagrams for every answer.

M.S. Moinik

MARKS -40
TIME -2 1/2 hrs.

ESSAY QUESTIONS

1. Describe origin, course, relations, branches and applied anatomy of Mandibular nerve $2+2+2+2+1$
2. Describe the type of joint, ligaments, relations, movements & muscles causing movements, applied anatomy of Temporo -mandibular joint. $1+2+2+3+1$

$2 \times 9 = 18$

$1+2+2+3+1$

Write briefly on following

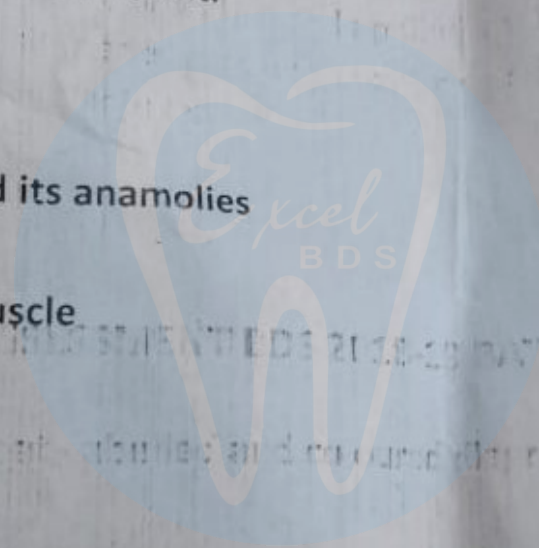
3. Histology of tongue
4. Development of palate and its anomalies
5. Lateral wall of nose
6. Relations of Hyoglossus muscle

$4 \times 3 = 12$

Write very short notes

7. Name cartilages of larynx
8. Branches of maxillary artery
9. Bells palsy
10. Lateral pterygoid muscle
11. Styloid apparatus

$5 \times 2 = 10m$



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BDS II INTERNAL THEORY EXAMINATION
DEPARTMENT OF BIOCHEMISTRY

Date: 23-02-2019

Time 1 ½ Hours

Max Marks 35

ANSWER ALL QUESTIONS

Essay question

9 Marks

11. Write about glycolysis and citric acid cycle. How TCA cycle is the common metabolic pathway for oxidation of food stuffs.

Write short notes on

4x4 = 16 Marks

12. Write about transmethylation and what are the important methylated products and their role in the body.
13. Write about the metabolism of ketone bodies.
14. Write about various metabolites synthesized from Tyrosine, mention the disorders of Tyrosine metabolism.
15. Mention the structure of hemoglobin and how does hemoglobin transport oxygen and carbondioxide.

Write brief notes on

5x2 = 10 Marks

16. Creatinine
17. Sickle cell anemia
18. Gout
19. Formation of deoxyribonucleotides from ribonucleotides
20. Lipoproteins

For - [unclear]
[unclear]

23.02.19

Answer all questions

Draw neat labeled diagrams wherever necessary

1) Describe the Origin, Course, Relations, Branches and Applied Anatomy of Mandibular nerve 9

2) Describe the Lateral wall of Nasal cavity under the headings –
a) Formation b) Features c) Blood supply and d) Nerve supply

Write a short notes on

8X4=32

- 3) Muscles of Soft palate
- 4) Submandibular ganglion
- 5) Development of Palate
- 6) Relations of Lateral lobe of Thyroid gland
- 7) Nasopharynx
- 8) Derivatives of Hyoid arch
- 9) Internal jugular vein
- 10) Microscopic structure of Liver

Write Briefly on

10X2=20

- 11) Features of Axis vertebra
- 12) Jugular foramen – structures passing
- 13) Little's area
- 14) Mention the branches of Subclavian artery
- 15) Styloid apparatus
- 16) Temporalis muscle
- 17) Diagram of microscopic structure of Trachea
- 18) Inferior alveolar artery
- 19) Infraorbital nerve
- 20) Circumvallate papillae

