Send-Up Exam Paper of 2nd Year MBBS

PAPER

Allowed 100 Minutes	Total Marks: 50
1. A 50 yrs. old mother of six children with history of difficult labor, presented to gynae O	PD with lower
abdominal & back pain. On examination the doctor gave diagnosis of prolapse of uterus	
Discuss the supports of this organ	(3.5)
Enlist the coverings of the direct inguinal hernia, trace them to corresponding layer	s of anterior
abdominal wall	(1.5)
2. A 70-year-old male with long standing history of gastric ulcers presented with loss of a	ppetite, extensive
weight loss & upper abdominal pain. On endoscopy, a diagnosis of gastric carcinoma v	vas made.
Where can the tumor spread through the lymphatics? Explain the lymphatic drains	age of stomach to
	(3.5)
support your answer	(1.5)
b) Give the boundaries of Epiploic foramen	(3)
3. a) Draw and label the relations of right kidney.	(2)
 b) Write down the arterial supply of pancreas. A patient came in OPD with history of chronic infection of middle ear. He complains of 	f loss of taste
4. A patient came in OPD with history of chronic infection of induce can be depressed by depress of eyes.	
sensation of anterior 2/3rd of tongue, hyperacusis & dryness of eyes;	(3.5)
Which cranial nerve is involved & explain the anatomical basis of these symptoms	t. (1.5)
Which cranial nerve is involved & explain of annual name the structures enclosed by in Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures enclosed by its Mention the attachment of pretracheal fascia and name the structures are attachment of pretracheal fascia and name the structures are attachment of the structure and the struc	(2)
Name the muscles responsible for intersion of eyeban with the	(3)
b) Give the course & branches of Maxillary artery A 60 years old female patient presented to emergency department with sudden weakness.	ss of left half of
14 famels nationt presented to emergency department	
	(4)
the she smoot involved in this lesion from origin in	(1)
the muclai of trigerninal nerve in the Diamstern	(2)
Enumerate the main afferent cerebellar pathways.	(3)
a) Draw & label a section of Midbrain at the level of superior colliculus a) Draw & label a section of Midbrain at the level of superior colliculus a) Draw & label a section of Midbrain at the level of superior colliculus	pes of Salivary glands.
Draw & label a section of Midbrain at the level of superior confections Compare & contrast with the help of diagram, the histological features of different ty	(5)
77	(5)

(5)

Give a detailed account of development of testis

18. Give the embryogenesis of Metanephric kidney

AZRA NAHEED MEDICAL COLLEGE LATIORE

2ND YEAR MBBS 2021-2022

SEND UP EXAM

SEQs (SHORT EASSY TYPE QUESTIONS) ATTEMPT ALL QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.

(3)

(2)

(2)

(1)

(1) (1)

(3)

(2)

(2

(1

(2

(1

(1

DATED: 26.10.22 MARKS= 50 Q1. A Name the different stages of swallowing. Explain the series of events which take place during pharyngeal (3) B) What is "Gut Brain" What are its components? Compare & contrast the functions of its components? (2) Q2A). In uncontrolled Diabetes mellitus Glucose begins to appear in urine. Draw a Graph to explain the mutual polationship between plasma glucose concentration& Glucose filtered Load, reabsorption or excretion of glucose. (3) (1) Define renal threshold & Transport maximum, give their values for Glucose reabsorption. 8). Define& give formula to calculate the Tubular load. Q Describe the role of distal convoluted tubules and collecting ducts of kidney in regulating the By If the arterial blood sample reveals values of pH =7.3 Plasma HCO3 Cone =12mEq/L, & Plasma PCO₂ = 25mmHg, what will be your diagnosis, explain? Q4. Thraw & explain the different phases of endometrial cycle along with the hormonal changes. young female who was married 4 years back but still had no child, she told to doctor that her menstrual cycles are normal, the doctor is suspecting absence of ovulation. In your opinion, 1) What methods will be advised by the doctor to check whether she is having ovulatory cycles? Give brief account of LH surge. Define blood Testicular Barrier & give its functions. Q5.N/Child was trying to open the 5-cc disposable syringe, suddenly needle was stuck into his skin, he immediately felt sharp pain followed by dull pain sensation. Trace the complete pathway from skin to cerebral cortex, of these two types of pain sensations. Define analgesia system & mention its components. Qo. Foraw Pyramidal tract pathway & enumerate its functions. Write down the Motor areas of cerebral cortex. Compare & contrast the features of Upper Motor Neuron and Lower Motor Neuron lesion. Q7A). 40 years old patient came to physician. On questioning patient told he sleeps 6- 8 hours but is not restful sleep. EEG showed mostly Beta waves in abundance. Which type of sleep is indicated by EEG tracing? What change in EEG will be observed during different stages of Sleep? By Enlist different types of EEG waves with their characteristics. Q8 Describe all types of error of refraction along with correction of each. Define Accommodation. Discuss neural pathway of "Accommodation reflex". Q9. (A) Write down the steps in synthesis of thyroid hormone. ByBriefly mention the pathophysiology and important features of Graves' disease. compare the dwarfism due to hypopituitarism with that due to cretinism. Q10. A middle age person is taking Glucocorticoids for the last two years for rheumatoid arthritis. now he has Developed hypertension, Hyperglycemia &he is having moon shaped face, buffalo torso, Central obesity Name the condition he is suffering from? Give the physiological basis of developing Hyperglycemia & Hypertension in this condition. iii) Give the actions of Glucocorticoids on protein metabolism in different tissues of body. Compare & Contrast the pituitary D;M with pancreatic & adrenal D;M.

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2nd PROFESSIONAL MBBS **ANNUAL EXAMINATION 2022**

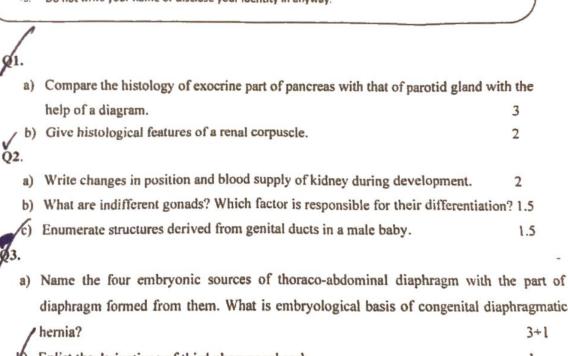
Anatomy (SEO's



Time Allowed: 2HOURS

Instructions

- Attempt all questions. All question carry equal marks.
- The SEQ's part is to be submitted within 2 hours, Extra time will not be given.
- Neat Handwriting use of margin and marker for headlines will increase the presentation of your paper.
- Do not write your name or disclose your identity in anyway.



diaphragm formed from them. What is embryological basis of congenital diaphragmatic

3+1

Enlist the derivatives of third pharyngeal arch

1

Q4. Draw & label transverse section of spinal cord at the mid-cervical level showing the general arrangement of the ascending & descending tracts. 5

A 40-year-old man presented in emergency department with severe epigastric pain, ve	omiting
and abdominal distension, and signs of peritonitis were demonstrable. On laparotomy perf	
was found on the first part of duodenum.	
What structures are closely related to superior part of duodenum that can be erod	led in
this condition?	1
Mention the principal relations of second part of duodenum.	3
Name the peritoneal recesses of duodenum.	1
A gynecologist gives an anesthesia to the patient while performing normal vaginal del	ivery
to relieve perineal pain.	
a) Give the origin, branches and distribution of the nerve to be anaesthetized.	3
b) write boundaries of ischioanal (ischiorectal) fossa?	2
Q#.	
 a) Give the boundaries and communications of fourth ventricle. 	4
 b) Define hydrocephalus. Give its types. 	1
08. A 50-year-old overweight woman came to the doctor complaining of hoarseness of vo	oice
and noisy breathing. She also had an irregular mass in the anterior aspect of lower part of	neck,
which deviated traches to the right.	
a) What is the diagnosis? Name the structure involved & cause of hoarseness of voic	e.
	1+1.5
b) Write the blood supply of structure.	2.5
9. Following surgery for cancer of submandibular gland, an old male presented with loss	of
general sensations in anterior part of tongue.	
a) Give the nerve supply of tongue.	3
b) With the help of a diagram show the cutaneous nerves of face.	2

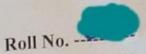


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2nd PROFESSIONAL MBBS ANNUAL EXAMINATION 2022



(SEQ's)



Total Marks: 45

Γime Allowed: 2 hours

Instructions

- The SEQ's part is to be submitted within 2 hours, Extra time will not be given
- 2. Neat Hand Writing use of margin and marker for headlines will increase the presentation of your paper.
- Do not write your name or disclose your identity in anyway.

Q1. A young boy came to doctor with complaint of pain associated with eating the pain become worse on emprelieved by taking food. On examination the patient reports to deep palpation.	oty stomach & is
On investigation gastrin secreting tumor is diagnosed, as eastrin level is found to be increased. Endoscopy reve	als ulcerated lesion in
What cells are stimulated to secrete gastrin?	(1.5)
B) What are functions of Gastrin?	(2.5)
'C) How HCL is secreted by gastric cells?	700
	(1)
Q2M Draw & label the glomerular capillary membrane.	(2)
By Define GFR & give formula & also Calculate the Net filtration pressure. C Describe Tubuloglomerular feedback mechanism for regulating GFR	(2)
	(3)
Q3. Write down the different phases of endometrial cycle along with the hormonal Changes.	(2)
Give comparison between functions of estrogen & progesterone.	X-4.
A leastwating pain on one side	
Q4. A middle aged male presented to medical outdoor with lancinating pain on one side	
of face. It sets off when he swallows bolds of took 1	
Loss over the fore head.	(2)
What is the diagnosis & cause of this condition? What is the diagnosis & cause of this condition? By Describe dual pain pathway along with the pain receptor and nerve fiber involved.	(3)
Describe dual pain painway along want to pain	7272
Q5. Compare & Contrast the features of Upper motor neurons & Lower motor neuron Lesion.	(2.5)
O5. Compare & Contrast the leatines of Opper Mice. By Draw Pyramidal tract & Enumerate its functions.	(2.5)
Q6. Write down the physiological division of cerebellum, along with their functions	(2.5)
Of Write down the physiological division of the control of the con	(2.5)
	-
Q7. Discuss important speech center in brain & describe their functions.	(3)
Dy Colma 20 years old has speech problem, she can read	(2)
Lie to understand the meaning of ICad Words	
What type of speech abnormality she is having?	
Mhich speech area is damaged?	
Q8. WBomb blast occurred in the vicinity of house, woman present in home started feeling that her hearing the started feeling that her hearing revealed no auditory damage.	ng
the state of the s	
what is the mechanism which protect the ear from damage to loud sound?	(3)
what is the mechanism which protect the car hold and the state of the	(2)
09. Enumerate all the physiological functions & describe Carbohydrate metabolism of Growth Hormon	ne (2)
and the second come to OPI with the complaints of Lower law producing our come	
than the normal. On examination Liver was enlarged. Fasting blood sugar level was high (.more than 120n	ng%)
than the normal. On examination Liver was enlarged, rasting blood sugar level was inger-	(2)
What is most probable diagnosis?	(1)
if) What is Pathophysiology of disease?	



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1" PROFESSIONAL MBBS ANNUAL EXAMINATION 2022 Biochemistry (SEQ's)

Roll No. MBBS

Total Marks: 37.5

Time Allowed: 2 Hours

Instructions

- 1. Attempt all questions
- All question carry equal marks.
- The SEQ's part is to be submitted within 2 hours, Extra time will not be given.
- Neat Handwriting use of margin and marker for headlines will increase the presentation of your paper.
- Do not write your name or disclose your identity in anyway.

QUESTION 1

a. Give chemistry and important functions of phosphatidylinositol. b. What are trans-fats? Give their sources and health effects. c. Define elcosanoids and give examples? What are they derived from? 1.5

QUESTION 2

- a. Define disaccharides. Give three examples with their component sugars and glycosidic linkage?
- b. A 33-year-old man developed flatulence, diarrhea, abdominal distension and bloating after eating a large bowl of ice-cream. He has experienced similar episodes previously after taking dairy products. What is the probable diagnosis? Give the biochemical reasons for his symptoms. How can this condition be freated?

QUESTION 3

- a. An 89-year-old man presented with increasing forgetfulness and loss of memory. He was suspected of having Alzheimer's disease. State the biochemical mechanisms related to protein structure and function that may lead to Alzheimer's disease.
- b. Give the principle biologic function of haptoglobin. What is the biochemical explanation for low plasma levels of haptoglobin seen in patients with hemolytic anemias?

QUESTION 4

- a. Give the clinical significance of determination of plasma activities of the following enzymes:
 - ii. Acid Phosphatasa
 - i. Aspartate Aminotransferase (AST) iv. y-glutamyl Transpeptidase (yGT) iii. α-Amylase
- vi. Aldolase v. Alkaline Phosphatase (ALP)
- b. How does covalent modification of enzyme molecules influence the enzyme activity? Explain with examples.

2.5

QUESTION 5

a. A patient with severe chronic liver disease developed semi-comatose state due to hyperammonemia. His gut was kept sterilized by the use of none-absorbable antibiotics to eliminate ammonia production by intestinal microbiota. His level of consciousness improved over time but his bleeding time became prolonged. i. Which vitamin is likely to have become deficient and why? ii. Why was the bleeding time prolonged? Give the mechanism for the biochemical action of the deficient vitamin. b. Give the sources and biochemical functions of the following minerals: i. Calcium ii. Zinc c. Outline the biochemical mechanism for development of peripheral neuropathy caused by vitamin B12 deficiency. 1.5 UESTION 6. a. Describe the structure of adult hemoglobin. Differentiate between hemoglobin S, hemoglobin C and hemoglobin SC diseases. 2.5 b. Give the salient features of the different structural forms of DNA? How can the two DNA strands be separated? Define melting temperature of DNA. 2.5 QUESTION 7 a. Tabulate clinical and biochemical differences between Marasmus and Kwashiorkor. 3 b. Write down Henderson-Hasselbalch equation and list its applications.

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Time Allowed: 2HOURS

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2nd PROFESSIONAL MBBS ANNUAL EXAMINATION 2022 Biochemistry

(SEQ's)

Roll No.

Total Marks: 37.5

Instructions

- 1. Attempt all questions.
- 2. All question carry equal marks.
- 3. The SEQ's part is to be submitted within 2 hours, Extra time will not be given.
- Neat Handwriting use of margin and marker for headlines will increase the presentation of your paper.
- Do not write your name or disclose your identity in anyway.

01.

- a) Enumerate the proteases present in various GIT juices along with respective source organs.
- b) Name the inhibitors of oxidative phosphorylation. 2.5

QZ.

a) A six-year-old male child apparently normal at birth now shows spastic movement of limbs and mental retardation. Blood chemistry reveals elevated uric acid. History revealed that the child has compulsive urge to bite his lips and fingers.

i.	What is the most likely diagnosis.	0.5
ii.	Name the defective enzyme in this disease.	0.5
iii.	Write down the reaction catalyzed by this enzyme.	2
b) Write	e five causes of respiratory acidosis.	25

Q3.

- a) A three-year-old boy is presented with peurological disturbances, lactic acidosis and seizures. He was diagnosed as having pyruvate dehydrogenase complex deficiency.
 - i. How lactic acidosis occurs in this metabolic defect. 1.5
 - ii. Why neurological disturbances occur. 1.5
- b) Explain essential fructosuria and hereditary fructose intolerance. 2.5

Q4.

- a) Write extra mitochondrial steps of urea synthesis.
- b) Explain maple syrup urine disease. 3

	a)	How long chain fatty acids are transported in the mitochondria?	3
	b)	Enlist ketone bodies. Which one of them gives fruity smell to breath in	patients with
		diabetic ketoacidosis.	2.5
Q6.			
	a)	A 48-year-old man diagnosed as xeroderma pigmentosum.	3
		i. What is the mode of inheritance	- 10
		ii. Name the deficient enzyme.	
		iii. Name the biochemical lesions resulting due to ultraviolet ra	vs.
	b)	Define the term 'Restriction Site' and 'Recombinant DNA Molecules'.	2
Q7.			
10-11/AL			
	a) l	How hormones of adrenal medulla are synthesized.	3
	b) \	What is VMA and its diagnostic value	2

THE SUPERIOR UNIVERITY, LAHORE



2nd Year MBBS

ANNUAL EXAMINATION 2021

ISLAMIC / PAK STUDIES



Time Allowed: 3 hours

Total Marks: 100

Instructions

- The SEQ's part is to be submitted within 3 hours, Extra time will not be given.
- 2. Neat Hand Writing use of margin and marker for headlines will increase the presentation of your paper.
- Do not write your name or disclose your identity in anyway.

Islamic Studies

Pak Studies

Note: Attempt any two questions. All questions carry equal marks.

40

- Q.1- Write a detail note on Early problems of Pakistan.
- پاکستان کی ابتدائی مشکلات پر نوث لکھیں۔
- Q.2- What is the importance of constitution for a country. Write down few lines on constitutional history of Pakistan. And also write down the Islamic provisions' of 1973 constitution.

آئین کی کیا اہمیت ہے چاکستان کی آئینی تاریخ پر چند سطور تحریر کریں. 1973 کے آئین میں موجود اسلامی دفعات تحریر کریں.

Q.3- Write down the concept of civilization. Also write down the detail note on Indus River civilization.