

GIT & Renal Physiology- MCQs

Department of Physiology

SECTION A MCQs

Time 10 minutes (9.00 am to 9.10 am)

Marks 10

* Required

Email address *

Your email

Name *

Your answer

Roll number *

Your answer

Date of assessment *

Date

dd/mm/yyyy



Q.1 Which of the following is the most important physiologic choleretic? * 1 point

- Bile acids
- CCK-Pz
- Entry of acidic chyme in duodenum
- Secretin

Q.2 In infants, defecation often follows the meals. What is the cause for this increased colonic contractions after meals? * 1 point

- Increased circulating levels of CCK
- Increased levels of somatostatin
- Enterogastric reflex
- Gastrocolic reflex

Q.3 Maximum amount of saliva is secreted by * 1 point

- Parotid gland
- Submaxillary gland
- Sublingual gland
- All glands contribute equally



Q.4 Decrease in which of the following would be expected in congenital absence of enterokinase? * 1 point

- Incidence of pancreatitis
- Glucose absorption
- Fat digestion
- Protein assimilation

Q.5 Gastric emptying time is highest for * 1 point

- Carbohydrate rich diet
- Protein rich diet
- Fat rich diet
- Balanced diet

Q.6 Transport maximum for glucose in males is --mg/min * 1 point

- 180
- 220
- 300
- 375



Q.7 Which of the following is the principal buffer in interstitial fluid? *

1 point

- Bicarbonates
- Plasma proteins
- Phosphates
- Ammonia

Q.8 Dehydration increases plasma concentration of all the hormones EXCEPT *

1 point

- Vasopressin
- Atrial natriuretic peptide
- Aldosterone
- Norepinephrine

Q.9 If clearance of a substance which is freely filtered is less than inulin, *

1 point

- substance is neither reabsorbed nor secreted
- there is net reabsorption of substance in the tubule
- there is net secretion of substance in the tubule
- substance becomes bound to proteins in the renal tubule



Q.10 Obligatory water absorption occurs in *

1 point

- Proximal convoluted tubule
- Loop of Henle
- Distal convoluted tubule
- Cortical collecting duct

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GIT & RENAL TEST - ESSAY QUESTION

Total time is 40 minutes, 30 minutes for writing and 10 minutes for uploading.

Instructions

1. Write your name & roll number on the answer paper
2. Mention proper question number and write related answers on the answer paper
3. After finishing your answer, take photo of answer papers (preferably with cam scanner. Advantage of cam scanner is that all your pages will be in the form of single PDF file. Also file size will be less. So it will take less time to upload.)
4. For uploading the file, click on the upload icon. Click on "Select from your device"
5. Select explorer & then cam scanner if you have taken photo with cam scanner or gallery if photo is taken by phone camera.
6. Select your file/s & click upload
7. Your file size should not exceed 100 MB

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* Required

Email address *

Your email

Name of student *

Your answer

Roll number of student *

Your answer



1. Define GFR, Give the normal value. Explain in detail the various factors regulating GFR. Explain in detail measurement of GFR. * 15 points

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GIT & RENAL SHORT NOTES

Total time is 40 minutes, 30 minutes for writing and 10 minutes for uploading.

Instructions

1. Write your name & roll number on the answer paper
2. Mention proper question number and write related answers on the answer paper
3. After finishing all short notes, take photo of answer papers (preferably with cam scanner. Advantage of cam scanner is that all your pages will be in the form of single PDF file. Also file size will be less. So it will take less time to upload.)
4. For uploading the file, click on the upload icon. Click on "Select from your device"
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* Required

Email address *

Your email

Name of student *

Your answer

Roll number of student *

Your answer



Q.2 A sales representative presented to a physician with complaints of pain in the epigastrium. He gets up in the night with severe pain and pain was relieved after food intake. He has a stressful job and most of the time he consumes food from hotels. He is also a smoker and alcoholic. A) Give your diagnosis. B) What is the physiological basis of the disease? C) Explain in detail the role of parietal cell in inducing this condition and what is the mechanism of its action and its regulation. 5 points

- Attempted
- Not attempted

3. A 45 year old male presented with complaints of severe and sharp pain in the epigastrium radiating to the back. The pain was excruciating and it was associated with vomiting. His serum amylase & lipase levels were elevated. He is a known alcoholic and had no history of abdominal trauma. A) What is your diagnosis? B) Name the enzymes present in the secretion from the organ involved in the disease and write their functions. C) Explain how this secretion is regulated? 5 points

- Attempted
- Not attempted

4. Explain the mechanism of deglutition with a neat diagram 5 points

- Attempted
- Not attempted

Upload your file here * 15 points

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RENAL & GIT SHORT ANSWERS

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Instructions

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2. Mention proper question number and write related answers on the answer paper
3. After finishing all short answers, take photo of answer papers (preferably with cam scanner. Advantage of cam scanner is that all your pages will be in the form of single PDF file. Also file size will be less. So it will take less time to upload.)
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* Required

Email address *

Your email

Name of student *

Your answer

Roll number of student *

Your answer



Q.5. Micturition reflex

- Attempted
- Not attempted

Q.6. Functions of bile

- Attempted
- Not Attempted

Q.7 What are diuretics? Name two diuretics and write their mechanisms of actions.

- Attempted
- Not Attempted

Q. 8. Movements of small intestine.

- Attempted
- Not Attempted

Q. 9. Counter-current exchanger.

- Attempted
- Not Attempted



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10 points

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