

Revision questions

Lower Gastrointestinal physiology

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Questions 1

- a) Describe the main motility patterns observed in the small intestine during fasting period and after meal
- b) Briefly outline the digestion and absorption of following nutrients
 - I. Lactose
 - II. Lipids
- c) Outline the complications of maldigestion and malabsorption of following nutrients
 - I. Lactose
 - II. fat

Question 2

Observe the gastrointestinal motility patterns shown in this video

- a) Identify the part of the gastrointestinal tract shown.
- b) List two motility patterns shown in this video.
- c) State one function each of the motility patterns mentioned in question b).



Question 3

- a) Describe the defecation reflex
- b) Describe the mechanism of voluntary defecation
- c) Outline the changes you expect in defecation in following conditions
 - I. Spinal cord transaction at L2 spinal segment
 - II. Spinal cord transaction at S2-4 spinal segment

Question 4

This is a anorectal manometry tracing of a normal individual, recorded during activation of defecation reflex

- a) From A, B and C, identify the pressure recordings of
 - I. Internal anal sphincter
 - II. External anal sphincter
- b) Mention a change you expect in tracing B in an individual with spinal cord transaction at S2-4 segments
- c) Mention a change you expect in tracing C in an individual with spinal cord transaction at L1 segment

