QUESTION

1. In a tabular form only, compare and contrast the sections of the gastrointestinal tract.

ANSWER

|  |  |  |  |
| --- | --- | --- | --- |
| **Parts of the GIT** | **Type of epithelium** | **Main cell types of epithelium** | **Other distinctive features** |
| Mouth and tongue | Stratified squamous | Squamous cells  Serous cells  Mucous cells | Tongue has special papillae:fungiform,circumvallate and filliform |
| Esophagus | Stratified squamous | Squamous cells | Submucosal glands |
| Body/fundus of stomach | Glandular columnar-straight tubular | Surface mucous cells  Parietal cells  Chief peptic cells | Lymphoid cells with no lymphoid aggregates |
| Pylorus and cardia of stomach | Glandular columnar-coiled branched tubular | Mucous cells  Occasional parietal cells | Lymphoid cells with no lymphoid aggregates |
| Duodenum | Glandular-columnar with villi and crypts of liberkuhn | Enterocyte with microvilli  Goblet cells | Brunner’s gland  Plicae circularis(distal duodenum) |
| Jejenum and ileum | Glandular-columnar with villi and crypts of liberkuhn | Goblet cells  Paneth cells | Peyer’s patches become more prominent distally  Plicae circularis |
| Colon and rectum | Glandular-straight crypts | Absorptive cells  Goblet cells | Prominent lymphoid tissue |