Digestive system of human & nutrition

1. **Paneth cells** are present in **crypts of Lieberkuhn**.[IE 2013]
2. **Bruner's gland** is related to digestive system.[MOE 2070]
3. **Micelles** are the bodies related to absorption of fat. [MOE 2069]
4. Movement of circular muscles in stomach is called **peristalsis**. [MOE 2010] [MOE 2054].
5. **Bruner's gland** in the mammalian gut are present in the **submucosa of duodenal wall**.[MOE 2010]
6. The chylomicron during digestion of fat contains **glycerol, fatty acid & lipoprotein**. [MOE 2008][IOM 2008]
7. **Sphincter** is **not present** between **mouth and oesophagus**.[MOE 2002]
8. The end product of butter to be absorbed by the body is glycerol & fatty acid. [MOE 2055]
9. The no of **salivary glands in rabbit** is **4 pairs**. [MOE 2053]
10. Dental formula for permanent teeth is **2123/2123**. [BP2012]
11. **Water** is mainly **absorbed** from **small intestine**. [BP 2012]

12. **Wharton's gland** is **sub mandibular**. [BP 2012]
13. The **sodium absorption** in intestine is mainly by the process of **active transport**. [BP 2012. IOM 1996]
14. Small peptides are absorbed and digested to free amino acid in small intestine. [BP 2003]
15. **Aluminum salts** cause **constipation**. [BP 2012]
16. The human **vermiform appendix** is an extension of caecum. [BP 2003]
17. **Lacteals** which are related to rat absorption are found in villi. [BP 2000]
18. Dental formula of **12 years** old kid is **2122**. (BP 2000)
19. The largest variety of digestive enzymes is found in omnivores. [BP 1999]
20. Ileum is related to digestive system. [BP 2001]
    Note: Don't be confused with '**Ilium'** it is the part of hip bone.
21. Fatty acids are absorbed in ileum. [BP 2006]
22. A very good power of **regeneration** is found in **liver**. [BP 2007]
23. **Sweet taste** areas in humans are located in **tip** of the tongue. [PAHS 2018]
24. Deficiency of protein causes **Kwashiorkor**. [PAHS 2017]

25. **Vitamin K** is essential for **blood coagulation**. [PAHS 2018]
26. Water soluble Vitamin is B. [BP 2004, PAHS 2018]
27. **Vit B_{12}** contains **Cobalt**. [BP2011]
    Note: Vit B_{12} is also called **Cyanocobalamin**.
28. Nitrogen & sulphur containing vitamins is **Thiamine**. [BP 2011]
29. **Omega 3 fatty acid** is found in **Salmon oil**. [KU 2016] [KU 2015]
30. Vit. A is synthesized inside the body in liver. [IOM 2017]
31. **Hookworm** infection causes **Iron deficiency**. [IOM 2016]
32. Deficiency of nicotinic acid causes **pellagra**. [IOM 2015]
    Note: Pellagra is characterized by the triad of **Diarrhoea**, **dementia** and **dermatitis**.(@ 3D)
33. Pellagra is a 3D disease. [IOM 2003]
34. Alcohol absorption takes place in **Stomach** [IOM 2003]
35. **Vitamin E** is related with **sexual activity**. [IOM 2003]
36. Bleeding disorder is due to deficiency of vit. K [IOM 1999, 2002]

37. Cataract is the most common cause of blindness in Nepal. [IOM 1999]
38. Cod liver oil is richest source of vitamin A. [IOM 1998, BP 2010]
39. The commonest preventable cause of blindness in Nepal is vit. A deficiency. [IOM 1997]
40. Vitamin A is maximum in chapatti. [IOM 1994]
41. Honey comb like structure in the stomach of ruminant is reticulum. [KU 2018]
42. Bile product is released in duodenum. [KU 2018]
43. **Zymogen cells** of stomach produce **pepsinogen**. [IOM 2018]
44. No. of teeth in each half of lower jaw of rabbit is 6. [IOM 2017]
45. **Payer's patches** produce **lymphocytes**. [IOM 2017] [IOM 2068]

    Note: Typhoid mainly affects the Payer's patches (found in ileum of small intestine).
46. The E. coli is easily extracted from human excreta. [IOM 2017]
47. Pancreatic secretion is secreted by **Secretin**. [IOM 2016]
48. Semi digested food entering into the duodenum is called **chyme**. [IOM 2016]
49. **Infraorbital gland;** salivary gland present in rabbit is absent in human beings. [IOM 2016]

50. Taste buds for **bitter taste** are found in our tongue at **posterior part**. [IOM 2015]
51. Pancreatic juice contains **trypsin, lipase, amylase**. [IOM 2015]
52. Maximum absorption of nutrients takes place in ileum. [IOM 2068]
53. The chylomicrons in fat absorption are comprised of fatty acids, monoglycerides and lipoprotein. [IOM 2008]
54. Site of bilirubin production is **liver**. [IOM 2007]
55. No of milk teeth is **20**. [IOM 2005]
56. Protein degradation is not a function of liver. [IOM 205]
57. **Iron** is absorbed from **duodenum**. [IOM 2004]
    Note: Vitamin C, Iron are mainly absorbed from duodenum. @**CID**
58. Most of the drugs are metabolized in **liver**. [IOM 2003]
59. Last molar is non functional in human. [IOM 2003]
60. Ileum is not a part of large gut. [IOM 2002]
61. Enzyme **amylase** is found in **saliva**. [IOM 2000]
62. Rabbit is **coprophagus** (eating own feces) [IOM 2017]
63. The feces of rabbit is dark brown or black and moist during night and yellow brown and dry

during day time because cellulose does not digest completely and so the faces are reingested. [IOM 1999]

64. No. of lobes present in the liver of rabbit is 5. [IOM 1996]
65. In herbivores, cellulose is digested in **caecum**. [IOM 1995]
66. **Entamoeba coli** is found in the colon of man. [IOM 1995]
67. **Salivary juice** is **slightly acidic**. [IOM 1995]
68. On either side of tongue, there are taste buds for sensation of sour taste. [IOM 1994]
69. **Enamel** is the hardest substance in human body. [IO 1993, 2008]
70. In the desert, camel can store extra water in rumen. [IOM 1993]
71. Salivary amylase is absent in carnivores. [IOM 2012]
72. Fundic part is not found in frog stomach. [IOM 2012]
73. Denitition in frog is **homodont**. [IOM 2004]
74. Mammalian embryo has **parasitic mode of nutrition**. [IOM 2002]
75. Rectum is known as reservoir of stool. [IOM 1997]

76. Cellulose is not digested in human body. [IOM 1994, 1995]
77. Most fat digestion occurs in ileum. [IOM 1996]
78. Peristalsis occur in does not occur in aorta. [IOM 1995]
79. The simplest form of fat digestion is monolipid. [IOM 1994]
80. **Tonsil** is a lymphoid tissue. [IOM 1992]
81. Liver of frog consists of 3 lobes. [IOM 2006]
82. **Jaundice** is caused by excessive level of **bilirubin** in the body. [IOM 2004]
83. There are 10 amino acids essential for children. [IOM 1997]
84. Beriberi is prevented by eating unpolished rice. [IOM 1997]
85. Richest source of iron is spinach. [IOM 1995]
86. **Serine** is non essential amino acid. [IOM 1995]
87. Water soluble vitamins are B,C. [IOM 1995]
88. Vit. B_{12} deficiency causes **megaloblastic anaemia**. [IOM 1997]
89. The blood leaving from liver and heading towards heart has maximum content of **urea**. [KU 2016]
90. Secretion of insulin is not a function of liver. [KU 2017]

    Note: Insulin is secreted by beta cells of pancreas.

91. **Pyloric sphincter** is present between stomach & duodenum. [KU 2015]
    Note: Cardiac sphincter / Lower esophageal sphincter is present between the esophagus and stomach.
92. **Bile** is stored in **gall bladder**. [KU 2003/ 2009]
93. **Rennin** acts upon proteins. [KU 2003]
    Note: Don't be confused with '**Renin**' which is a hormone secreted by **Juxtaglomerular cells** of **kidney**.
94. HCl is secreted by **oxyntic cells**. [KU 2010]
    Note: Parietal cell is also called as **Oxyntic cell**.
95. Emulsification is seen in fays. [KU 2010]
96. Enzyme found in saliva is **ptylin**. [KU 2001]
97. Formation of glycogen from glucose is **glycogenesis**. [KU 2001]
    Note: While formation of glucose from glycogen is **glycogenolysis**.
98. pH value of saliva; **5.5-7.5 [**KU 2001]
99. **Succus entericus** is secreted by **Crypts of liberkuhn**. [IOM 2014]
100. **Pancreatic juice** contains trypsin, lipase and amylase. [IOM 2015]
101. **Scurvy** and **bleeding of gums** is due to deficiency of **Vitamin C**. [BP 2016]

102. **Pernicious anemia** is caused due to the deficiency of **Cyanocobalamine**. [IOM 2014]