7. COORDINATION IN LIFE PROCESS

1. 3:2:1:2 the ratio of our dentition. Here 1 Represents				
2. Large protein molecule are broken down in of digestive track				
3is the strong acid which is secreted during digestion				
4. Olfactory receptors present in trigger signals to brain				
5. P _H of saliva is in nature				
6. Fill in the blanks with suitable words given below				
Fluctuations of hormone (i) levels results in sensation of hunger				
and motivation of consuming food. When you feel your stomach is full and				
there is no need of food any more. Another hormone (ii) that gets				
secreted suppresses hunger. When we take food into the mouth it has to be				
chewed thoroughly. For this purpose the (iii) Muscles help in chewing				
actions, while the (iv) muscles of the Jaw moves the Jaw up, down,				
forward and backward during food mastication . The (v) nerve controls				
the muscles of the jaw under the action of (vi) nervous system saliva				
are released by the salivary glands moistens the food to make chewing and				
swallowing easier. The salivary (vii) in the saliva breaks down the				
starch into sugar. As a result of chewing the food is transported into the				
oesophagus by the action of swallowing which is coordinated by the				
swallowing centre in the (viii) and the (ix) the tongue which is				
gustatory recognizes the taste and (x) nerve plays an important role in				
sensation of taste.				

Choose the right ones

- (i)Leptin, Ghrelin, Gastrin, Secretin
- (ii)Ghrelin, Leptin, Secretin, Gastrin
- (iii)Deep muscles, surface muscles, circular muscles, striated muscles
- (iv)Surface muscles, deep muscles, neck muscles, long muscle.

(v)Fifth cranial nerve, second cranial nerve, fifth facial nerve, spinal			
nerve.			
(vi)Central nervous system, peripheral nervous system, autonomous			
nervous system.			
(vii)Lipase, Sucrose, Galactose, Amylase			
(viii)Medulla oblongata, cerebrum, brain stem, 7 th cranial nerve.			
(ix)Pons varolii, brain stem, medulla oblongata, mid brain.			
(x)6 th Cranial nerve, 5 th cranial nerve, 10 th cranial nerve, optic nerve			
7. Ghrelin is secreted from			
8 play a major role in carrying the hunger pangs.			
9.Increase of ghrelin levels result in			
10. The sense of taste is carried to the brain for analysis only after			
11. The food in the mouth has been broken down in small pieces to			
12.Teeth helps in the process of			
13. The teeth which have sharp and pointed edges are			
14 have blunt and nearly flat surface			
15 muscles help in the movement of jaws			
16 muscles help in pushing the food into the mouth			
17.Starch is broken down into maltose and dextrose by the action of			
18.Swallowing is coordinated by			
19.P _H beyond 7 is known as			
20.P _H below 7 is known as			
21.P _H 7 is known as			
22litres of saliva is secreted daily.			
23acts as lubricant in the oesophagus			
24.Bleaching and burning sensation of stomach is due to			
25.Partially digested food in stomach			

26.Reverse peristalsis can be seen in				
27. The time taken for complete digestion is				
28countess the action of acid in stomach				
29increase the area of absorption in the intestine.				
	_			
30. Chyme initiates the production of hormones like 31.The last part of the alimentary canal				
32. The dental formula of man is				
32. The dental formula o	or man is			
Vov				
Key		2) G. 1		
1) Canier		2) Stomach		
3) HCl		4) Nose		
5) Alkaline				
6. i) Ghrelin	ii) Leptin	iii) Circular muscles		
iv) Surface muscles	v) Cranial	vi) Autonomous nervous system		
vii) Amylase	viii) Brain stem	ix) Medulla oblongata		
x) Olfactory Choose in right ones Ans: - 2,6,7,9,10				
7) The wall of the stomach		8) Diencephalon and vagus nerve		
9) Sensation of hunger and motivation to consume food.				
10) The dissolved food touches the taste bud				
11) Increase the area for action of enzymes				
12) Mastication		13) Canines		
14) Molars and premolars		15) Surface		
16) Circular		17) Ptyalin		
18) Medulla oblongata and brain stem		19) Alkaline		
20) Acidic		21) neutral		
22)1 to 1.5 liters		23) Mucus		
24) Secretion of HCl		25) Chyme		
26) Ruminants		27) 30-40 hrs		

28) Mucus

30) Secretion, Cholecystokinin

32) 2123\2123

29) Villi

31) Rectum