

## 7.CO-ORDINATION IN LIFE PROCESSES

1. When -----levels in blood fall, we get hungry pongs [ ]  
(A) glucose (B)protein (C)ghrelin (D)leptin
2. When the stomach is empty, cells in walls of stomach secretes----hormone [ ]  
(A)leptin (B)ghrelin (C)secretin (D)cholecystokinin
- 3) Which part of Brain plays an important role in carrying hunger signals from stomach to brain ? [ ]  
A) Diencephalon B) Midbrain C) Medulla Oblongata D)Cerebrum
- 4) Which Nerve Plays an important role in transfer of hunger signals to brain..... ? [ ]  
A) Sensory B)Motor C)Spinal D)Vagus Nerve
- 5) I have no hunger “Anil Says to her Mother due to ..... [ ]  
A)Ghrelin B)Secretin C)Leptine D)Glucose
- 6) We identified the taste of food, when it is in ..... state [ ]  
A) Solid B)Liquid C) Gaseous D)Crystal
- 7) ..... is the Japanese for Saory [ ]  
A) Umani B) Salty C) Bitter D)Sour
- 8) The Scientist who works on “ Conditioned reflexes name [ ]  
A) Lamarck B)Pavlov C) Darwin D) Linnaeus
- 9) 3/3 indicates in Human dental formula ? [ ]  
A)incisors B)Canines C) Premolars D)Molars
- 10) ..... Muscles are enable the food to be pushed in the oral cavity And to be moved around [ ]  
A) Surface B) Circular muscles C) Outer D)Pyloricm muscles
- 11)..... Nerve Controls the movements of internal muscles [ ]  
A) 10 Vagus B) 12 Cranial C)5 Cranial D) 7 Cranial
- 12)..... Chemical used in starch test [ ]  
A) NaCl B)HCl C) Iodine D)H<sub>2</sub>SO<sub>4</sub>
- 13) Secretion of Saliva From Salivary Glands Under the Action [ ]  
A)Controlled B)Central C)Peripheral D)Autonomous
- 14) After chewing of food, it forms into a slurry mass call [ ]  
A)Chyme B)Food C)Bolus D)Glucose
- 15).....enzyme present in Saliva [ ]  
A)Salivary Amylase B)pepsin C)Tripsin D)Renin
- 16).....,Part of Brain which the mechanism for swallowing is under the nervous coordination [ ]  
A)Cerebrum B)Medulla oblongata C) Cerebellum D) Diencephalon
- 17) Ph of the food is beyond 7 is ..... [ ]  
A) Acid B)Alkalie C)neutral D)Salty

- 18)..... helps the food Bolus, to slide down easily [     ]  
 A)Saliva            B)Mucus            C)HCl                            D)Gastric Juice
- 19)The controlling system of peristalsis [     ]  
 A)Involuntary    B)Voluntary            C)Autonomus            D)Central
- 20)The Part of Duodenum which sent the food from stomach [     ]  
 A) Circular            B)Longitudinal    C)Parallel                            D)Pyloric sphincter
- 21)In cow, buffalo, Rumination is ..... [     ]  
 A)Peristalsis            B)Rumination            C)Reverse Peristalsis            D) absorption
- 22)What is the reason, no damage of stomach with their own acids..... [     ]  
 A)Mucus Layer    B)HCl                            C) Chyme                            D)Bolus
- 23)..... are the hormones which secretes from small intestine [     ]  
 i. Secretin            (ii) ghrelin            (iii) colicistochynin            (iv) leptin  
 (A) i                            (B) i, iii                            (C) i,ii                            (D) i,iv
- 24)..... is the nickname of Digestive track [     ]  
 A)Nervous System(B)Digestive centre(C)Digestion            D)Second Brain
- 24) ..... nerve cells in second brain [     ]  
 A) 100                            B)150                            C) 200                            D)50

### 1 MARK QUESTIONS:-

1.Explain the dental formula ?

A) Dental formula =  $2/2, 1/1, 2/2, 3/3$

Inscisors =  $2/2$  caninss =  $1/1$ , premolars =  $2/2$ , molars =  $3/3$

2) What is call mastication ?

Mastication is the process by which food crushed and ground by teeth.

3)What is the roll of Oesophagus in Digestion ?

A) Oesophagus transfers the food to stomach by the peristaltic movements.

4)When the food enters into stomach, which acid release ?

A) Hydrochloric Acid

5)Write about "Neuro transmitters ?

A)Group of nerve cells which are transmit information about hunger signals

6)What about "Enteric Nervous system ?

A)Digestive System form Oesophagus to anus which contains 9 meters

7) What are the controlling muscles of exit of stool ?

A Internal anal sphincter, external anal sphincter.

8)What are the organ systems invdved in Disgestion of Food ?

A)Muscular system, nervous system, endocrine system,excretory system.

9)List out the sphincter muscles of the food canal you have observed ?

A) Esophagal Sphincter, 2) Cardiac Sphincter 3) Pyloric Sphincter 4) Anal Sphincter

10)What about Bolus ?

A) Under the action of Autonomous nervous system in stomach food forms in to a slurry mass called “Bolus”

11)Why we can't identify the taste of food , when it is very hot ?

A) Taste buds on the tongue are killed when the food is hot

12) What is the roll of Villi?

A) These villi increase the surface area of small intestine and the absorption of digested food in small intestine.

## **2 Marks Questions :-**

1. How can you say the smell of food increase the hunger pangs ?
2. How can you say that mouth is a munching machine ?
3. What happens if Salivary ducts are closed ?
4. Write about the Peristalsis ?
5. How can you justify the enteric nervous system as the second brain of the gut?
6. Explain the expulsion of wastes ?
7. Write the differences between chime and bolus?
8. Sugest some important habitual actions to your friend while eating food, , keeping in view of this chapter ?

## **4) Marks Questions**

1. Starch is bigested in Saliva, What experiment should you perform to prove it explain ?
2. What is the role of stomach in Digestive sysem ?
- 3.Draw the diagram of villus in small intestine ?
- 4.Draw a neat labelled diagram showing a peristaltic movement in oesophagus ?