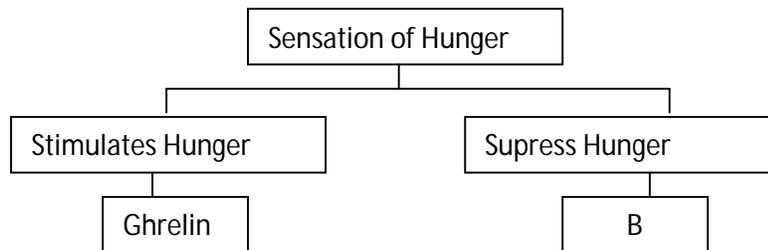


Chapter – 7 & 8

I. Answer the following Questions : (½ mark Questions)

30 × ½ = 15

1. Classification chart and answer the blank 'B'

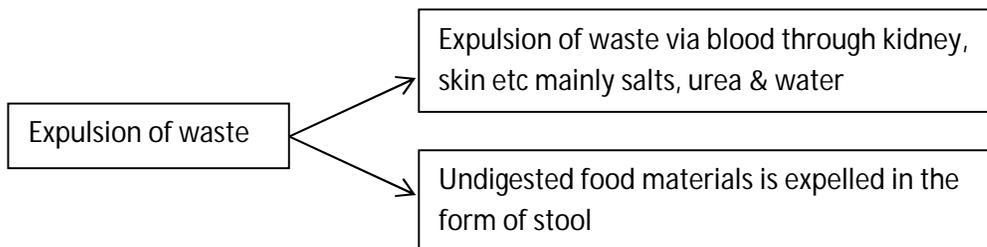


2. Cockroach is an example of Nocturnal animal. Give example for Diurnal animal.
3. Read the following sentence, find the erros. Rewrite it.
The second brain contain 10 million neurons.
4. Which of the following group is associated with stimulation of Liver and Pancreas.

Thyroxin, Ghrelin

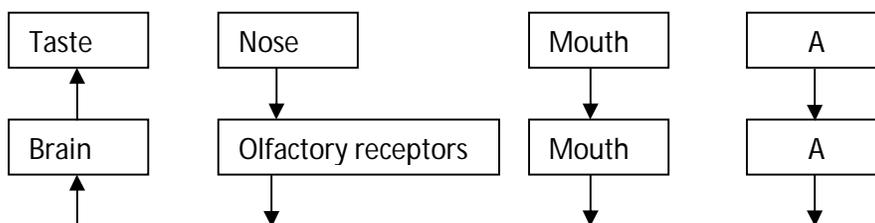
Secretin - Cholecystokinin

5. Expand HCl
6. A 10th class student has not taken lunch. After some time she is feeling hungry. How much time she will fee that hunger sensation?
7. Observe the given flow chart and answer the questions.



Which of the two do you think happened through the gut?

8. Fill the given flow chart :



9. Find the mismatched pair
p^H – 7 - Alkaline
PH below 7 - Acidic
P^H above 7 - Alkaline
10. I am an enzyme present in saliva. I act on carbohydrates. Who am I?
11. Incisors : Biting :: Canines : _____
12. Molars : _____ :: Premolars : 8
13. Identify the given diagram



14. Read the given sentence. Find the error rewrite it. Juices secreted in the stomach breaks down the food into a smooth mixture called Bolus.
15. I am Neural apparatus of our digestive tract, I have been nick named by scientist as the second brain. Who am I ?
16. Mendel had choosen garden pea plant for his experiment because of which characters.

Pea plant contain
Vitamin A,C,E,K & B

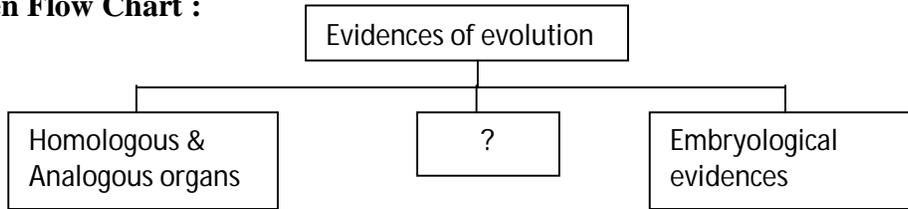
Bisexual flowers
It is an annual plant

17. Monohybrid cross : 3: 1 :: Dihybrid cross : _____

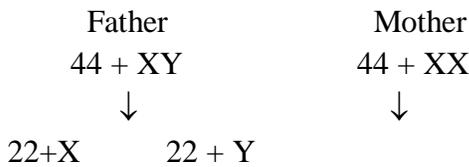
18. When hybridization take place between plants showing traits of pure yellow round seeds and plants with green wrinkled seeds (pure)

The possible traits expressed in the progeny _____

19. Fill the given Flow Chart :



20. Pinna is the example for vestigial organ in human beings. Give some more examples.
 21. The factors for each pair of characters assort independently of the other pairs. This is known as _____
 22. I am an organism, bear the characters of two different groups. Hence I am recognized as connecting link between aves and reptiles. Who am I?
 23. The study of fossils is called _____
 24. Expand DNA.
 25. Identify the mismatched pair
 1) Theory of evolution - Charles Darwin
 2) Principles of Geology - Sir Charles Lyell
 3) Natural Selection - Lamark
 26. Lamarck : _____ : August Weismann : Rat
 27. If the sperm containing X chromosome fertilizes with the ovum. So the baby will be _____
 28. Fill the given flow chart

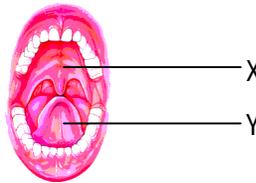


29. In 1953 the detailed structure of DNA was given at Cambridge by two scientists. Who are they?
 30. Wings of Birds : feathers :: wing of Bat : _____

II. Answer the following Questions : (one mark Questions)

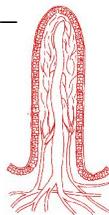
20 × 1 = 20

1. Nerve that controls the Hunger pangs
 2. Which parts of the mouth helps us to taste the food?
 3. Observe the given diagram and label X and Y



When you can taste the food faster?

4. Write the Dental formula of Human being?
 5. How does mucus help in passage of food in oesophagus?
 6. Pyloric valve is present between _____
 7. Identify the given diagram is



8. In which part of alimentary canal food stay for longer time?
 9. Which is the last part of large intestine?
 10. How many muscular layers help in exit of stool?
 11. Fill the given chart.

Write phenotypic ratio of F₁ generation.

	y	y
Y		
Y		

12. Fore limbs of whale, wings of bat, legs of a cheetah are examples of?
 13. What is Atavism? Example.
 14. The earliest members of Human species traced in _____
 15. Which organism is used to study the sex linked traits?
 16. What are the sex determined chromosomes in human beings?
 17. The acquired characters are passed to the offsprings, inherited in the next generation. Who has proposed this?
 18. What is genetic drift?
 19. Variations which are useful to an individual are retained, while which are not useful are lost
 Above lines explain about _____
 20. From which districts of Telangana, the fossils of dinosaurs & ketosaures are collected?