## Attempt the All questions:

1. Define the cell respiration?
2. Write any two differences between pulmonary artery and pulmonary veins ?
3. Write any gum released plants ?
4. Expand the ESRD ?
5. What is the uses of hastorium in cuscuta ?
6. Whom depend on the sexual determination? What is the reason ?
7. Which is called as Biodiesel plants?

## Section - II

## Attempt the All questions:

$6 \times 2=12$
8. What is malnutrition? Mention any two diseases affected by the malnutrition?
9. Mention the Various stages of mitosis in respiration.
10. What is the role of Epiglottis?
11. Write the slogans to understand about the organ donation in the people.
12. How do you appreciate the cell division which is useful to be Permanent Metabolism?
13. Why did the Mendel select the pea plant for his experiment? Give the reasons?

Section - III
Attempt the four questions in internal choice:
14. How do you prove that carbon dioxide is essential for Photosynthesis? Write your Observation

> (OR)

Would be the stomach as like as bag structure? Mention the reasons.
15. Explain the mechanism involved in planks to get water through root hair

Which call is useful to photo Synthesis in the plants and describe about it?
16. Write the differences between mitosis and meiosis?
(OR)
Write the experiment to observe the changes during the combustion of sugar.
17. Write some important aspects in Charles Darwin's theory

Observe the given table and answer the following questions

| Brain portion | its functions |
| :--- | :--- |
| Cerebrum | Mental abilities, thinking, memory, emotions and <br> Speech |
| Diencephalon | Center for water balance, blood pressure, body <br> temperature, Sleep and hunger |
| optic lobes | Reflexes for sight and hearing |
| Cerebellum | Maintain body faster and equilibrium |
| Medulla oblongata | Center for cardince, respiratory and vasco motor <br> activities. |

1. Which part is responsible for intelligence?
2. Which bony cage gives to brain?

3 which the importance of cerebellum?
4. Medulla oblongata extends as which part of the nervous system?

| Time: 15 mins |
| :--- |
| 18. In photosynthesis ............................. |

1. $\mathrm{CO}_{2}$ is oxidized
2. $\mathrm{CO}_{2}$ is reduced
3. light energy converted into chemical energy
B) 1,2
B) 2,3
C) 1,3
D) $1,2,3$
4. Fat Soluble vitamins are. $\qquad$
1) Vitamin-A
2) Vitamin-B
3) Vitamin-C
4) Vitamin-D
A)1,2
B) 2,3
C) 3,4
D) 1,4
21. which parts are collectively known as malpighian body
22. Glomerulus
23. Loop of Henly
24. Bowman's capsule
25. capillary network
A). 1,3
B) $\cdot 2,3$
C). 1,4
D). 2,4
26. This is one of the artificial vegetative reproductions System
A) cuttings
B) Grafting
C) Layering
D) Tissue culture.
27. Single circulation presence in $\qquad$
A) Man
B) Elephant
C) Fish
D) Blue
whale
28. This is not example for Nostril movement
A) plant stimulate to light
B) Plant stimuli lo water
C) plant stimulate to gravity
D) mimosa stimulated to touching
25.This is not following the Fossil fuel
A) LPG
B) CNG
C) Biogas vs.
D) Natural Gas
29. How much energy loss in every biomass
A) $10-20 \%$
B) $30-40 \%$
C) $40-60 \%$
D) $80-90 \%$
30. D.N.A means $\qquad$
A) Gene material
B) Tissue
C) Solid
D) none of these
31. Precautions that need to be taken in the root pressure experiment
32. The Size the glass tuke should be equal to the Size the stem
33. Select dry and withered potted plant
34. Join the tube and stem tightly.
A) 1,2
B) 2,3
C) 1,3
D) $1,2,3$
