

Half Yearly Examination 2016-2017

Subject : Biology

Class : XII 'A/B'

M.M. 75

Time:3:00hrs

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Section -A

Note: Objective type questions one mark each :----

Que:1 Fill in the blanks :-----

1. \_\_\_\_\_ is not released in the photosynthesis of bacteria.
2. \_\_\_\_\_ initiates heart beat in a mammal.
3. The fluid which surrounds, the foetus in uterus is called \_\_\_\_\_
4. Rafflesia is a \_\_\_\_\_ parasite plant.
5. The forest trees basically function as \_\_\_\_\_

Que:2 Choose the correct answer :----

1. Guttation takes place :  
[ through lenticels, through stomata, through hydathodes, through cuticle ]
2. Night blindness is caused due to deficiency of : [ Vit C, Vit A, Vit D, Vit E ]
3. Transpiration is higher among the following plants :  
[ mesophytes, Hydrophytes, Xerophyte, Algae cells ]
4. Useful vaccination used for protection from polio, Diphtheria and tetanus is :  
[ BCG, MMR, DPT, STD ]
5. Reason of more population in metropolitan cities is :  
[opportunities for education, better materialistic facilities, sources of higher income, etc.]

Que:3 Write the answer in one word / sentence :---

1. Which vitamin is called as antisterility vitamin ?
2. Which is the most important form of water for the plants ?
3. Where are sertoli cells found ?
4. Name any plant in which stem is modified into leaf like structure and leaves are modified into spines.
5. Write any two causes of uncontrolled population growth ?

Que:4 Match the column :-----

Cytochrome	- RBC
Scurvy	- photo phosphorylation
Haemoglobin	- Anthrax
Cow	- Wolffia
Free floating	- Vitamin C

Section - B

Note: very short answer type questions 2 marks each :----

Que:5 Explain digestion of protein in stomach ?  
Explain transport of CO<sub>2</sub> in respiration ?

“Or”

Que:6 Explain reflexion in short ?  
Explain with ray diagram of spermatogenesis ?

“Or”

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Que:7 Give three signification of double fertilization ?  
Explain note of liver in excretion ? "Or"

Que:8 Draw well labeled diagram of ruminant stomach and give its function ?  
Write the classification of animals on the basis of excretory substances. "Or"

Note: Short answer type question 3 marks each :---

Que:9 Give difference between aerobic and anaerobic respiration ?  
Give differences between bone and cartilage ? "Or"

Que:10 What is joints explain with labeled diagram the ball and socket joint ?  
Describe the structure and function of chloroplast ? "Or"

Que:11 Explain factor affecting the rate of photosynthesis ?  
Describe structure of human ovum with diagram ? "Or"

Que:12 What is dialysis ? explain its mechanism ?  
Describe internal structure of human ear with labeled diagram ? "Or"

Note: Long answer type questions 4 marks each :----

Que:13 State four causes of addiction ?  
Explain the role of haemoglobin in transport of gases during respiration ? "Or"

Que:14 Define digestion. Explain the process of digestion in buccal cavity ?  
Describe the structure and function of meninges ? "Or"

Que:15 Write only the names of male reproductive organs and female reproductive organs?  
What is double fertilization mention its significances ? "Or"

Que:16 Write the morphological adaptations of hydrophytes ?  
Write four causes of noise pollution and explain the control of noise pollution ? "Or"

Note: Long answer type questions 5 marks each :--

Que:17 Measure the rate of transpiration with the help of Ganong's photometer. "Or"  
State five differences between photorespiration and respiration ?

Que:18 Explain transport of  $C_2$  in blood of human being ?  
Draw a labeled diagram of reflex arc and briefly describe reflex action ? "Or"

Que:19 Write the four causes of water pollution and explain the control of water pollution ?  
"Or"

Give difference between  $C_3$  and  $C_4$  cycle.

Que:20 Explain Dixon Jolly " theory of ascent of sap with diagram ?  
What is Glycolysis ? give its various steps ? "Or"

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