

**Class : XI<sup>th</sup>**  
**Date :**

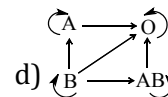
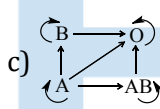
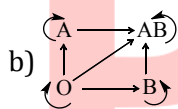
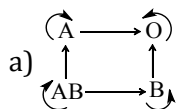
**Subject : BIOLOGY**  
**DPP No. : 6**

## Topic :- Body Fluids And Circulation

- In humans, blood passes from the post caval to the diastolic right atrium of heart due to
  - Pushing open of the venous valves
  - Suction pull
  - Stimulation of the sino-auricular node
  - Pressure difference between the caval and atrium
- In the ventricular diastole, the ...A... valve closes. This causes the second heart sound ...B... .  
Choose the correct option for A and B
 

a) A-Semilunar; B-Dub	b) A-Mitral; B-Dub	c) A-Bicuspid; B-Dub	d) A-Tricuspid; B-Dub
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- Which of the given option is correct about blood groups and donor compatibility?



- Which of the following sentences is correct?
  - ECG is of a great clinical significance
  - Electrocardiograph is the recording of electrical changes during the cardiac cycle
  - To obtain a standard ECG, a patient is connected to the machine with 3 electrical electrodes (one to each wrist and to the left ankle)
  - Normal activities of the heart are regulated intrinsically
  - Electrocardiogram is the electrical activity of heart

The option with correct statements is

- |                      |                     |                      |                    |
|----------------------|---------------------|----------------------|--------------------|
| a) I, II, III and IV | b) I, III, IV and V | c) II, III, IV and V | d) I, II, IV and V |
|----------------------|---------------------|----------------------|--------------------|
- Cardiac output is determined by
 

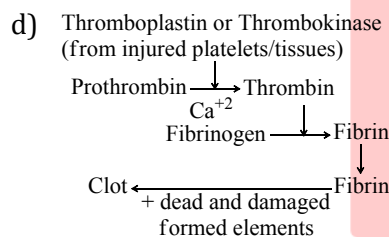
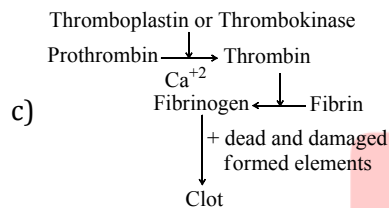
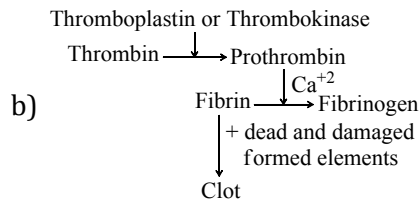
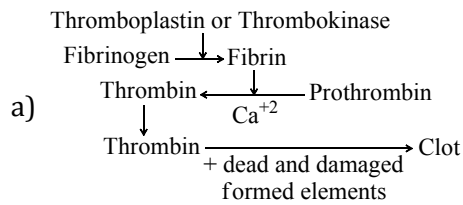
a) Heart rate	b) Stroke volume	c) Blood flow	d) Both (a) and (b)
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  - Viper venom affects
 

a) Circulatory system	b) Nervous system	c) Respiratory system	d) None of these
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  - A circulatory system, which is formed by capillaries and ends with capillaries is
 

a) Renal	b) Hepatic
c) Double circulatory system	d) Hypophysial portal system

8. Blood leaving the liver and going towards heart is rich in  
 a) Bile                                      b) Urea                                      c) Ammonia                                      d) Oxygen

9. Which is correct about blood clotting?



**P E**

10. Maximum amount of oxygen is lost from the blood in the  
 a) Capillaries surrounding the tissue cells                      b) Arteries of the body  
 c) Capillaries surrounding the alveoli                              d) Left auricle of the heart

11. Atherosclerosis is caused by deposition of  
 a) Calcium                                      b) Fat and cholesterol  
 c) Deposition of fibrous tissue                                      d) All of the above

12. Which of the following are located in tunica media of human blood vessels?  
 a) Collagen fibres and smooth muscle                              b) Squamous epithelium and striated muscle  
 c) Yellow fibres and smooth muscle                                      d) Yellow fibres and striated muscle

13. Duration of a cardiac cycle is  
 a) 0.6 second                                      b) 0.7 second                                      c) 0.8 second                                      d) 0.9 second

14. The myocardium is found in  
a) Heart of mammals    b) Brain of mammals    c) Lungs of mammals    d) Testes of mammals
15. Normal activities of the heart are regulated  
a) Extrinsically    b) Intrinsically    c) Both (a) and (b)    d) None of these
16. During each cardiac cycle, prominent sounds are produced which can be easily heard through stethoscope. They are  
a) Lub    b) Dub    c) Tick    d) Both (a) and (b)
17. Serum is  
a) Blood without corpuscles    b) Blood without fibrinogen  
c) Blood without fibrinogen and corpuscles    d) Otherwise called as plasma
18. Neural centre in medulla oblongata can moderate the cardiac function through  
a) ANS (Autonomic Nervous System)    b) Sympathetic nervous system  
c) Parasympathetic nervous system    d) Somatic nervous system
19. Maximum surface area of circulating system is seen in  
a) Heart    b) Capillaries    c) Arterioles    d) Veins
20. The normal level of haemoglobin per 100mL of blood in women is  
a) 14 g    b) 18 g    c) 12 g    d) 20 g