

Name .....	Class.....	Roll No.....	Time 30 Min.	Max. Marks 25	Marks Obtained
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**HOTS & Value Based Questions**

Q. 1. What constitutes one heart beat ? Is the pulse rate same as heart beat rate ? [HOTS] 3

Ans. ....  
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Q. 2. What is the need of four-chambered heart in mammals while fishes have only two-chambered heart ? [HOTS] 3

Ans. ....  
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Q. 3. During summer season we drink a lot of water in comparison to winter, yet we pass urine fewer times in summer than in winter. What is the reason behind this fact ? [HOTS] 3

Ans. ....  
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Q. 4. Do the freshwater animals reabsorb water through their excretory system like marine animals ? Justify your answer. [HOTS] 3

Ans. ....  
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Q. 5. Om, Rohit and Kishore always remain in a hurry. One day, during lunch hour they all quickly gulped food and went out to play. Om suddenly developed stomach ache while playing. What according to you might have gone wrong with him. [VBQ] 3

Ans. ....  
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Q. 6. Regular physical exercise for 45 minutes is advisable for normal functioning of human body. Comment upon the advantages of this statement/practice in daily life. [VBQ] 5

Ans. ....  
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Q. 7. The inner lining of the small intestine contains numerous villi. Are villi helpful in food absorption? Give the reason behind your answer. [HOTS] 5

Ans. ....  
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