



Q3	State following statements true or false. A. Roots are positively geotropic. B. Locomotion is a primary function of the digestive system. C. MTBF is an indicator of the reliability of the system. D. A neuron is a functional unit of the urinary system. E. Physiological dependence is one of the reasons for addiction.	<b>CO2</b>												
Q4	Match the following.  <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><b>Organs</b></td> <td style="text-align: center;"><b>Human body system</b></td> </tr> <tr> <td>i) Bone</td> <td>a) Nervous System</td> </tr> <tr> <td>ii) Brain</td> <td>b) Circulatory System</td> </tr> <tr> <td>iii) Kidney</td> <td>c) Digestive System</td> </tr> <tr> <td>iv) Heart</td> <td>d) Skeletal System</td> </tr> <tr> <td>v) Tongue</td> <td>e) Excretory System</td> </tr> </table>	<b>Organs</b>	<b>Human body system</b>	i) Bone	a) Nervous System	ii) Brain	b) Circulatory System	iii) Kidney	c) Digestive System	iv) Heart	d) Skeletal System	v) Tongue	e) Excretory System	<b>CO3</b>
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Q5	List any five benefits of modernizing the Indian pharmaceutical industry.	<b>CO4</b>												
Q6	Differentiate active and passive transport (any 3).	<b>CO2</b>												
<b>SECTION B</b>														
<b>1. Each question will carry 10 marks</b> <b>2. Instruction: Write short / brief notes</b>														
Q 1	Define MTTR. Calculate MTTR, MTBF and up-time for February 2019 if there are four breakdown of 60, 40, 50 and 90 min, respectively.	<b>CO4</b>												
Q 2	Consider a patient with symptoms like increased heart rate and irregular heart rhythms. Which type of drugs should be recommended for the patient? Explain the mechanism of action of different classes that drugs.	<b>CO2</b>												
Q 3	Draw a well-labeled diagram of the digestive system and enlist the functions of the digestive system.	<b>CO1</b>												
Q 4	Write a short note on the characteristics of the stem and any two modifications of the stem.	<b>CO1</b>												
Q 5	Explain the <u>functions</u> of the National Pharmaceutical Pricing Authority (NPPA).	<b>CO4</b>												
<b>Section C</b>														
<b>1. The following question will carry 20 marks</b>														
Q1	Classify crude drugs according to different criteria and quote at least two examples of each class.  <p style="text-align: center;">OR</p> Discuss the steps employed for the assessment of drug addiction in the drug addict.	<b>CO3</b>												