

CBSE Class 11 Physics Sample Paper Set 2

Time: 3 Hrs

Maximum Marks: 70

General Instructions:

- All questions are compulsory.
- There are 30 questions in total. Questions 1 to 8 carry one mark each, questions 9 to 18 carry two marks each, questions 19 to 27 carry three marks each and questions 28 to 30 carry five marks each.
- There is no overall choice. However, an internal choice has been provided in one question of two marks, one question of three marks and all three questions of five marks each. You have to attempt only one of the given choices in such questions.
- Use of calculator is not permitted.
- You may use the following physical constants wherever necessary.

$$e = 1.6 \times 10^{-19} \text{ C}$$

$$c = 3 \times 10^8 \text{ ms}^{-1}$$

$$h = 6.6 \times 10^{-34} \text{ JS}$$

$$\mu_0 = 4\pi \times 10^{-7} \text{ NA}^{-2}$$

$$k_B = 1.38 \times 10^{-23} \text{ JK}^{-1}$$

$$N_A = 6.023 \times 10^{23} / \text{mole}$$

$$m_e = 9.1 \times 10^{-31} \text{ kg}$$

Q1. Give dimensions of (i) rotational Kinetic energy (ii) strain.

1

Q2. If the force shown on the block is action, what is its reaction?



1

Q3. Mention two advantages of 'I' shape of iron beams used in building construction.

1

Q4. The graph below shows load extension curve for two wires A and B of the same material and of same length.

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materials test tubes test tube rack amylase benedict reagent starch solution maltose solution distilled water buffer pH 7

buffer pH 2 water bath pipettes glass rods sharpers container wash bin

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web list the digestive system enzymes involved in the digestion of proteins fats and carbohydrates state their site of origin

and summarize the conditions promoting their optimal functioning name the end products of protein fat and carbohydrate

digestion define enzyme catalyst control substrate and hydrolase

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web in fact there are thousands of different enzymes in your body that work around the clock to keep you healthy and active

in this science activity you will investigate one of these enzymes called catalase to find out how it helps to protect your body

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important for breaking down food into nutrients which the body uses for energy growth and cell repair food and drink must

be changed into smaller molecules of nutrients before the blood absorbs

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web question 2 bio 169 digestive lab lab activity 4 digestive enzymes fill in the blank with the term that best completes the

statement catabolism of 1 is initiated within the oral cavity by the enzyme 2 1 which breaks down polysaccharides such as

starch and glycogen into smaller units

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web action of a digestive enzyme purpose of the exercise to investigate the action of amylase and the effect of heat on its enzymatic activity materials needed 0 5 amylase solution beakers 50 and 500 ml distilled water funnel pipettes 1 and 10 ml pipette rubber bulbs 0 5 starch solution graduated cylinder

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web location wise there are now 17 colleges in pune that provide the specified robotics engineering there are more colleges offering robotics engineering in tamil nadu than anywhere else in the pune see the table below for a detailed overview of the top states cities offering the robotics engineering in the given pune location details

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