

CBSE Class 12 Physics
Sample Paper - 06 (2019-20)

Maximum Marks: 70

Time Allowed: 3 hours

General Instructions:

- i. All questions are compulsory. There are 37 questions in all.
- ii. This question paper has four sections: Section A, Section B, Section C and Section D.
- iii. Section A contains twenty questions of one mark each, Section B contains seven questions of two marks each, Section C contains seven questions of three marks each, and Section D contains three questions of five marks each.
- iv. There is no overall choice. However, internal choices have been provided in two questions of one mark each, two questions of two marks, one question of three marks and three questions of five marks weightage. You have to attempt only one of the choices in such questions.

Section A

1. Six charges, each equal to $+q$, are placed at the corners of a regular hexagon of side a . The electric field at the point of intersection of diagonals is
 - a. $\frac{1}{4\pi\epsilon_0} \cdot \frac{\sqrt{3}q}{2a^2}$
 - b. Zero
 - c. $\frac{1}{4\pi\epsilon_0} \cdot \frac{6q}{a^2}$
 - d. $\frac{1}{4\pi\epsilon_0} \cdot \frac{q}{a^2}$
2. Two equal negative charges $-q$ are fixed at points $(0, a)$ and $(0, -a)$. A positive charge Q is released from rest at the point $(2a, 0)$ on the x-axis. The charge Q will:
 - a. Move to origin and remain at rest

Physics 042 Class Xii Cbse Labs

Keshav Mohan



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understanding on the experiment Suggested Investigatory Projects of the CBSE curriculum Clearly labeled Diagrams in each experiment Appendices related to some useful data TABLE OF CONTENT General Introduction of Practical Work How to Record an Experiment Experimental Errors Logarithms Basic Trigonometry Study of Graphs Section A Experiments Activities Section B Experiments Activities Suggested Investigatory Projects Appendices **CBSE Class XII - Physics: A Complete Preparation Book For Class XII Physics| Topic Wise** EduGorilla Prep Experts,2022-09-20 **Physics : Textbook For Class Xii** ,2006-01-01 **CBSE All In One Physics Class 12 2022-23 Edition (As Per Latest CBSE Syllabus Issued on 21 April 2022)** Keshav Mohan,2022-06-20 *Physics Class XII Volume I - SBPD Publications* D. C. Upadhyay, Dr. J. P. Goel, Er. Meera Goyal,2021-05-06 Unit I Electrostatics 1 Electric charge and Electric Field 2 Gauss Theorem 3 Electric Potential 4 Electric Capacitance Unit II Current Electricity 5 Electric Conduction and Ohm's Law 6 Electric Measurements Unit III Magnetic Effects of Electric Current and Magnetism 7 Magnetic Effects of Electric Current 8 Magnetism Unit IV Electromagnetic Induction and Alternating Current 9 Electromagnetic Induction 10 Alternating Current Unit V Electromagnetic Waves 11 Electromagnetic Waves Log Antilog Table Value Based Questions VBQ Board Examination Papers

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