

## D.A.V. PUBLIC SCHOOL, NEW PANY Earnchse.in

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Practice Paper

2013-2014

Sub:- Physics

Time:- 3 Hours Marks:- 70

#### GENERAL INSTRUCTIONS:

- All questions are compulsory.
- 2) There are 26 questions in total. Questions 1 to 5 questions short answer questions and carry 1 mark each, Questions 6 to 10 are short answer questions and carry two marks each, Questions 11 to 22 carry three marks each, question 23 carries 4 marks and questions 24to 26 are long answer questions and carry five marks each.
- 3) 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.
- 4) Use of calculators is not permitted. Log tables will be provided, if needed.
- 5) 15 minutes time has been allotted to read this question paper. During this time, the students will read the question paper only, she / he will not write any answer on the answer script during this period.

1)	The density of oxygen is 16 times the density of hydrogen. What is the relation between the speeds of sound in two cases?	(1M)
2)	IF the momentum of a body is doubled, find % age increase in its kinetic energy ?	(1M
3)	If a vector $2\vec{x} + 3\vec{j} + 8\vec{k}$ is perpendicular to the vector $4\vec{j} + 4\vec{k} + a\vec{k}$ , find value of "a"	(1M)
4)	Three stars p. Q. R appear as green, red and blue respectively. Which star has minimum temperature?	(1M)
5)	If the polar ice caps melt and spread uniformly, how will the length of the day be affected?	(1M)
6)	Find the resultant of the following forces acting at a point $200\sqrt{2}$ N along NE, $500\sqrt{2}$ N along NW and 800 N along south.	(2M)
7)	Derive an equation for the distance covered by a uniformly accelerated body in nth second of its motion.	(2M)
8)	State the any four important postulates of the kinetic theory of gases.	se.in

# **Grade 11 June Physics Paper 1**

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#### **Grade 11 June Physics Paper 1:**

The Amateur Hour Jonathan Zimmerman, 2020-10-27 The first full length history of college teaching in the United States from the nineteenth century to the present this book sheds new light on the ongoing tension between the modern scholarly ideal scientific objective and dispassionate and the inevitably subjective nature of day to day instruction American college teaching is in crisis or so we are told But we ve heard that complaint for the past 150 years as critics have denounced the poor quality of instruction in undergraduate classrooms Students daydream in gigantic lecture halls while a professor drones on or they meet with a teaching assistant for an hour of aimless discussion The modern university does not reward teaching so faculty members at every level neglect it in favor of research and publication In the first book length history of American college teaching Jonathan Zimmerman confirms but also contradicts these perennial complaints Drawing upon a wide range of previously unexamined sources The Amateur Hour shows how generations of undergraduates indicted the weak instruction they received But Zimmerman also chronicles institutional efforts to improve it especially by making teaching more personal As higher education grew into a gigantic industry he writes American colleges and universities introduced small group activities and other reforms designed to counter the anonymity of mass instruction They also experimented with new technologies like television and computers which promised to personalize teaching by tailoring it to the individual interests and abilities of each student But Zimmerman reveals the emphasis on the personal inhibited the professionalization of college teaching which remains ultimately an amateur enterprise The more that Americans treated teaching as a highly personal endeavor dependent on the idiosyncrasies of the instructor the less they could develop shared standards for it Nor have they rigorously documented college instruction a highly public activity which has taken place mostly in private Pushing open the classroom door The Amateur Hour illuminates American college teaching and frames a fresh case for restoring intimate learning communities especially for America's least privileged students Anyone who wants to change college Bailey's index to 'The Times'. Nancy Bailey,1901 teaching will have to start here Resources in Education ,1998

Palmers' Index to the Times Newspaper ,1901 **Journal of Research of the National Bureau of Standards** .1971 Who's who in America John W. Leonard, Albert Nelson Marquis, 1928 Vols 28 30 accompanied by separately published parts with title Indices and necrology East European Accessions List Library of Congress. Processing Department, 1954 Journal of Research of the National Bureau of Standards United States. National Bureau of Standards, 1968 Official Proceedings St. Louis Public Schools St. Louis Public Schools (Saint Louis, Mo.),1915 Industrial Arts Education Marshall Langdon Schmitt, Albert Louis Pelley, United States. Office of Education, 1966 Manitoba School Journal, 1949 Source Materials for Secondary School Teachers of Foreign Languages Esther May Eaton, Mary Elizabeth Hayes, Helen L. O'Leary, 1966 Circular United States. Office of Education, 1966 Engineering News-record ,1904 Catalog of Copyright Entries. Third Series Library of Congress. Copyright

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