SHRI JAIN VIDYA PRASARAK MANDAL COLLEGE OF EDUCATION CHINCHWADGAON, PUNE-33 INTERNAL WRITTEN EXAMINATION 2023-24

B.ED COURSE 205-15 : Additional Pedagogy Course Understanding Disciplines & School Subjects & Pedagogy Of School Subject - PHYSICS

Time :- 3 Hrs

Date:-

Marks:- 80

Q.1) What is Energy ?Write the concept, unit, types of Energy ? Which are the Laws of Conservation of Energy? 15 OR Q.1) What is Need for Measurement? Write down the Units for measurement & Systems of Units? Q.2) ANSWER THE FOLLOWING (ANY 3) 15 1) Newton's Three laws of Motion. 2) Right Hand Rule 3) Nature & Characteristics of sound waves 4) Motion of an Object 5) SONAR Q.3) ANSWER THE FOLLOWING. 10 1) The reference standard used for the measurement of ais called a unit. 2) The difference between the true value and measured value of a physical quantity is called 3) Angular velocity of a particle performing is defined as the time rate of change of limiting angular displacement. 4) A current carrying conductor produces magnetic field around it, This isof electric current. 5) The maximum displacement of particle from mean position is called as..... 6) A wave in which particle of medium vibrate in a direction perpendicular to the direction of propagation of the wave is called as..... 7) Physical quantities which have magnitude only are called 8) Relative Error =..... 9) The speed of the particle can be zero or positive but never..... 10) Velocity of sound is proportional to the square root of absolute temperature i.e

_ /	What is Correlation ?Explain the types of correction in the type in the	(15 Marks)
प्र.४)	समवाय म्हणजे काय?समवायाचे प्रकार स्पष्ट करा. तुम्ही भौतिक	शास्त्र विषयाचा समवाय जीवशास्त्र आणि रसायनशास्त्र विषयाशी कसा
साधाल	?	
	О	R
	What is textbook? what are the characteristics cs Textbook.	of Good Textbook? Evaluate eleventh standard (15 Marks)
प्र.४) प	ााठ्यपुस्तक म्हणजे काय?चांगल्या पाठ्यपुस्तकाचे वैशिष्ट्य सांगा	इयत्ता अकरावी भौतिकशास्त्र पाठ्यपुस्तकाचे मूल्यमापन करा.
Q.5)	Explain Project method of teaching in Physics	s with respect to fallowing points (15 Marks)
i)	Nature ii) Steps iii) Role of teacher	· · · · · · · · · · · · · · · · · · ·
प्र.५) भ	ौतिकशास्त्र अध्यापनाची प्रकल्प पद्धती खालील मुद्यांच्या आधारे	स्पष्ट करा.
	अ) स्वरूप ब) पायऱ्या क) शिक्षकाची भूमिक	ड) विद्यार्थ्याची भूमिका
	OR	
Q.5)	Explain the Physics laboratory with respect to 1	Callowing points. (15 Marks)
i) Planning ii) Organization iii) Importance	in teaching learning process.
प्र.५) १	गौतिकशास्त्र प्रयोगशाळेचे स्पष्टीकरण खालील मुद्द्यांच्या आधारे व	करा.
अ)	नियोजन ब) संघटन क) अध्ययन अध्यापन प्रक्रियेतील मह	त्त्व
Q.6)	Answer the following. (Any 2)	(10 Marks)
i.	Competencies of Physics teacher. अ) भौतिकशास्त्र शिक्षकाच्या क्षमता	
ii.	Learning resources of Physics. ब) भौतिकशास्त्र विषयातील अध्ययन स्रोत	
iii.	Write the importance of Physics in daily life. क) दैनंदिन जीवनातील भौतिकशास्त्र विषयाचे महत्त्व	
iv.	Merits of experimental method. ड)प्रयोगशाळा पद्धतीचे फायदे.	

-----XXXXXXXXX00000XXXXXXXX------