Federal Board HSSC-I (2018) PHYSICS HSSC-I Model Question Paper (KPK) SECTION - A (Marks 17) Time: 25 Minutes Marks: 17 Note: Section-A is compulsory. All parts of this section are to be answered on the separately provided OMR Answer Sheet which should be completed in the first 25 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil. Choose the correct answer i.e. A / B / C / D by filling the relevant bubble for each question on the OMB Miswer Sheet according to Welpstructions given therefy foll carries one o ratio 1µm/16m? For which angle the equation  $A B = |A \times B|$  is correct? iii. What is the angle between A and B for which |A + B| = |A - B|? 30 C 60°C What does NOT change when force is iv. applied on a body? Mass Velocity Position Acceleration A projectile is thrown so that it travels a maximum range of 100m. How high will it rise? B. G. o 250 m A 500 m 400 m 1000 m If momentum is increased by 20% then K.E increases by: The atmosphere is held to the earth winds . B. gravit COM

clouds . The anaphan September and hrs for daily MANGO our earth is:  $4\pi$ Artificial satellite moves around: IX. Moon Sun В. C. Stars Earth The pressure will be low where the X, speed of the fluid is: Zero B. High Low D. Constant The periods of the pendulum at XI. Karachi (Tk) and at Murree (Tm) are related as:  $T_k > T_m$ B.  $T_k < T_m$  $T_k = T_m$ D.  $2T_k = 3T_m$ Which one of the following factors has xii. no effect on the speed of sound in a gas? A. Humidity B. Pressure Temperature D. Density Which one of the following properties xiii. is NOT exhibited by the longitudinal waves? A. Reflection B. Interference D. Polarization Diffraction The tip of a needle does NOT give a XIV. sharp image. It is due to Interference Polarization B. The Principal Communication of the Communication of XV. Amplitude Wave front Speed of light Frequency an isothermal change, internal xvi. energy of a system: Decreases Increases Becomes Zero Remains Constant Triple point of water is: xvii. 273.16 F В 372.16 K Α. 273.16 K 273.16 C