



| | IK | PHYSICS HSSC-I SECTION A (Marks 17) |
|-------------|----|--|
| TIMALITY OF | | |

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|----|-----|----|---|------|-----|
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| Time | | ed: 25 Minutes | Mal | MAIN | | | | er 3 0 8 4 |
|-------|--------|---|---------------------------------|--|------------------------|---|--|--|
| Note: | Centre | n – A is compulsory Answer Sheet which Superintendent. De | should eting/ove | be completed rwriting is not a | in the fi allowed. | rst 25 minutes Do not use lea | and h | anded over to the |
| 2.1 | Choos | e the correct answer | A / B / C the instr | I D by filling the uctions given to | ne releva here. Eac | nt bubble for on the part carries | each qu one ma | estion on the OMR rk. |
| | 1) | Signals from remote A. Light | B | Ultrasonic | C. | Supersonic | D. | Sound |
| | 2) | The effect produced same region is called | by the sur i: B. | perposition of war | ves from | two coherent s | ources p | passing through the Refraction |
| | 3) | Diffraction In which of the follow A. Isochoric | ring proce | sses maximum v Isothermal | C. | be obtained? Adiabatic | D. | Isobaric |
| | 4) | Which of the followin (v=speed, g=acceler | g may be | used as valid for | rmula to o | calculate speed, p=density, h=d | of ocea lepth) | n waves? |
| | | A. gh/λ | В. | √lg | C. | $\frac{\lambda}{gh}$ | D. | ρgh |
| | 5) | In a cricket match 50 the final result? | | ors are counted | one by or | | significar | nt figures will be there in |
| | | A. 1 | B. | 2 | C. | 3 | D. | U |
| | 6) | A person walks first A. 22.36 km | В. | 22.46 km | C. | 25.23 km | D. | 20.36 km |
| | 7) | For which angle the | equation, | $ A.B = A \times B $ is | correct: | | | |
| | 8) | A. 45° When a block of woo | B. od of mass on the bloo | 60° s 2 kg is pushed kk is pushed alor | C. along a h | 90° norizontal flat su nch with a force | D. urface of of 10N, | 0° a bench, the force it moves with a consta |
| | | A. Speed of 5n | | | В. | Acceleration of | of 3ms ⁻² | |
| | | C. Acceleration | 172 | | D. | Speed of 3ms | | |
| | 9) | A projectile is thrown A. 400 m | so that it B. | travels a maxim 500 m | | | | l it rise? 250 m |
| | 10) | One horse power is | equal to: | | | E40 0 | - | 746 \\\-4 |
| | 11) | A. 746 Joules What is moment of i | B. nertia of a | | C. | 746 N | D. | 746 Watt |
| | | A. $\frac{1}{2}M^2R$ | В. | $\frac{2}{5}MR^2$ | C. | $\frac{1}{2}MR^2$ | 100) | |
| | 12) | If the earth suddenly A. Remain und C. Become Ze | hanged ro | N7N(| Jall | Decrease | | |
| | 13) | A rain drop of radius drop of radius '2r'P | falls in | air with a termin | al speed | ν,: What should | d be the | terminal speed of rain |
| 7/ | M | MAMON | B. | 2v, | C. | 4v _i | D. | $\frac{v_t}{2}$ |
| 1 | 15) | Bernoulli's equation A. Energy The time period of the | B. | Momentum | C. | Current | D. · | Mass s: $(T_M = \text{Time period at})$ |
| | 15) | | | | and and | | | |
| | | Murree T_K = Time p | | | • | 201 - 201 | | T - T |
| 9 | 16) | A. $T_K \rangle T_M$ In an isolated system | | | | $2T_K = 3T_M$ s and spring is: | D. D. | $T_K = T_M$ Constant |
| | 17) | A. Variable Which of the following A. Pressure | B. ng factors B. | Low has no effect on Temperature | C. the spee C. | High ed of sound in a Density | 10 May 10 | Humidity |