Fed	PHYSICS HSSC-I
NOTE 1-2.	SECTION-A (Marks 17) allowed: 25 Minutes - Section-A is compulsory and comprises pages all parts of this section are to be answered on the
first Super Do no	Section-A is compulsory and comprises pages all parts of this section are to be answered on the ion paper itself. It should be completed in the 25 minutes and handed over to the Centre intendent. Deleting/overwriting is not allowed, t use lead pencil.
Q1. i.	Circle the correct option i.e. A / B / C / D. Each part carries one mark. Boltzmann constant & A / where 'R' is the general gas constant and 'Nu' is Avogadro's number. What is the SI number of
	is the general gas constant and "N _A " is Avogadro's number. What is the SI units of "k"?
ii.	A Jmol K B Jmolk C JK D JK Which of the following is the
	dimensions of angular momentum? A
н.	Which of die following pairs contains one vector and one scalar quantity? A Torque Angular momentum
iv.	C Impulse Torque D Impulse Energy A nici throws a hall vertically upward
	Minch of the following is the dimensions of anyular momentum? A 10,11 p. 10 p. 10 p. 11 p
v.	A 6 seconds B 2 seconds C 3 seconds D 4 seconds Which of the following quantities is equal to area under velocity - time
	equal to area under velocity - time graph?
vi.	What is equal to one kilowatt - hour (1kWh)? A 36MJ B 36µJ
vii.	Distance D
	range is equal? A 10° 80° B 10° 40° C 10° 50° D 10° 70°
viii.	Two vectors \vec{A} and \vec{B} are enclosing an
101	angle " θ " For which value of θ , $[\vec{A} \times \vec{B}] = [\vec{A} \cdot \vec{B}]^2$. A 90 B 0 C 45 D 60 A house of wars " \vec{a} " cells down an
	A house of mass rm' rolls down an inclined plane of height 'h', reaches the bottom with linear electry 'a mai ignored, what is the total energy of the hoop at the bottom of inclined plane?
	ignored, what is the total energy of the hoop at the bottom of inclined plane?
	A mb
ж.	what is the length of simple pendulum whose time period is one second? A 0.25 m B 2.00 m
xi.	C 'mv² D 'mv² What is the length of simple pendulum whose time period is one second? A 0.75 m B 2.00 m C 0.99 m D 0.50 m For a mass spring system placed on a smooth horizontal surface oscillating with amplitude "x _s ". At what displacement from the mean position energy it's equal to its elastic potential energy. B x _s B x _s B x _s B x _s
	displacement from the mean position energy it's equal to its elastic potential energy?
	A 1 B x C 1 D 102
xii.	When two notes of frequencies " f_1 " and " f_2 " are sounded together, beats
	are produced. If $f_1 > f_2$ what will be the period of beats?
xiii.	
	ammeter is 0.5 A. Which of the following correctly expresses this
xiv.	result? A 500 MA B 50 mA C 50 MA D 500 mA A stationary sound wave has series of nodes. The wavelength of the sound wave is "3." What is the distance between first and fifth node.
	wave is "\u00e4". What is the distance between first and fifth node.
xv.	
	G D D Milk Which of die following expressions does not have the units equal to joule? Where "P" is the linear momentum and "m" is the mass of the object moving with velocity "V".
XVI.	C inve ² S Fv A converging lens of focal length '/' is used as a magnification when final image is formed at infinity? Where "d"
_	A (B 1+d
xvii.	C $1+\frac{I}{d}$ D $\frac{d}{I}$ When light of wavelenoth $^*\lambda$ is incident on a lens of diameter "D" What is the correct expression for its resolving power?
	A 122.0 B
	C 1224 D 8
	PHYSICS HSSC-I
NOTE quest provid	PHYSICS HSSC-I allowed: 2:35 Hours Total Marks. Section 8.4 C: 98 - Section-'5' and 'C' comprises pages 1-2 and ions therein are to be answered on the separately feed answer book. Asswer all questions from
NOTE quest provid Section sheet neath	PHYSICS HSSC-I ellowed: 2:35 Hours Total Marks Section 8 & C. 88 - Section-'S and 'C' comprises pages 1:2 and ons therein are to be answered on the separatety ded answer book. Answer at questions from in 8' and Section C'. Use supplementary answer is. Sheet 8 if required. Write your answers your
guest provid Section sheet neath	PHYSICS HSSC-I allowed: 235 Hours Total Marks Section 8.8.C.68 - Section-3° and C' romprise pages 1-2 and ons therein are to be answered on the separately ment of the section of the separately ment of 8° and Section C' Use supplementary answer is. Sheet 5 if required. Write your answers your and legibly. SECTION - B (Marks 42)
Time NOTE quest provid Section sheet neath Q.2	PHYSICS HSSC-1 allowed 2.35 Hours List Manus. Section 8.C.68 1- Section 72 and 12 romprises pages 1.2 and not therein are to be asserted on the separately not 8 and Section 72. Use supplementary assert not 8 and Section 12. Use supplementary assert SECTION - B (Marries 4.2) Aftering a my FOUNETTE parts. The 5 to Silines cach. (14 × 3 = 42) Spood vid sound waves Woogh are is v
guest provid Section sheet neath	PHYSICS HSSC-1 allowed 2.35 Hours List Manus. Section 8.C.68 1- Section 72 and 12 romprises pages 1.2 and not therein are to be asserted on the separately not 8 and Section 72. Use supplementary assert not 8 and Section 12. Use supplementary assert SECTION - B (Marries 4.2) Aftering a my FOUNETTE parts. The 5 to Silines cach. (14 × 3 = 42) Spood vid sound waves Woogh are is v
quest provide Section sheet neath Q.2 (ii)	PHYSICS 1SSC-1 To train the control of the control
quest provide Section sheet neath Q.2 (ii)	PHYSICS HSSC-1 to the control of the
quest provide Section Section sheet neath Q.2 (ii) (iii) (iii)	PHYSICS HSSC-1 to the control of the
quest provis Sectic sheet neath Q.2 (i) (ii) (iii) (iv)	PHYSICS HSSC-1 to the control of the
quest provision Section (ii) (iii) (iii) (iv) (v)	PHYSICS HSSC-1 The state of 19 has a street of the separate o
quest provis Sectic sheet neath Q.2 (i) (ii) (iii) (iv)	PHYSICS HSSC-1 interests are consistent to call and the consistent to the amount of the consistent to call and the consistent to the consistent to call a consistent force of the call and call a consistent force of the call a consistent force of the call and call and call a consistent force of the call and call and call a consistent force of the call and call and call a consistent force of the call and call a
quest proving the	PHYSICS HSSC-1 interests are consistent to call and the consistent to the amount of the consistent to call and the consistent to the consistent to call a consistent force of the call and call a consistent force of the call a consistent force of the call and call and call a consistent force of the call and call and call a consistent force of the call and call and call a consistent force of the call and call a
quest proving the	In the Particle History of the
quest proving the	PHYSICS HISCA: The control of the c
questi province questi province questi province que que tente que que que que que que que que que qu	PHYSICS HISCA: The control of the c
quests provided (ii) (iii) (iii) (iv) (vi) (vii) (viii) (ix) (xi)	service provides the provides of the provides
quests provided (ii) (iii) (iii) (iv) (vi) (vii) (viii) (ix) (xi)	service provides the provides of the provides
quest que	service provides the provides of the provides
quests proving (i) (ii) (iii) (iii) (iv) (vi) (vii) (viii) (ix) (xi) (xii)	service provides the provides of the provides
quest que	Interest Case Section 1 to 1
quest que	Interest Case Section 1 to 1
quest que	Interest Case Section 1 to 1
quest que	Interest Cartification of the control of the contro
(xi) (xi) (xi) (xi) (xi) (xi) (xii) (xiii)	Interest Cartification of the control of the contro
(xi) (xi) (xi) (xii) (xiii) (xiiii) (xiiii) (xiiii) (xiiiii) (xiiiiiiiiii	section PLYSICS HSSC-I amount 1 to 12. **CAT STATE OF THE STATE OF TH
(xi) (xi) (xi) (xi) (xi) (xi) (xii) (xiii)	section PLYSICS HSSC-I amount 1 to 12. **CAT STATE OF THE STATE OF TH
(xi) (xi) (xi) (xii) (xiii) (xiiii) (xiiii) (xiiii) (xiiiii) (xiiiiiiiiii	section PLYSICS HSSC-I amount 1 to 12. **CAT STATE OF THE STATE OF TH
queet quee	CONTRICTS HISSC-1 CONTRICTS HIS
queeta q	CONTRICTS HISSC-1 CONTRICTS HIS
queet quee	CONTRICTS HISSC-1 CONTRICTS HIS
(ii) (iii) (iii) (iv) (vi) (viii) (xii) (xiii) (xiiii) (xiiii) (xiiii) (xiiii) (xiiii) (xiiii) (xiiiii) (xiiiii) (xiiiiiiiiii	PRINCICS HISSC-1 Management of the transport of the tran
Quantities Qua	PHYSICS HSSC-I was been as we be assembled and the spatial section of the spatial section
Quantities Qua	PHYSICS HISSC-I Manual Tablana. Trend and the separation of the s
Q Q Q Q Q Q Q Q Q Q	PHYSICS HISSC-1 was became any to be assembled and the spatiality of the spatiality
(ii) (iii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiiii) (iiiii) (iiiiiiiiii	THE STATE OF THE S
(iii)	PHYSICS HISSC-I was became any to be amounted an the separation of the separation o