Roll Number In Figures: In Words:	PR IX(01) PHYSICS OF	Signature/Stamp:
	(For Board's Offic	
For English Med PHY	ium Students SICS (New)	Fic. No(For Board's Office use only)
	9th (Fresh/Rea	
Time Allowed: 2		Marks: 65 this paper i.e Section A,B,
and C.	e THREE section is	Titlis paper i.e Section A,D,
	1-A on the same p	aper and return it to the
Superintendent v	within the given tim	ie.
No marks will Overwriting. Ma	l be awarded forks of Identificati	or Cutting, EasingOor
		or Cutting, Erasing Orlond UFM case, the examination hall.
Q-1. Write th	e correct option i.e.	TION-A Marks:- 12  A, B, C or D in the empty
(A) Copper (B		lastic (D) None A
expansion is		icient of linear and volume
iii. Anti cloc	ek wise torque is tal	y=4a (D) None A
(A) Negative (B) iv. The unit	of stress is	rallel (D) Zero COM  Note of the control of the con
(A) Nm v. 32° F is	(B) Many of the last of the la	(m² (D) J A
		o <sup>o</sup> C (D) 305 <sup>o</sup> C B kg suspended from a rope.
What is the result	tant force acting on (C) 20N	the mass?
vii. The prefi	x micro means a factor of the second of the	ctor of
viii. A machir	res is able to lift 200	okg of bricks vertically up in 50 S. What is the power
6 (1)	T. 1	
ix. Barometo (A) Density (B)	er is used to sheafar	al (D) Atmospheric B
	pressure press ripetal acceleration	ure pressure
xi. The leng		n followed by a body durig
	displacement (C)	Distance (D) A & B B
(A) 6.67x10 <sup>-11</sup>		nstant "G" in SI unit is  (D) None A
For English Me		
ror Engusii Me	PR IX (01)	15 National Continues
	PHYSICA PREA	ppear) and Section-C is 2 Hours
Note:- Time al and 45 Minutes.		and Section-C is 2 Hours
	SECTION-I any EIGHT parts	Marks: 32  Each part carries equal
marks.  1. Disting	guish between ba	se and derived physical
quantities?  2. Define	vector and scalar qu	antities.
3. What is motion in a circ		Give three examples of a
4. How you	ou would determine body?	e the centre of gravity of
5. State a Gravition.	and explain the M	Is at a speed of 15000 meter
per second. Ca	lculate its Kinetic Er	nergy.
8. What i		Principle.  tween force of gravity and
force of gravita 9. Why d		ower or faster rate than sea
water? Explain  10. How n		erated when 1g of mass is
	verted into energy?	l in a thermos flask?
Note:- Attempt		TION-C Marks: 21  All questions 245 Coqual
marks.	HI CAN	All questions and
Q-III (a) disadvantages of	Also Also	describe advantages and

stopping.

Q-IV (a) Explain the rectangular components of a vector, with the help of example. (b) The mass of earth is 6 x 1024 kg. Using newton's Law of universal Gravition, Find the radius of Earth. Q-VI (a) Explain radiation of heat. Describe any three

slow at constant rate of 3 ms-2, find how far it goes before

(b) A truck moving at a speed of 20 ms-1 begins to

of its applications. (b) How much heat is required to increase the temperature of 0.5kg of water from 10°C to 65°C?