BOARD OF INTERMEDIATE EDUCATION, KARACHI

INTERMEDIATE EXAMINATION, 2016 (ANNUAL)

For Failure, Improvement of Grade & Candidates Only Additional Subject Candidates Only 9:30 a.m. to 9:50 a.m.

<u>PHYSICS PAPER – I</u>

(Science Groups)

Max. Marks: 17 Time: 20 minutes

The correct answers are

1.

SECTION 'A' E QUESTIONS)

Write this Code No. in the Answerscript.

highlighted	in red colour.	(MULTIPLE CHOICE QUESTIONS) – (M.C.Qs.)
NOTE:	i)	This section consists of 17 part questions and all are to be answered.

Each question carries one mark. ii) Do not copy the part questions in your answerbook. Write only the answer in full against the proper

- number of the question and its part.
- iii) The code of your question paper is to be written in bold letters in the beginning of the answerscript.
- The use of scientific calculator is allowed. All notations are used in their usual meanings. iv)

Select the most appropriate answer for each from the given options:												
i)		stance, equal to the stance to	the radius of	f the earth,		surface of	f the earth one nint		e of grav	ritational zero		
ii)	The wo	rk done along th	ne closed na		_	field is:	one min	.11		2010		
11)	*	Positive	* *	Nega		*	Zero		*	Infinite		
iii)	The ber	nding ability of I Interference	light around *		le is known rization	n as:	Refracti	on	*	Diffrac	tion	
iv)	Two pe	rpendicular vec 5 units *		magnitude nits	3 and 4 un	nits are add	ded. The 1	magnitud *	le of results	ltant vect	or is:	
v)	In Your	ng's double slit of Increase		if separati crease	ion betwee		ncreased, the same		ge spacin	-	Infinity	
vi)	This ins	strument is used Telescope	to study the	-	of lumino oscope	ous bodies: *	Spectro	ometer	*	Magnif	ying glass	
vii)	The dot	product of forc	e and veloc	•	eleration	*	Energy		*	Torque		
viii)	Two forces, which are equal in magnitude but opposite in direction and not acting along the same straight line,									ght line,		
	form: *	Circle	*	Cou	ple	*	Power		*	Torque		
ix)	The ma	ximum number		that the l	numan ear *	can detect	is:	*	9			
x)	The pov	wer of a convex	lens is 4 die	opter. Its fo	ocal length	is:						
	*	10 cm	*	20 cı	m	*	25 cm		*	50 cm		
xi)	A car tr	avelling at a con	nstant speed						celeration		2	
	*	$4m/s^2$	*	40 n	n/s^2	*	200 m	$/s^2$	*	20001	n/s^2	
xii)	The ang	gle subtended at	its centre b	y an arc w	hose lengtl	h is equal t	to its radiu	us, is:				
	*	37.5°	*	47.3	3°	*	57.3°		*	67.3°		
xiii)	The vel	o <u>city o</u> f sound i	n space is:									
	*	zero *	33	0m/s	*	332 m	s/s		*	344 m	/ s	
xiv)	If the m	hass of the bob of be doubled	of a simple p		s doubled, me fourfol		eriod will *	: be halv	ed	*	not change	
xv)	Candela	a is the unit of: Luminous Interest	tensity	*	Power	:	*	Current		*	Distance	
xvi)	Dimens	ion of velocity	is:									
	*	L^2		T^{-1}	*	LT^{-2}		*	LT^2			
xvii)	Time ra	te change of lin Power *		tum of a boork done	ody is calle	ed: <mark>Force</mark>		*	Momen	t arm		
						3 7						