BOARD OF INTERMEDIATE EDUCATION, KARACHI INTERMEDIATE EXAMINATION, 2016 (ANNUAL)

Date: 03.05.2016 9:30 a.m. to 9:50 a.m.

PHYSICS PAPER - I

(Science Groups)

SECTION 'A'	
MULTIPLE CHOICE QUESTION	NS) – (M.C.Os.



Max. Marks: 17

Time: 20 minutes

	highlighted	d in red colou	ır. (M	ULTIPL	<u>Е СНО</u>	<u>ICE QU</u>	JEST	IONS	<u>) – (M.(</u>	<u>C.Qs.)</u>	60	NG IV	1011/11/11/11/11/11/11/11/11/11/11/11/11
N(TE:	i)		ction consist			ns and	l all are	to be ansv	wered.	Write this	Code No.	in the Answerscrip
	Each question carries one mark. ii) Do not copy the part questions in your answerbook. Write only the an							y the ans	nswer in full against the proper				
		number of the question and its part. The code of your question paper is to be written <u>in bold letters</u> in the beginning of the answerscript.											
		iv)		of scientific									
1.	Select t	he most ap	ppropriate an	swer for eac	h from th	e given oj	ptions	•					
	i)	One radi	an is equal to 1º): *	7	5.3°		*	57.3°		*	0.017°	
	ii)	One kilo	watt hour is		/ -				57.5			0.017	
	11)	*	$3.6\times10^6 J$	¬ ^	3	$.3 \times 10^9 J$	r	*	3.9×10	$)^6 J$		*	$3.6 \times 10^{9} J$
	iii)		rating bodies Echo	, having slig *	_	erent frequ eats	encie	s, produc *	ce: Resonan	ice	*	Polariza	ntion
	iv)	If $\overline{A} \Box \overline{B} =$	$=0, \ \overline{A} \times \overline{B}$	$=0$ and $\overline{\overline{A}}$	$\neq 0$, the	n vector \bar{I}	\overline{B} is:						
		*	Equal to \overline{A}	*	Pa	arallel to	\overline{A}		*	Perpen	dicular to	\overline{A}	* zero
	v)	Kinetic f * *	riction is alw greater than less than sta	static frictio		*		equal to zero	static fric	ction			
	vi)	The dime	ensions of G	are:									
		*	$M^{-1}L^3T^{-2}$		*	M	I^2L^2T	-2	*	$M^{-1}L$	$^{2}T^{-2}$	*	MLT^{-2}
	vii)	*	ty of a body in the directi perpendicula	on of veloci	ity		cceler	ation is: * *			direction		ity
	viii)		of change of Linear mom	-	_	s also kno <mark>orque</mark>	own as	»: *	Force		*	Energy	
	ix)		ance, equal to	twice of th	ne radius o	of the eart	h, abo	ve the si	urface of t	the earth	n, the valu	e of grav	itational
			ion will be: One half	*	Oı	ne fourth		*	Four tim	ies	*	One nir	nth
	x)	*	e of audible 1 Hz – 19 H 21000 Hz –	Z		*			- 20000 H Hz – 5000				
	xi)		litions of inte Diffraction	erference in		are revers nase coher		e to:	*	Refract	tion	*	Phase reversal
	xii)	The mag	nifying powe	er of a lane o	of focal la	$\frac{1}{m}$	1 ic.						
	AII)	_	1 dioptre	*		2	13.	*	50 diopt	r os		*	100 dioptres
	xiii)		ation represe		· ·	dioptres			30 diopi	168		·	100 diopties
	XIII)	*	$m\lambda = 2ds$			$i\lambda = d \sin \theta$	n $ heta$	*	$2m\lambda =$	$d\sin\theta$	9	*	$2m\lambda = 3d\sin\theta$
	xiv)		ance between Aperture	the principa		nd the opt adius of cu			called:	Focal l	ength	*	Principal axis
	xv)	If \hat{i} , \hat{j} a	and \hat{k} are un	it vectors, tl	hen $\hat{k}\Box~\hat{i}$	$\times \hat{j}$ is ea	qual to):					
		*	zero	* 01	ne	*		\hat{j}		*	\hat{k}		
	xvi)	The angl	e between ce	entripetal acc	celeration	and tange	ential	accelera	tion in cir	cular m	otion is:		
		*	180°	* 0	o	*		90°		*	45°		
	xvii)	Kitabul I	Manazir was <mark>Ibn-Al Hait</mark>		Al	l Razi		*	Abu-Rel	han Al I	Beruni	*	Jabir bin Hayyan

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