Class 8 Time: 3 hrs.

PHYS	ICS (Ti	me : 1 hr.; M	ax. Ma	rks : 30)						
Multipl (1x6=6		e questions:								
1.		of the followin Pupil	g contro b)	ols the amount Iris	of light c)	enterin Cornea	_	ye? d)	Ciliary musc	cles
2.	Which a)	of the followin Red	g coloui b)	rs bends the m Blue	ost whe	n light <sub>l</sub> Yellow		through d)	a prism? Violet	
3.	In a Ka a)	aleidoscope, th 60°	e mirro b)	rs make an ang 45°	gle of c)	90°	with ea	ch othe d)	r. 30°	
4.	Ball bearings are useful because a) rolling friction > sliding friction b) rolling friction < sliding friction c) rolling friction = sliding friction d) they require less maintena									
5.	Which a) c)	of these canno Direction of m Shape		anged by force	acting b) d)	on a bo State o Mass				TI
6.	Which a) c)	of these is use Barometer Pressure Gau		easure th <mark>e pres</mark>	sure ex b) d)	Manon				
7.	What o	causes refraction	on of lig	ht when it pas	ses from	n one m	edium t	to the o	ther?	(1)
8.		ate the number espect to each		ges formed if t	wo mirr	ors are	placed	at an ar	ngle of 20°	(2)
9.	Write two differences between myopia and hypermetropia. (Diagram NOT required). (2)									
10. friction	a) Give two advantages of friction in daily life. Also give two methods of increasing									
	b) What causes friction?									(2+1)
11.	State the laws of reflection. List two characteristics of an image formed by a plane mirror.									
12.	Draw a neat and well labeled diagram to show the refraction by a glass slab.  What is meant by lateral displacement? (2+3)									

Differentiate between contact and non-contact force. Give two examples of each.

13.

a)

	b) What will be the amount of pressure exerted by a brick which applies a force when (i) it is placed upright on the soil and (ii) it is placed on its widest base?											
		when (i) it is placed upright on the soil and (ii) it is placed on its widest base? The dimensions of the brick are $25cm \times 10cm \times 5cm$ . (2+3)										
14.	a)	Draw a complete ray diagram to show the position of the image formed by a convex lens when the object placed between O and F. List the characteristics of image so formed.										
	b)	Define optical centre.										
CHEMISTRY (Time: 1 hr.; Max. Marks: 30)												
Multip 1.		ce Questions: s react with oxy	ugen to	form						(1x6=6)		
metal	a)	Acidic Oxide	ygen to	101111	b)	either	acidic or bas	sic oxide	dependir	ng on the		
metar	c)	basic oxide			d)	no rea	action.					
2.	Which a)	of these is a f Rayon	ibre der b)	rived fro Cottor		nicals? c)	Nylon	d)	Silk			
3.	The p	of copper, silviece that will g	et a coa	ting of					•			
	a)	Iron	b)	Silver		c)	Gold	d)	none (	of them.		
4.	Which a)	gas is evolved Hydrogen	l when i b)	metals r Oxyge		th acids	s? Carbon dio	xi <mark>de</mark>	d)	Water.		
5.	•	netal most used	1						0			
	a)	iron	b)	coppe	er	c)	alumini <mark>um</mark>		d)	tin		
6.	Which a)	of these plast Perspex	ics can b)	be used Teflor		late the c)	e hollow w <mark>alls</mark> Polystyrene	_	jerators? d)	Polyethene.		
7.	What is plastic? What is a common property of all plastics?											
(1)												
8. (½x4:		the following:	-									
(/=//.	a)	The main sou										
<ul><li>b) Synthetic fibre used for making socks and stockings.</li><li>c) Plastic used as a covering for electric wires.</li></ul>												
	d)	Plastic used f	or maki	ng table	e tops.							
9.	Define	e the terms:	a)	Non-n	netals		b)	Ducti	lity	(2)		
10.		lete and baland	ce the fo	ollowing	g equation	ons:						
(1x3=	a)	Na + $H_2O \rightarrow$										

	b)	Al + HCl	$\rightarrow$								
	c)	Cu + O <sub>2</sub>	$\rightarrow$								
11. (1x3=		er the followir	ng quest	tions:							
•	a) b) c)	Give any tw	o uses o	ems associated of polyester. I a regenerated		proper d	isposal of plas	tic goods?			
12. reaso	(i)			_		l occur in	the following	reaction. Give			
1000	(ii)		vo uses	of graphite.	Civio ropo						
	(iii)	School Delis	are ma	ide of metals.	Give reas	son.					
(1x3=	=3)										
13.	a) b)	What is a m	etalloid	? Give one exa		nermoset	tting plastic. (2	2 points)			
	c) d)	What is 4R Give the cha		e? stics property	and the u	ises of th	ne following:				
		i) Pers	pex		ii)	Teflon					
	(1+1-	+1+2)									
14. (½x1		er the followir	ng quest	tions:							
	a) b)	What is the Name the o		ommon form o	of silica?						
	c)	Give an exa	mple fo	r a noble gas	element.						
	d) e)	Name a soft metal.  Name the metal which is the best conductor of electricity.									
	f) g)	Name the metal which is used for packing food.  Non-metal which is used in skin-ointments.									
	h)	Name the m	nost abu	ındant elemen							
	i) j)	Name a lique Name the p		metal. n of carbon.							
ВІО	LOGY (	Time : 1 hr.;	Max. I	Marks : 30)							
Multip	ole Choi	ce Questions:						(			
1.	Which a) c)	n of these cau Sewage Fertilizers a		•		b) d)	Industrial wa All of these.	este			
		gg of a hen is									

3.	Which of these do not have a regular cell structure?											
	a)	Bacteria	b)	Viruses	c)	Algae	d)	Protozoa				
4.	Microorganisms spread through											
	a)	,										
5.	Which of these does not prevent growth of bacteria?  a) Salt b) Sugar c) Water d) Oil											
_	a)		b)	Sugai	c)	vvatei	d)	Oli				
6.	Amoel a) Name	Bacterium the following.	b)	Virus	c)	Fungus	d)	Protozoa (1/2	7. x4=2)			
	a)	Control center			•							
	-	b) Spherical shaped bacteria										
	d)	<ul><li>c) Power house of the cell</li><li>d) Sac like organelle in the plant cell which store food, water or waste</li></ul>										
0	· · · · · · · · · · · · · · · · · · ·											
8.	a) b)			_	aster in	summer than i	n winter	?	(2)			
9.	Which	microorganism	s act as	decomposers	? How is	s this activity u	seful to	us?	(2)			
10.	How d	o viruses cause	diseas	e?					(2)			
11.	Ctata t	the function of						<b>/</b> 1/	· v4-2)			
11.	a)	Cilia	b)	Chloroplast	c)	Ribosomes	d)	Centrosome	2x4=2)			
	,		1				1					
12.	What a	are the main po	oints of	cell theory? (a	ny <mark>4)</mark>				(2)			
13.	Give 4	ways to conse	rve wat	er.					(2)			
	,											
14.	Draw a neat & labelled diagram of animal cell & state any 3 differences between plant cell & animal cell.											
15. germs.	i) Discuss the different methods available to us for making water potable by killing											
	ii) What are water pollutants?											

-X-X-X-X-X-X-