

ST. XAVIER'S SENIOR SECONDARY SCHOOL, DELHI – 110054 Summative Assessment II in **SCIENCE** – **Std. 8** 21-2-2015

M. Marks: 90 Time: 3 hrs.

Roll No	:							Total printed	d pages : 02	
PHYSICS (Time: 1 hr.; M. Marks: 30)										
		OICE QUESTIC			_				(1x6=6	marks)
1.	In whice a)	ch medium doe Air	es sound b)	I travel fastest Vaccum	:?	c)	Water	d)	Steel	
2.	The ho	ottest planet in Mercury	the sola b)	r system is Venus		c)	Earth	d)	Mars	
3.	Which a)	of the following Sputnik	g is the b)	largest astero Aryabhatta	id?	c)	Ceres	d)	Halley	
4.	Sound a)	of which of the 5Hz	e followi b)	ng frequency 15Hz	can you	hear? c)	400Hz	d)	50000Hz	
5.	Which a)	of these is exp Cemented wa		be the best ab) Iron	absorber	of sour c)	nd? Wool	d)	All of these	
6.	Which a)	star seems to Ursa Major	be station	onary when se Cassiopia	en from	the ear	th? Sirus	d)	Polestar	
7.	How d	oes a lightning	conduct	tor work?						(2)
8.	What i	s Richter scale	? Why o	do we say that	t it is not	t a linea	r scale?			(2)
9.	Define	electroplating.	What a	re the advanta	ages of e	electrop	lating iron v	vith Chron	nium?	(2)
10.	State a	any four uses o	f artificia	al satellites.						(2)
11.	Differe	ntiate between	stringe	d, wind and p	ercussio	n instru	ments.			(3)
12.	Draw a circuit diagram showing a dry cell connected to a bulb through a switch. Mark the positive and negative terminal of the cell and show the flow of conventional and electronic current.								(3)	
13.	a) b)	,								
14.	a) b)	· · · · · · · · · · · · · · · · · · ·								
CHEM	1ISTR	Y (Time: 1	hr. ; N	1. Marks : 3	30)					
MULTI	PLE CH	OICE QUESTIC	NS:						(1x6=6	marks)
1.	Which a)	of the following Kerosene	g is not b)	obtained as a Natural Gas	fraction c)	_	the refining ating oil	of petrole d)	eum? Bitumen	
2.	Coal m	nainly contains:								
	a) c)	Carbon Carbon, Hydro	ogen and	d Nitrogen	b) d)		and Hydro n, Nitrogen a	-	en	
3.	Which a) Co	poisonous gas al gas b)		ed as a result n monoxide		-	ombustion? o dioxide	d) N	itrogen oxide	
4.	Which a)	compound is a Lead	dded to b)	petrol to prev Carbon	vent eng c)	ine fron Sulphu		causes po d)	ollution of air? Carbon dioxi	de.
5.		of the following		ound damage b) Petroleum		•	in the atmo rogen oxide	•	atural Gas	
6.	Which a)	of the following Carbon dioxid	-	_	gas? Is oxide	c)	Methane	d)	Nitrogen	
7.	Define	Ignition tempe	erature.							(1)
8.	 a) Write the properties and compostion of Magnalium. b) Give the names and composition of alloys are used for the following: i) Joining wires in electronic equipments. 									
9.	a)	•	g surgica	al instruments						(2)
٥.	b)	Why is CNG p				or vehic	cles?			(2)

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10.	a) Write a short note on non-luminious zone.b) What are the characteristics of a good fuel?c) What do you mean by Spontaneous Combustion?								(3)		
11.	a) What are the advantages of using energy judiciously?b) Distinguish between renewable and non-renewable resources?c) How is coke obtained?									(3)	
12.	Complete and balance the following equation: a) Fe +CuSO ₄ \rightarrow b) Al + H ₂ O \rightarrow c) Na + HCl \rightarrow									(3)	
13.	 a) Give reason: i) Paper cup with water in it does not burn. ii) Hydrogen is expected to be the fuel of the future. b) What are the effects of global warming? c) Draw a neat and a labelled diagram for Soda-acid fire extinguisher. Write the chemical reaction involved. 									(5)	
14.	a) b)	 i) The variety of coal with maximum carbon content. ii) Fuel used in jet aeroplanes. iii) Petroleum product used for road surfacing. iv) Process of conversion of wood into coal is called v) Material which is called 'black gold'. vi) Important source from which naphthalene balls are obtained from 									(3+2)
BIOLOGY (Time: 1 hr.; M. Marks: 30)											
MULTI 1.		OICE QUESTIC found in a part Flora		rea are k fauna	nown	as c)	vulnerable		d)	(1x6=6 r	narks)
2.	WWF v a) c)	works in the fie wildlife conse child labour				b) d)	forest conserva				
3.	a)	of the followin Frog	b)	Cow		nimal? c)	Earthworm		d)	Dog	
4.	a)	sion of sperm a larva	b)	pupa		c)	embryo		d)	zygote	
5.	a)	combination o	b)	XY	,	present c)	in a female? YY		d)	none of these	е
6.	a)	of these is call Pancreas	b)	naster gi Pituitary		c)	Testes		d)	Thyroid	
7.	IORT ANSWER QUESTIONS: (2x7=14 marks)										
7. 8.	Differentiate between endemic and extinct species.										
9.	Define menarche and menopause. How is sexual reproduction different from asexual reproduction?										
10.	What method of irrigation will you use if you live in a dry area with shortage of water? Explain the method.										
11.	What precautions must be kept in mind while sowing seeds in a field? (any two)										
12.	State a difference between a zoo and a wild life sanctuary.										
13.	List the various stages in the life cycle of : (i) a mosquito (ii) a frog										
LONG A	DNG ANSWER QUESTIONS (2x5=10 marks)										
14.	4. Explain how amoeba and hydra reproduce with the help of respective diagrams.										
15.	Name the endocrine gland which secrete the following hormone and state the function of each a) insulin b) thyroxine c) adrenalin d) testosterone e) oestrogen										