

Summative Assessment II in	SCIENCE – Std. 8
25-2-2016	

M. Marks : 90 Time : 3 hrs.

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Roll					Total printed pages :	03
PHY	SICS (T	īme : 1 hr.; M. Marks : 30)				
1.	The p a) c)	oole star is in the constellation of Ursa Major Orion	b) d)	Ursa minor Scorpios	(	1)
2.	In wh a) c)	ich of these current is not due to fl Copper Tap Water	ow of e b) d)	electrons? Aluminum Mercury	(	1)
3.	A boc a) c)	ly can be charged by Rubbing it against another body Bringing a charged body near it		· · ·	) it to a charged boo above methods.	1) dy
4.	The g a) a) b) c)	old leaf electroscope can be used detect charge only. detect and measure charge only detect, measure and find the nat None of the above.		charge.	(	1)
5.	Soun a)	d of which of the following frequen 5 Hz b) 15 Hz	cy can c)	you hear 500 Hz d)	-	1)
6.	An ob a) b) c) d)	bject vibrates with a frequency of 1 It produces sound which we can It does not produce sound. It produces sound which we can It produces sound which we can	hear. not hea	ır.	- · · ·	1)
7.	Differ	entiate between infrasonic and ult	ra soni	c sound.		(1)
	8. a) b)	Distilled water does not conduct electricity. Why? With the help of a diagram show				(2)
9.	a) b)	What is Richter scale? Why does a comb rubbed on hai	r attrac	t pieces of paper	?	(2)
10.	a)	In which of the following the spee	ed of so	ound is minimum?	? Air, water and ste	
	b)	Why do we hear the sound of the	under fo	ew seconds after	we saw the lightnin	ıg?



- c) Calculate the minimum distance (between the source and the reflector) required to hear an echo of the sound produced by a girl. (Given that speed of sound in air is 340m/s).
   (3)
- 11. a) Which comet can be seen after every 76 years?
  - b) Which satellite was sent first into space by India?
    - c) What are the differences between meteor and meteorite? (Any two) (3)
- a) Why is mercury very hot during the day and very cold at night?
   b) Explain why pole star appears to be stationary in the sky and all other stars appear to revolve around it from east to west? (3)
- 13. a) What do you mean by noise?
  - b) Write two main causes of noise pollution.
  - c) Give two methods to control noise pollution in your locality. (1+2+2)
- 14. a) What is meant by earthing?
  - b) Explain how lightning occurs between two clouds during a thunder storm.
  - c) Draw a neat and well labeled diagram of a Gold leaf electroscope. For what purpose it is used? (1+2+2)

## CHEMISTRY (Time : 1 hr.; M. Marks : 30)

1.	Which a) c)	of the followi Brass Duralium	ing alloy	∕s is us	sed to r b) d)	Stainle	lectric heaters ess steel an Silver	s and re	esistors	s? (1)
2.	Which a)	of these is n LPG	ot obtai b)	ned by CNG	refinin	g of pe c)	etroleum? Diesel	d)	Petrol	(1)
3.	Which a) c)	of the followi Bituminous Anthracite	ing is re	gardeo	d as the b) d)	e best o Lignite Peat	quality of coal	?		(1)
4.	Which a) c)	of these is a SPM Nitrogen oxid	-	ollutant	t? b) d)		n monoxide ur dioxide			(1)
5.	Which a)	of the followi Water	ing is no b)	ot a pro Coke	oduct o	f comp c)	lete combusti Carbon dioxi		nethane d)	e? Energy(1)
6.	Which a) c)	of these is n Sulphur diox Carbon mon	ide	lutant ı	unless	presen b) d)	t in excess? Carbon dioxi Nitrogen dio>			(1)
7.	a) b)	Give an exar Define: Calo	•		ammak	ble sub	stance.			(½x2)



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8.	a) b)	•	nd balaı	ide is conside nce the follow		o be a dangero quations: Al + HCl →	ous poll	utant?	(1+1)
9.	Draw	aw a neat and <u>well labelled</u> diagram of a candle flame. (2)							
10.	a) b)	a) What is the colour and name of the compound formed due to corrosion of copper metal?							
11.	a) b)			-		ervation of res o conserve ou			(1+2)
12.	a) b) c) d)	How is coke Give one use i) Coal t	obtaine e of: tar	ition of water ed? ii) Distillation Of	Amr	nonium compo	ounds	(1/2+1/2+	<b>⊦1+1</b> )
13.	a) b) c) d)	Write the na	i mean ng? um is c mes an	by ii) alled black gc	old? the pr	ions? oducts obtaine	ed from	fractional (1+1+	-1+2)
14.	<ul> <li>a) What are the conditions necessary for combustion to take place (three)?</li> <li>b) List any three characteristics of a good fuel.</li> <li>c) Which zone of the candle flame is the hottest and why?</li> <li>d) Write the working of Acid-Soda type of fire extinguisher. Write down the balanced chemical equation involved. (1+1+1+2)</li> </ul>								
		BIOLOG	(Tim	e : 1 hr.; M. N	/larks	: 30)			
1.	Which a)	hormone con Thyroxine	ntrols n b)	netamorphosi adrenalin	s in fr c)	ogs? GH	d)	TSH	(1)
2.	Which a)	combination XX	of sex b)	chromosome XY	is pre c)	esent in male? AXX	d)	XYX	(1)
3.	Which a)	n of these is e Lion	xtinct? b)	Leopard	c)	Dodo	d)	Tiger	(1)
4.	The a a)	nimals found flora	in a pa b)	rticular region fauna		known as endangered	d)	extinct	(1)
5.	Which a)	n of the follow Frog	ing is a b)	hermaphrodi Cow	te ani c)	mal? Dog	d)	Earthworm	(1)



6.	Which of these is called the master gland? a) Pituitary b) Testis c) Thyroid d) Pancreas	(1)							
7.									
8.	List four ways in which forests are useful to us. (2								
9.	Draw the life cycle of a mosquito.								
10.	State the differences between external and internal fertilization with an example for each.								
11.	Explain a) binary fission b) budding with the help of diagrams								
12.	Name any three endocrine glands and the hormones they secrete. (3								
13.	What do you mean by endemic, extinct and endangered species?								
14.	State any three differences between manure and fertilizers. (3								
15.	Draw a well labelled diagram of nitrogen cycle. Also explain each step briefly. (5								

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