SCIENCE – Std. 8				Marks : 90 ne : 3 hrs.				
Roll				Total printed pages :	03			
PHY	SICS (1	Гіme : 1 hr.; М. Marks : 30)						
1.	The p a) c)	oole star is in the constellation of Ursa Major b) Orion d)	Ursa minor Scorpios		(1)			
2.	In wh a) c)	ich of these current is not due to flow of Copper b) Tap Water d)	electrons? Aluminum Mercury		(1)			
3.	A boo a) c)	dy can be charged by Rubbing it against another body Bringing a charged body near it	,	it to a charged bo above methods.	(1) ody			
4.	The g a) a) b) c)	gold leaf electroscope can be used to detect charge only. detect and measure charge only. detect, measure and find the nature of None of the above.	charge.		(1)			
5.	Soun a)	d of which of the following frequency car 5 Hz b) 15 Hz c)	you hear 500 Hz d)	50000 Hz	(1)			
6.	 An object vibrates with a frequency of 15 Hz. Which of the following is true? (1) a) It produces sound which we can hear. b) It does not produce sound. c) It produces sound which we cannot hear. d) It produces sound which we can hear if we strain our ears. 							
7.	Differ	Differentiate between infrasonic and ultra sonic sound. (1)						
	8. a) b)	Distilled water does not conduct electricle electricity. Why? With the help of a diagram show each			(2)			
9.	a) b)	What is Richter scale? Why does a comb rubbed on hair attract pieces of paper?						
10.	a)	In which of the following the speed of s	ound is minimum?	Air, water and ste	eel.			
	b)	Why do we hear the sound of thunder t	ew seconds after w	ve saw the lightni	ng?			

	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).						
11.	a) b) c)	Which comet can be seen after every 76 years? Which satellite was sent first into space by India? What are the differences between meteor and meteorite? (Any two)						
12.	a) b)	Why is mercury very hot during the day and very cold at night? 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) b) c)	What do you mean by noise? Write two main causes of noise pollution. Give two methods to control noise pollution in your locality. (1+2+2)						
14.	a) b) c)	What is meant by earthing? Explain how lightning occurs between two clouds during a thunder storm. Draw a neat and well labeled diagram of a Gold leaf electroscope. For what purpose it is used? (1+2+2)						
		For what purpose it is used? (1+2+2)						
		CHEMISTRY (Time: 1 hr.; M. Marks: 30)						
1.	Which of the following alloys is used to make electric heaters and resistors? a) Brass b) Stainless steel c) Duralium d) German Silver (1)							
2.	Which a)	of these is not obtained by refining of petroleum? LPG b) CNG c) Diesel d) Petrol (1)						
3.	Which a) c)	of the following is regarded as the best quality of coal? Bituminous b) Lignite Anthracite d) Peat (1)						
4.	Which a) c)	of these is a solid pollutant? SPM b) Carbon monoxide Nitrogen oxides d) Sulphur dioxide (1)						
5.	Which a)	of the following is not a product of complete combustion of methane? Water b) Coke c) Carbon dioxide d) Energy(1)						
6.	Which a) c)	of these is not a pollutant unless present in excess? Sulphur dioxide b) Carbon dioxide Carbon monoxide d) Nitrogen dioxide (1)						
7.	a) b)	Give an example of an inflammable substance. Define: Calorific value. (½x2)						

8.	a) b)	Complete a		kide is conside nce the follow			•	utant?	(1+1)	
9.	Drav	v a neat and w	∕ell labe	lled diagram	of a ca	ndle flame.			(2)	
10.								to corrosion		
	b)	of copper metal?								
11.	a) b)									
12.	a) b) c) d)	b) How is coke obtained? c) Give one use of: i) Coal tar ii) Ammonium compounds							+1+1)	
13.	a) b) c) d)	b) What do you mean by i) refining? ii) fractions? c) Why petroleum is called black gold?								
14.	a) b) c) d)	b) List any three characteristics of a good fuel.c) Which zone of the candle flame is the hottest and why?								
4	14/1:		•	ŕ		•				
1.	a)	ch hormone co Thyroxine	bntrois r b)	netamorpnosi adrenalin	c)	gs? GH	d)	TSH	(1)	
2.	Whice a)	ch combination XX	of sex b)	chromosome XY	is pres	sent in male? AXX	d)	XYX	(1)	
3.	Whice a)	ch of these is of Lion	extinct? b)	Leopard	c)	Dodo	d)	Tiger	(1)	
4.	The a)	animals found flora	in a pa b)	rticular regior fauna		nown as ndangered	d)	extinct	(1)	
5.	Whic a)	ch of the follow Frog	ving is a b)	hermaphrod Cow	ite anin c)	nal? Dog	d)	Earthworm	(1)	

6.	Which of these is called the master gland?								
	a)	Pituita	ıryb)	Testis c)	Thyro	oid	d)	Pancreas	(1)
7.	Give one word for the following: a) The stage of life when the body becomes capable of reproduction. b) The period of transition from a child to an adult. c) The first period that a girl has. d) The stoppage of the menstrual cycle.								
8.	List four ways in which forests are useful to us.								
9.	Draw the life cycle of a mosquito.								(2)
10.	State the differences between external and internal fertilization with an example for each.								(2)
11.	Explai	in	a)	binary fission	b)	budding with	the he	elp of diagram	s.(2)
12.	Name any three endocrine glands and the hormones they secrete. (3								(3)
13.	What do you mean by endemic, extinct and endangered species?								(3)
14.	State any three differences between manure and fertilizers.								
15.	Draw a well labelled diagram of nitrogen cycle. Also explain each step briefly. ((5)