

Roll No:

M. Marks : 90 Time : 3 hrs.

Total printed pages : 02

PHYSICS (Time : 1 hr.; M. Marks : 30)										
MULTIPLE CHOICE QUESTIONS : (1x6=6 marks)										
1.	In whi a)	ch medium does Air b	sound travel o) Vaccu		c)	Water	d)	Steel		
2.	The ho a)	ottest planet in th Mercury b	ne solar syste o) Venus		c)	Earth	d)	Mars		
3.	Which a)	of the following i Sputnik b	is the largest b) Aryab		c)	Ceres	d)	Halley		
4.	Sound a)	of which of the f 5Hz b	following frea o) 15Hz	quency can you	ı hear? c)	400Hz	d)	50000Hz		
5.	Which a)	of these is expect Cemented wall	cted to be the b)	e best absorbe Iron	r of sou c)	nd? Wool	d)	All of these		
6.	Which a)	star seems to be Ursa Major b	e stationary v o) Cassic		n the ea c)	rth? Sirus	d)	Polestar		
7.	How d	oes a lightning co	onductor wo	rk?					(2)	
8.	What	is Richter scale?	Why do we	say that it is no	t a linea	ar scale?			(2)	
9.	Define	electroplating. W	Vhat are the	advantages of	electrop	plating iron wit	h Chron	nium?	(2)	
10.	State a	any four uses of a	artificial sate	llites.					(2)	
11.	Differe	entiate between s	stringed, wind	d and percussion	on instru	uments.			(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)							(3)		
13.	 a) Write an activity to show that sound cannot travel through vaccum. b) In what way loudness of sound depends on amplitude. If amplitude increases four times then by how many times does loudness increase? 						(3+2)			
14.	a) Show the position of main stars in Ursa Major.b) Explain the phases of moon.						(2+3)			
CHEMISTRY (Time: 1 hr.; M. Marks: 30)										
MULT	ULTIPLE CHOICE QUESTIONS : (1x6=6 marks)									
1.	Which a)	of the following i Kerosene b		ed as a fractior al Gas c)	-	the refining of ating oil	f petrole d)	eum? Bitumen		
2.	Coal mainly contains: a) Carbon b) Carbon and Hydrogen c) Carbon, Hydrogen and Nitrogen d) Carbon, Nitrogen and Oxygen									
3.		poisonous gas is bal gas b)	s formed as a Carbon mon		•	combustion? n dioxide	d) N	itrogen oxide		
4.	Which a)	compound is add Lead b	ded to petrol o) Carbo		jine fror Sulphi	-	uses po d)	ollution of air? Carbon dioxi	de.	
5.		of the following on the following of the		amage the ozo troleum		⁻ in the atmosp trogen oxide		itural Gas		
6.	Which a)	of the following i Carbon dioxide	is not a gree b)	nhouse gas? Nitrous oxide	c)	Methane	d)	Nitrogen		
7.	Define	Ignition tempera	ature.						(1)	
8.	 a) Write the properties and composition of Magnalium. b) Give the names and composition of alloys are used for the following: i) Joining wires in electronic equipments. ii) Making surgical instruments. 						(2)			
9.	a) b)	What are the ha Why is CNG pre			tor vehi	cles?			(2)	

Std. 8	3 - 2 -	SCIENCE							
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?								
12.	Complete and balance the following equation: a) Fe +CuSO ₄ \rightarrow b) Al + H ₂ O \rightarrow c) Na + HCl \rightarrow								
13.	 c) Na + HCl → (3) 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) Name the following: The variety of coal with maximum carbon content. Fuel used in jet aeroplanes. Petroleum product used for road surfacing. Process of conversion of wood into coal is called Material which is called 'black gold'. Important source from which naphthalene balls are obtained from b) Draw a neat and labelled diagram for the destructive distillation of coal. (2) 								
BIOL	.OGY (Time: 1 hr.; M. Marks: 30)								
	TPLE CHOICE QUESTIONS :		(1x6=6 marks)						
1.	Plants found in a particular area are known as a) Flora b) fauna c) vulnerable	d)	biosphere						
2.	WWF works in the field ofb)forest conservationa)wildlife conservationb)forest conservationc)child labourd)water conservation								
3.	Which of the following is a hermaphrodite animal? a) Frog b) Cow c) Earthworm	d)	Dog						
4.	The fusion of sperm and egg produces a) larva b) pupa c) embryo	d)	zygote						
5.	Which combination of sex chromosomes is present in a female? a) XX b) XY c) YY	d)	none of these						
6.	Which of these is called the master gland? a) Pancreas b) Pituitary c) Testes	d)	Thyroid						
SHOR	RT ANSWER QUESTIONS : (2x7=14 marks)								
7.	Differentiate between endemic and extinct species.								
8.	Define menarche and menopause.								
9.	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? (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 ANSWER QUESTIONS (2x5=10 marks)									
14.	Explain how amoeba and hydra reproduce with the help of respective diagrams.								
15.	Name the endocrine gland which secrete the following hormone and staa)insulinb)thyroxinec)d)testosteronee)oestrogen	te the f adrer							