# **Class-XI, Entry Test Sample Papers**

# **Physics**

### Fill in the blanks.

1.	The mass of a proton is		times th	e mass o	f an elect	ron.		
	a. 1/1836		1836	C.	1.67 x 1		d.	1800
2.	Radio waves travel through			m				
	a. 3 x 10 <sup>12</sup>		3 x 10 <sup>11</sup> c.			$3 \times 10^{8}$		
3.	The penetrating power of					hat of $eta$ -	- rays:	
	a. 2	b.	100	C.	50		d.	4
4.	The property of sound by	which a s	hrill sound is disti	nguished	l from a f	late or gr	ave one i	s called.
	a. Quality		Loundness	c.	Intensity	_	Pitch	
5.	The speed of sound in air	is	than a	man's vo	ice.			
	a. 1450	b.	1480	C.	330		d.	5130
6.	A woman's voice is of high	ner	th	an a man	's voice.			
	a. Velocity	b.	Frequency	C.	Wave Le	ength	d.	Amplitude
7.	Charge carriers in n-type r	material a	ire					
	a. Electrons	b.	Lons		Protons		d.	Holes
8.	Temporary Magnet is use	d in						
	a. Telephone	b.	Transistor	C.	Electric	bell	d.	Watch
9.	A conducting material has	enormo	us number of					
	a. Proton		Neutron c.			d.	Electron	
10.	Fax machine converts a do	ocument	into					
	a. Electrical signals	b. Rad	lio Wavesc.	Light Sig	nals	d. Mag	netic wa	ves
11.	The unit of frequency is							
	a. Seconds		Decibel c.	Pascal		d.	Hertz	
12.	is necess	ary for pr	opagation of sou	nd.				
	a. Force	-	Vacuum c.		ı d.	Amplitu	de	
13.	A current measuring instr	uments is	called			•		
	a. Voltmeter		galvanometer			er	d.	Speed metre
14.	When ∝particle passes th		_					•
	a. Oxidation				Evapora	tion	d.	Fission
15.	The information stored or	n CD can b	e read by using		· · · · · · · · · · · · · · · · · · ·			
	a. X-rays				er rays		γ- rays	
16.	The ratio of the size of image	age to the	e size of the objec	t is called	ł			
	a. Focal Length b.	Aperture					Principa	l axis
17.	The intensity of sound is e	expressed						
	a. Watt/m <sup>2</sup>	b.	Newton /m <sup>2</sup>	C.	Joule/Se	ec ec	d.	Decibel
18.	Focal length of a spherical	l mirror is	the i	adius of	its curvat	ture		
	a. Twice	b.	Thrice	c.	Half		d.	1/4
19.	The mass of an electron in	n kg is						
	a. 9.1 x 10 <sup>-31</sup>	b.	1.67 x 10 <sup>-27</sup>	C.	6.02 x 1	0 <sup>-23</sup>	d.	6 x 10 <sup>24</sup>
20.	Which lens is used to form	n a real in	nage?					
	a. Convex	b.	Concave c.	Plane		d.	None of	these
21.	Rainbow is formed due to		Reflecti	on of ligh	t.			
	a. Total internal	b.	Irregular c.	Regular	d.	Total ex	ternal	
22.	The unit of capacitance is							
	a. Ohm	b.	Coulomb	C.	Farad		d.	Electron volt
23				tor ic				
25.	The angle between rectan	ıgular con	nponents of a vec	ιοι ις				
25.	The angle between rectanda. 0°	iguiar con b.	nponents of a vec 30°	C.	60°		d.	90°
	_	b.	30°	c.	60°		-	90°
	a. 0°	b. ohone cor	30° nvert moving picti	c. ures and	60° sound int	to	-	90°
24.	a. 0° A TV camera and a Microp	b. ohone cor ot signals	30° nvert moving picto c. Radar signals	c. ures and d. Elect	60° sound int	to	-	90°
24.	<ul><li>a. 0°</li><li>A TV camera and a Microp</li><li>a. Radio waves b. Light</li></ul>	b. ohone cor ot signals	30° nvert moving picto c. Radar signals	c. ures and d. Elect	60° sound int	to	-	90° K.E & P.E

## **Chemistry**

#### Fill in the blanks.

1.	The fu	iel used in	Rockets	s is							
	b. N	atural Gas	b.	Petrole	um	c.	Acetyle	ne	d.	Liquid F	lydrogen
2.		is									
	b. M	lolality		b.	Normal	ity	C.	Molarit	У	d.	Solvent
3.		nemical for									
	b. Fe			_					d.	Fe <sub>2</sub> O <sub>3</sub> .2	H₂O
4.	If 8 g	of NaOH is	dissolv	ed in 25	0 ml of v	vater. W	/hat will	be the N	Molarity	of Soluti	ion?
	_	32					8		0.8		
5.		ning powd									
٠.		uorine						Bromin	<b>e</b>	d.	Lodine
6	-	ent physic								<b>u.</b>	Louine
0.		lotropes								ıc	
7		mbol of Si				, c.	13000113	u.	isotope	.3	
/.	b. Se				•••••	•	c:		d.	Sn	
0						С.	31		u.	311	
٥.		a is an ore				A I		al.	C		
_		ılphur 						a.	Copper		
9.		a function									
	b. Al						C.			Alkyne	
10.		adioactive									
		nlorine							atine		
11.		ical formu									
		$O_2$						d.	$H_2O_2$		
12.	An all	oy of Copp	er and $\overline{a}$								
	b. St	eel		b.	Brass		C.	Nichror	ne	d.	Bronze
13.	Brine	is a solutio	n which	n contaiı	าร						
	b. N	H₃b.	CaCO₃		c.	NaCl	d.	Na <sub>2</sub> CO <sub>3</sub>			
14.	Oxyge	n is presei	nt in air	by Volu	me						
	b. 78	3%		b.	21%	c.	29%	d.	22%		
15.	Temp	orary hard	ness of	water is	due to .						
		aCl <sub>2</sub>					Ca(H	$CO_3)_2$	d. (	CaCO <sub>3</sub>	
16.	Chem	ical formu					·-	-,-		-	
	b. Fe						d.	Cu <sub>2</sub> S.Fe	2 <b>S</b> 3		
17.		ical formu							2-3		
		$a_2S_2O_7$			•				₃d.	Na <sub>2</sub> S <sub>3</sub> O <sub>3</sub>	2
18.									,		,
	b. Ca			b.			Sulphur	-	d.	Phosph	orous
19		ı is a				<b>.</b>	Jaipiiai		۵.	osp	0.045
13.		рар			ant	_	Dlastic		d.	Varnish	
20		rystalline f		_					u.	varinsn	
20.	b. Ba	-	OHIH OF .		Limonit			Sedrite		d.	Quartz
21			ntains					Seurite		u.	Quartz
۷1.		plasma co						00			
22	b. 70				C.		d.	90			
22.		Sulphur is	s stable	at		•••••		44060			4.44.60
	b. 72				96C <sup>o</sup>		c.	119C <sup>o</sup>		d.	141C <sup>o</sup>
23.		eneral forn									
	b. C <sub>r</sub>			b.			C.	$C_nH_{2n\text{-}2}$		d.	$C_nH_{2n+1}$
24.		an examp									
	b. Acidic oxideb. Per oxide c. Super oxide d. ampl							ohoteric	oxide		
25.		er of mole	s prese		_	ater are					
	a.	19.8		b.	198		c.	11		d.	12.375

## **Mathematics**

### Fill in the blanks.

1.	If $A = \begin{bmatrix} -3 & -2 \\ 5 & 1 \end{bmatrix}$ ,	the $ A  =$					
	a. 13 b	13	c.	-7	d.	7	
2.	The solution of set						
_		. {1,3}					
3.	_	ing both end poi	nts on (	circle and not	passir	ng through the center is ca	alled
	a. Chord b.	Secant	C	Diameter	Ч	None of these	
4.	$\sin 30^\circ = \dots$		c.	Diameter	u.	None of these	
	a. <i>tan</i> 30°b.		cose	c 60° d.	cos	60°	
5.	An equation having	•					
		Cubic		Quadratic	d.	None of these	
6.	How many points of			.1		. Cultura	
7	<ul><li>a. 1 b.</li><li>If standard deviation</li></ul>			d. I			
/.	a. 81 b.					•••••	
8.	The degree of poly						
		hree c. É Fo	-	l. Five			
9.						lata is called	
	_	Median c.	Mode	e d. M	ean de	eviation	
10.	$\cot 20^\circ = \tan \dots$		700		20		
11		60° c.				abor of order pairs in Av	D -
11.	a. 10 b.			nents, then tr d. 22	ie nun	nber of order pairs in Ax	В =
12.	The solution set of			-			
	a. {0,5} b.	•					
13.	If $13:4=x:8$ , th			. ,			
	a. 52 b.	26 c. 32	d.	104			
14.	Line segment joinir						
	a. Diameter		c. Ch	ord d. Rac	dial se	gment	
15.	Sec <sup>2</sup> $\theta$ = 1 +		o a 2 O	s Cim²	0		
16	Point (-2, -2) lies in		DS B	C. Sili	Ð		
10.	a. 1 <sup>st</sup> quadrant		nt (	c. 3 <sup>rd</sup> guadr	ant	d. None of these	
17.	Eliminating 't' from						
	a. $x^2 = yb$ . $x^3$	$y^3 = y^3$ c.	$x^3 =$	$y^2$ d. $x$	$y = y^2$	2	
18.	An angle inscribed						
		Right angle		_			
19.	A circle touching si						
20	<ul><li>a. Circumcircle</li><li>The roots of the eq</li></ul>					d. All of these	
<i>2</i> 0.	a. $x = 2,6$ b.					••	
21.	The solution set of				- 3,0		
		–b/a c.					
22.	In a right angled tri	-					
		$\cos \theta$ c.					
23.					the exp	pression complete square	
				19pq			
4. ¯	The circle is said to b					_	
	a. Tangent circle	b.	congru	ient c.inter	sectin	g a. concentric	
5.	$(a+b)^3 =$						
`a —	$(a^2 + ah + h^2)$	$(a + h)(a^2 - b^2)$	-ah+b	$(h^2)c_1a^3 + h^3$	Rah (n	$(a + b)d. \ a^3 + b^3 - 3ab$	(a+b)
(	-)(00 1 000 1 0 )	,	I A	. ,	(4		~ . 0)

Subject: English

1.	They are laughing	him.				
	a. On	b.	at	C.	in	d. upon
2.	I have to go for a meeting. The	e underli	ned word is			
	a. preposition b.	conjur	nction c.	infinitiv	/e	d. none of these
3.	'He cut a tree'. Its passive voic	e is; Atre	ee	cut by h	im.	
	a. Is				has been	d. had been
4.	He said, 'Are you feeling well?	Its indire	ect narration is ;	he asked	l if	felling well
	b. I am					d. you were
5.	The participle form of verb use					•
	a. pronoun	b.	helping verb	С.	 Gerund	d. none of these
6.	An adverbial accusative is a _					
	a. Noun	b.	adverb c.	prepos	ition	d.relative
	pronoun					
7.	He is knocking	the doo	r			
	a. On		at	C.	in	d. upon
8.	He has been sleeping			•		а. а.ро
٥.	a. since	t. b.	for	c.	far	d. from
9.	God those who	-		•		<b>GG</b>
٥.	a. help	h.	helped c.	helps		d. helping
10.	the National Horse and cattle					ae.b8
10.	a. Karachi	b.	Peshawar		Sialkot	d. Lahore
11.	He spends his money foolishly	_				a. Larror c
	a. A verb		an adverb	C.		d. article
12.	The poem "The Voice of God"					a. ar trere
	a. Izra Pound b.					d.None of these
13.	He jumped the		C1103C C.	L.II. IVC	VIIIGII	difform of these
13.	a. On	b.	under	c.	over	d. in
14.	The noun child is a			C.	OVCI	u. III
14.	a. Masculine		Feminine	c.	Common	d. Neuter
15.	Go and place the money			C.	Common	u. Neuter
13.	a. On	b.	under	c.	over	d. in
16.	All is well that		unuei	C.	ovei	u. III
10.	a. starts	b.	runs	•	works	d. ends
17.		U.	Turis	C.	WUIKS	u. enus
17.	'Mingled' meansa. spread	 h	scattered	•	mixed	d. displaced
18.	Adverb of manner answers the				IIIXeu	u. uispiaceu
10.	a. how	b.	when		why	d. what
19.					vviiy	u. Wilat
19.	She goes to <u>school</u> . The under a. On	b.			in	d. upon
20.	All things bright and					u. upon
20.	a. wonderful		cheerful		tall	d. beautiful
21			cheeriui	C.	tali	u. beautiful
21.	Hejumped the		in	_	- tt	d +a
22	a. Into				off	d. to
22.	He writes <u>badly</u> . The underline	a wora i	stive		rh of mannar	d adverb of place
22	a. Verb	in or illalitiet	d. adverb of place			
23.	Think a hundred times before				outo	d +bo ======
2.4	a. An undertaking		the decision	c. the r	oute	d. the revenge
24.	Computers are		alaatusut:	_		d aa6+
25	a. Electrical	b.	electronic	C.	mechanical	u. sortware
25.	'Loopholes' means		la a al la a la tra	_	a literal of the L	al leadar Corre
	a. Weak points	b.	Dau nabits	C.	a Kinu of noies	d. holes for oops