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P-201, MIDC Indl. Area, Saravali, Boisar

ISO 9001-2008 Certified

SCIENCE TALENT SEARCH EXAMINATION SAMPLE PAPER



CLASS - VII

Please fill the following details immediately

Name:		
Hall Ticket No.:_		

❖ 100 Questions ❖

- **❖** Time Allowed: 120 Minutes ❖
- ❖ Do not open this question paper until the signal is given.
- ❖ Please check the CLASS printed on the cover page and the inside is same when you open the booklet.

General Instructions:

- 1) All questions are compulsory and carry equal marks.
- 2) There is no negative marking.
- 3) There is only one correct answer hence write one choice only.
- 4) Please avoid cutting/overwriting etc.
- 5) Return the answer sheet to the invigilator at the end of the examination.
- 6) The question paper can be retained by the student.

PHYSICS [30]

a] Dyne l	03	c] Centimetre	d] Joule
2) The difference point is divide a] 100	ed into	parts on a C	
3) Conduction ca a] copper l	-	ace in c] aluminium	d] vacuum
_	energy	light energy fro b] nuclear fusi d] chemical en	on
5) Plane mirrors coloured imag a] Periscope c] Telescope	_	at an angle to b] Kaleidoscop d] Thermoscop	oe .
6) Which of the f a] Distance = c] Distance=	<u>Speed</u> Time	tions is correct b] Distance= e d]Distance=	
7) We can create a] convex mire c]plane mirror	rors	rtual images wi b] concave min d] concave len	ror
8) Human body a] 32°F c] 100.4° F	temperature :	is normally: b] 212° F d] 98.6° F	
9) Heat from the a] Conductio c] Radiation		us by the proce b] Convection d] Transmissic	
10) To measure use aa] digital clock c] stop watch	ck	to one- tenth b] pendulum o d] wrist watch	elock

II)	1 millenni	um =		V	ears	•
,	a]1000		c] 1	10	ď] 50
,		nt of light coming b] Joule c]	_			
,	a] red, blu	olours are le, yellow le, green		ed, yellow red, blue,		O
V	Which in ibrating stall all Sonome colors.	eter	b] 9	to study Spherome Fathomete	ter	behaviour of
,		ne unit of freque e b] Hertz	,		ď] Weber
,	- 0	Current Device ed Current Devi		- -		urrent Device Current Device
ŕ	•	re known in chi nes cyclone		•	ns	
		ılbs are filled wi b] neon		_] xenon
,	a] silicon l	enses are made o hydro gel hydro gel	b] s		el	
,		these does not h b] Telescope			ď] Prism
,	The heigh a] elevatic c] altitude		b]]	ne sea leve latitude leeward si		called
,	The S.I un a] Farenhe c] Kelvin	it of temperatur eit	b] (Celsius Joule		

,	A dentist us	ses a	to see the	magnified image	
	a] concave mirror		b] concave mirror		
	c] concave l	ens	d] convex mir	rors	
24)	Which of th	e following do	es not have a f	ilament?	
	a] Electric in	ron	b] Geyser		
	c] Bulb		d] Doorbell		
25)	A horseshoo	e magnet is	shap	ed.	
ŕ	a] M	~	_	d]L	
26)	Which color	ar has the large	est wavelength	?	
ŕ	a] Red	b] blue	c] green	d] violet	
27)	Who is know	wn as the Fath	er of Physics?		
	a] Sir Issac	Newton	b] Thomas Alv	va Edison	
	c] Rutherfor	:d	d] Grigar Men	ıdal	
28)	The SI unit	of pressure is			
,	a] Newton	•	b] Pascal		
	c] Square m	etre	d] Celsius		
29)	The density	of water is			
,	a] one (1)		b] two(2)		
c] 1.19		d] 1.8			
30)	Onshore co	ol breeze occui	rs due to		
,	a] conduction		b] convection		
	c] radiation		d] absorption		
		CHEMI	STRY [30]		
31)		-	apers are dippe o juice. What cl	O	
2		s paper turns b	duo		
	_	s paper turns t			
		s turns white	io icu		
	<u>-</u>	s turns writte is paper remai:	ns the same		
·	ij Dide iitiiid	is paper remai	is the same		

32) What kind of change is obtaine?	tained by heating magnesium
a] Physical change	b] Chemical change
c] Both (a) and (b)	d] Nuclear change
33) Which of the following sul to form salt and water? a] Dilute sodium hydroxide	e solution and hydrochloric acid
b] Zinc with dilute hydroch c] Copper sulphate solution	
d] Washing soda solution i	n water and dilute nitric acid
34) The acid present in spinacl	b] malic acid
c] oxalic acid	d] lactic acid
35) Zinc + sulphuric acid →	+ hydrogen
a] Zinc carbonate	b] Zinc nitrate
c] Zinc sulphate	d] Zinc chloride
36) Bordeaux is a mixture of a] copper sulphate solution b] Ferrous sulphate solution c] Copper nitrate solution a d] Zinc sulphate solution an	n and lime nd lime
37) The process of cleaning bo called	ilers with hydrochloric acid is
a] chlorination	b] descaling
c] denaturing	d] galvanization
38) Which among the followir cement?	ng is used as a cheap quality
a] Zinc sulphate c] Ammonium hydroxide	b] Magnesium hydroxided] Calcium hydroxide
39) The ratio of Con: HCl and a] 2:1 b] 1:2	
40) Identify the commonly use metal atom in its molecule	
c] Potassium hydroxide	_

41) Kalium is the	e Latin name o	f	
a] copper	b] potassium	n c] gold	d] iron
42) The chemica a] C ₂ H ₆		ethane is c] CCl ₄	d] NH ₃
43) The valency a] one		c] two	d] zero
44) The chemica a] NaNo ₃		dium carbonate c] Na ₂ CO ₃	
45) The chemica a] sodium hyd c] calcium hyd	droxide	b] potassium l	
c] Mg + HCl		$ m H_2$	
b] Acids are c] Acids turr	e a sour taste	ors of electricity 1e	
48) The symbol a 3 Sn	used to represe b] W	ent tungsten is c] Te	d] Tl
49) The elements group of the a] 16 th	s having zero v modern period b]18 th	• -	ent in which d]13 th
50) When an acie evolved is a] hydrogen c] sulphurdio		ny metal bicarb b] nitrogen d] carbondiox	C
51) Which of the a] ZnSO ₄ c] NaCl	•	n acidic salt?	

,	and make it sa ion on	the process listed fe for drinking. nd setting b] IV, II, I, III d] III, I, IV ,II	below to
53) Common nam a] Oil of vitriol c] Blue vitriol	ne of H ₂ SO ₄ is	b] Muriatic acid d] Green vitriol	
54) Lime water is a] Ca(OH) ₂ in c] NaOH in wa	water	b] CaCl ₂ in water d] NaCl in water	
55) Phenolphthalo a] colourless		in acidic ı c] green	medium. d] red
a] Calamine b] Quick lime c] Common sal	Calcium caCalcium oxt - Sodium ch	xide	
57) Which of the f a] Air at 10° c c] Air at 20° c	following will	rise the highest? b] Air at 40° c d] Air at -5° c	
58) Water is extre a] atom c] mixture	mely stable :	b] element d] compound	
59) Iron react with a] normal wate c] steam		b] hot water d] cold water	
60) To lower the f a] Salt	reezing point b] Sand	of water, c] Sugar	is added. d] Saw dust

BIOLOGY [30]

a]Magnesium c]Phosphorus	b]Calci	1 2	
62) The process of the food is known	f elimination of		d parts of
a] ingestionc] egestion		b]absorptior d]assimilatio	
63) Sorter's diseas a]Anthrax c]Anopheles m		ue to the infectio b]Plasmodiu d]Salmonella	ım
64) Animals that f	feed on the bloo	od of vertebrate	animals are
a]Frunivores c]Dectrivores		b]Sanguiniv d]Omnivore	
65) The instrumer is called		o measure the lu	ng volume
a]Lactometer c]Spirometer		b]Barometer d]Hygromet	
		is known as	
a]Entomology c]Palynology		b]Cytology d]Ecology	
67)is a s a]Rose	`	g plant c]Bread mou	ıld d]Ginger
68) Saprozoic nut a]Millipedes		in c]Mosquito	d]Louse
69) The process of a]Shearing	0	fibre from cocoocly c]Spinning	
70) Adjustment to a]Adaptation		is called c]Hibernation	d]Aestivation

71) The following	gword e	equation	shows a chemi	ical process
Glucose — Y→E What is organism a]Alga	n Y?			d]Hydra
72) Lactic acid aco a]Liver fatigue c]Kidney failur		b]Musc	le fatigue	
73) Which of the fallue eyed from c]Green eyed from	g	b]Red e	yed frog	padded feet?
74) Which of the fa]Hibiscus		_	-	
75) Pulse beat me a]Artery			c]Vein	d]Capillary
76) To protect silk a]medicines c]benzene solu		b]salt so	olution	ld use
77) The soft sticky harmful is a]Enamel	•			
78) In amoeba ,wi a]Pseudopodia c]Vacuole		the follo	owing helps in o b]Cytoplasm d]tentacles	digestion
79) Blood vessels a]pulp cavity c]crown of a to		rves of a	tooth present i b]dentine d]enamel	n
80) Which of the through mout a]Snail	th?	O	mals pops out c]Starfish	
81) Exchange of g		-		

82) Identify the as a Octopus		ains chlorophyll c]Euglena	•
b]Beneath the C c]Beneath the I	B horizon and al C horizon and a R horizon	bove the R horiz above the B hori above the B hori	zon
84) Which is not a a]Duodenum	a part of the sma b]Jejunum		d]Rectum
85) The silk is a conprotein called			O
86) Identify the m	nineral essential	c]Keratin for synthesis of c]Potassium	thyroid
87) Amino acids a	are the end prod	-	n of
88) Which vitami a]Vitamin C	<u> </u>	oquinone? c]Vitamin E	d]Vitamin D
89) The function (a] water	of haemoglobin b] food	-	d] oxygen
c] amount of s		y	
Gl	ENERAL KNOV	WLEDGE [10]	
91) The author of a] Dalai Lama c] Panchan Lar	f the book "Free b] Lenii na d] Keat	n	S

92) The most imp a] Article 32 c] Article 13	ortant A	Article of b] Articl d] Articl	e 17	tution is :
93) National Science Day a] November 28 th c] August 24 th				
a] Nilgiri		Western Ghats is b] Agastya Malai d] Mahendra Giri		
95) Name the colo together. a] Orange			en red and yel c] Green	low is mixed d] Purple
96) What is the ca a] Athens	*	_	c] Lappose	d] Kabul
97) The internation disease is the graph alpha alpha c] Diabetics	-		titis	f which
98) Chaitanyabhu is situated in w a] Delhi	hich cit	y?	place of Dr.B	
99) What is the cu a]Pound		051	? c] Ruble	d]Lira
100) Who created Donald Duck? a] Roy Disney b] Rupert Mu		nic chara	acters Mickey : b] Warner l d] Walt Dis	Brothers