CHINMAYA VIDYALAYA, TARAPUR

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

ISO 9001-2008 Certified

SCIENCE TALENT SEARCH EXAMINATION SAMPLE PAPER



CLASS - VIII

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]

1) A positively ch	iarged body _	charg	ged body.
a] attracts negation of repels negation	ntively	b] attracts positi	tively
2) Identify the conal rolling friction classification described and rolling friction describe	rrect relation on > static fric on < static fric n < sliding fric	tion tion tion	very
3) Pressure is alw a] force / area c] area x force	rays equal to	b] area/force d] area + force	
4) Which of the fo		ood conductors c] gases d	
5) Which instrumers pressure? a] anemometer		ed to measure er c] beam d	
b]water reduce	ses friction bet es friction betwes slippery du	tween the floor a veen the floor ar e to soap solution	nd our foot
7) The sound we 20,000 Hz is call all ultra sound call audible sour	alled	equency range b] infra sound d] inaudible so	
8) Sound waves c a] vacuum			d] liquid
9) Which substan	n?		
a] Grease	b] Oil	c] Boric acid	d] Kerosene
10) Current is the a] matter		c] protons	d] charge

11) If a charged pone we will old		is brought nea	ar on uncharged	
a] repulsionc] attraction		_		
12) Unit of pressua] Newton			d]James Bond	
13) is into its constitution a]Dispersion	tuent colours.			
14) The planets are visible because they are a] emitting their own light b] reflecting the light of the sun c] away from the earth d] absorbing the light of the sun.				
15) Pull of gravity a] mass				
16) Which of the a loudness	_		stics of sound? d] all of these	
17) for a]Frictional			d] Electrostatic	
18) is a n a]Copper	_	•	d] Iran	
19) An apple can knife because a] pressure exe b] friction will c] pressure exe d] apple is soft	the rted will be le be more rted will be m	ess nore	nife than a blunt	
20) Sunlight reach a] 8 seconds c] 8 hours	nes us in	b] 8 minutes d] 8 days		
21) The speed of 1 a] 3 x 10 10 cm/ c] 1000 m/s	O	b] 330 m/s d] 3 x 10 ⁵ m/	$\prime_{ m S}$	

22) The principle of sundial is ka] length of day and nightb] rising of the sun.c] setting of the sund] decrease and increase in length		W
23) show static electric a] Conductor c] Metal rods	ity. b] Insulator d] Electrolytes	3
24) Pushing a rock from hill top a] magnetic force c] friction force	p is an example of b] electrostatic force d] muscular force	
25) Noise and music differ in a] tone b] note	c] pitch	d] quality
26) is used for check to current. a]Photometer c] Thermo scope	up whether a ce b] Galvanome d] Hygromete	ter
27) How many degree Fahrenh a] 32° F b] 37° F	eit makes 0º C? c] 39 º F	
28) Which scientific principle he vehicles?		
a] velocity b] friction		
a] Red b] Blue	est wavelength. c] Yellow	
30) A positive charge ion is call a] Atom c] Cat ion	led. b] Neutral ion d] Anion	
CHEMIS	TRY [30]	
31) The study of the constitution a] metallurgy c] ornithology 32) Dry ice is	on of metals is c b] metallograp d] osteology	
a] solid CO c] liquid CO	b] solid CO ₂ d] liquid CO ₂	

33) Identify the	factor present	t in bleaching	powder which
destroys the g	germs.		-
34) Name the ele	- 	<u>-</u>	-
a] Protium c] Tritium		b] Deuterium d] Carbon	
35) Which gas pro a] CO ₂	<i>5</i>		d] SO ₂
36) Sodium thios a] washing sod c] Hypo	_	nmonly known b] baking sod d] plaster of p	a
37) Which elemer a] Uranium		-	-
38) a] Rayon			
39) Galena is the a] Iron		c] Lead	d] Zinc
40) Which is the g		+	d]Chlorine
41) What is the chal Iron oxide clared Iron sulphate		of iron rust? b] Hydrated i d] Iron chloric	
42) Vinegar is a] dilute carbo c] dilute acetic		b] dilute citric d] dilute oxal	
43) Bronze is an a a] Copper and c] Copper and	tin	b] Copper and d] Copper, ca	d zinc rbon and iron
44) Identify the metal present in a] Sodium c] Cobalt		n vitamin B ₁₂ . b] Iron d] Phosphoru	.S

45) The nucleus of which atom particle? a] Hydrogen b] Helium	-			
46) The rubbing surface of the match box contains a] white phosphorus b] white phosphorus and powdered glass c] Powdered glass and red phosphorus d] red phosphorus and potassium chlorate				
	b] Aluminium d] Zinc			
48) What is PCRA? a] Petroleum Conservation Re b] Petroleum Conservation Re c]Petroleum Conversion Resea d]Petroleum Conservation an	esearch Association arch Association			
49) Carbon content is highest in a] Anthracite c] Lignite	b] Bituminous d] Coke			
50) Producer gas is a mixture of a] Nitrogen and carbon monoxide b] Nitrogen and methane c] hydrogen and carbon monoxide d] Nitrogen and sulphur dioxide.				
51) Lung disorders such as wheels is due the air pollutant a] CFC b] SPM of	ezing and shortness of breath $[SO_2]$ $[SO_2]$ $[SO_2]$			
	nown in the name of chile b] Sodium citrate d] Sodium carbonate			
	form is b]Dichloromethane d] Carbontetrachloride			

54) Identify the metal cause a] Phosphorus c] Sodium	d for blood pressure. b] Zinc d] Iron	
terminal is made of	cell, which acts as the positi	
56) Which among the follow a] Camphor c] Ammonium chloride	b] Sodium chloride	
density?	does water have the maximude c] 100° C d] 0° C	ım
58) A cellulose molecule is r a] fibers c] oxygen atoms	made up of b] cells d] glucose molecules	
59) The symbol of phosphor a] Ph b] P	rus is c] Po d] Pu	
60) Quartz crystals are chen a] silicon dioxide c] zinc sulphate	nically b] sulphur dioxide d] silicon monoxide	
BIC	DLOGY [30]	
61) What is the process whe	en a microbe is injected to preve e?	ent
a]immunization c] antiseptic	b] disinfectant d] antibodies	
62) is not an artifal a] Nylon b] Polyes		
63) Animal cells do not have a] mitochondria c] lysosome	e b] plastids d] nucleus	

64) Hydra reproduces	s by		
a] fragmentation	b] b	udding	
c] spore formation	d] b	inary fission	
65) are the conglands. a] Enzymes b] H			
66) Breeding, develop a] pisciculture c] cultural fisheries	b] ca	rowth of fish aptured fishe ond fisheries	eries
67) Insulin is secreted a] Adrenal c] Pancreas	b] H	gland. Iypothalamu hyroid	S
68) The organic man because a] it can be prepare b] it is less rich in p c] it improves the te d] it decreases the v	d in the field lant nutrien exture of the	ds t soil	
69) Litmus is obtained a] algae b] f		chen	d] virus
70) Which of the following ligated? a]Ovum will not probable border the following allowers allowed the following allowers. b]No fertilization will be completed allowers allowed the following allowers. c]Implantation of the followers allowers. d] No sex hormone.	oduced vill occur ne zygote ca	nnot occur	allopian tube is
71) Which of the fol preserved using d a] Fish b] Chilli	ehydration?		suitable to be
72) Virion consists of a] nucleic acids c] cell organelles	.1	ucleus ytoplasm	
73) A non-leguminous a] gram b] a	s nitrogen fi Ilnus c] po	U 1	d] bean

74) The instrument				d] plough
75) Control room a] nucleus with b] chromosome c] DNA and ge d] nucleoid	n its chroma es			
76) Ribosome fac-	•	us c] ER	d] Gol	gi complex
77) Escherichia C a] water			d] hur	nan intestine
78) All fungi are a] parasites c] symbionts		b] saproph d] heterotr		
79) Wilt is a crop a] fungi			.S	d] virus
80) Which of the functions in be all cell wall closed vacuole	oth plant ar	•	ells last	
81) is land			domon	as d] Euglena
82) The vector of a] culex			.es	d] all
83) The earth is wall ozone		-		bon dioxide
84) What is the mal stimulus classification	ovement of		_	ar called
85) is a a] Lacto bacillu c] Salmonella		used to ma b] Vibrio c d] Anthrax	coli	l from milk.

86) What is transpiration? a] Opening and closing of b] Evaporation of water fro c] Making food for the plant d] Trapping insects for foo	om the leaves nt	
87) Which of the following a from its enemies? a] Hibernation c] Camouflage	daptations protect b] Having thick f d] By migrating	
88) is not a viral of a Polio b] Measles c] of		d] Typhoid
89) The stalk of the flower is a] petiole b] pedicel		d] rachis
90) Which of the following p when sugar is sprinkled of a] Diffusion c] Osmosis	,	ice to ooze out
GENERAL K	NOWLEDGE [10]	
91) "Towards Freedom" is ar a] I.K.Gujral c] P.V. Narasimha Rao	n autobiography o b] Jawaharlal N d] Lal Bahadur	Nehru
92) Vijay Ghat is the rest plac a] Moraji Desai c] Lal Bahadur Shastri	ce of b] Charan Sing d] Sardar Valla	
93) Identify the colour of the the continent Australia. a] Green b] Red		hat represents d] Yellow
94) What is the capital of Tha a] Bankoka b] Riyad		d] Doha
95) The international symbolisease is the purple ribbolise all Swine flu c] Malaria		

96) Which country is known a	as the land of rising sun?
a] Tokyo	b] Japan
c] Srilanka	d] Malaysia
97) What is the currency of Caral Dinar	hina? b] Yuvan
c] Riyal	d] Dollar
98) Identify the name of the p a] National Assembly c] Cenet	oarliament of Nepal. b]Shora d] Diat
99) Who discovered radio?	
a] James watt	b] Marconi
c] Alfred Nobel	d] Edison
100) Identify the instrument travelled by the vehicle.	used to measure the distance
a] Manometer	b] Speedometer
c] Odometer	d] Photometer