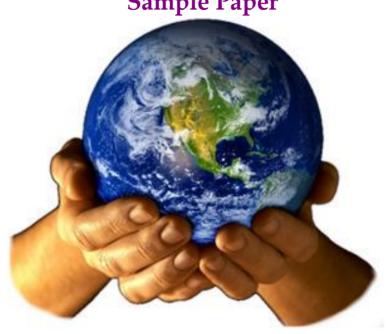
## CHINMAYA VIDYALAYA, TARAPUR

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]

- 1) When we touch a steel rod and a paper simultaneously, we feel that the rod is colder because
  - a] iron being a good conductor conducts more heat from our body
  - b] paper being a good conductor conducts more heat from our body
  - c] more heat flows from the iron to our body
  - d] more heat flows from the paper to our body
- 2) Which of the following letters will be seen without any change in a plane mirror?
  - a]S
- b] T
- c] L
- d]P

- 3) Shadows are formed because
  - a] opaque bodies allow the light to pass through them
  - b] light can bend around the opaque bodies
  - c] light rays cannot pass through the opaque bodies
  - d] light shows the phenomenon of diffraction around large objects.
- 4) Light
  - a] requires a material medium to travel from one place to another
  - b] does not require a material medium
  - c] light has mass but it is negligible
  - d] light waves are longitudinal wave
- 5) Transparent objects
  - a] do not let light to pass through them
  - b] allow light to pass through them
  - c] absorb some amount of light and allow the remaining to pass through them
  - d] reflect all the amount of light falling on them
- 6) As the distance of source increases
  - a] intensity of light increases
  - b] intensity of light decreases
  - c] intensity of light remains the same
  - d] intensity of light may decrease or increase.

7) Radiation depends on a] the temperature of the substance b] the colour of the substance c] both the above d] the size of the substance				
b] chemical energy is concell radiation from the sun	8) In solar cooker a] electricity is used to cook food b] chemical energy is converted to electrical energy c] radiation from the sun is used to cook food d] heat energy is converted light energy			
9) When you heat a bowl of starts circulating. This det all conduction classification				
10) The liquid which is a good a] mercury c] hydrogen	od conductor of b] water d] kerosene	heat is		
11) More energetic molecule energy to other molecule position in all conduction clarification	es, without any	change in their		
12) Which of the following e a] Solids b] Liquids	-	O		
13) The C.G.S unit of speed a] cm/g b] m/s		d] cm/s		
14) With what speed should distance of 5 km in 5 min a] 1 km/h b] 5 km/h	?			
15) Aman runs 10 km in 30 i a] 5 km/h b]10 km/h		<b>*</b>		
16) The speed at which the l a] $3 \times 10^6$ m/s c] $3 \times 10$ m/s	ight travels in v b] 3 x 10 <sup>8</sup> m/s d] 3 x 10 <sup>12</sup> m/	3		

17) Which of the follow of vehicles?	ving is used in the	rear-view mirrors
<ul><li>a] Plane mirror</li><li>c] Convex mirror</li></ul>	b] Concave d] Any of th	
18) At a particular time tree and the length of the sha the length of the pole a] 15 m b] 22.5 r	f its shadow is fou dow of a flag pole	and to be 1.5. Now, e is 15 m, calculate
19) Shadow of an object a] the direction of the b] the direction opposed a direction perpendent of the above	source of light site to that of the so	O
20) Cooking vessels used copper all is cheap blue blue color blue color blue blue blue color blue blue blue blue blue blue blue blue	good conductor o	of heat
21) The darker region of a] penumbra b] u		d] shade
22) The unit of frequence a] Joule b] He		nb d] m/s
23) The normal average healthy person is	•	•
a] 36°C b] 37°C	c] 35°C	d] 38°C
a] hot b] cod	<u> </u>	r is d] humid
25) If we put a drop of p will soon be able to room. In this, which p a] conduction c] diffusion	smell the perfum	e anywhere in the nvolved?
26) Which is the lightest a] Hydrogen b] Ox		d]Aluminium

27) A solar eclips	se occurs on		
a] all new moo	-	b] a particular d] a particular	new moon day full moon day
28) Which type o a] convex mirr c] plane mirror	or	ed in car head lig b] concave mir d] biconvex mi	ror
29) The speed of a] wind vane c] barometer	wind can be n	neasured by b] anemometer d] hygrometer	
30) White light is a] five colours c] seven colour	•	b] six colours d] two colours	
	CHEMIS	STRY [30]	
31) Phenolphthal			olutions
a] colourless			d] green
32) Phosphoric a reacts with:	icid is formed	when phosphor	rus pentoxide
<ul><li>a] oxygen</li><li>c] alcohol</li></ul>		b] carbon dioxid] water	ide
_	ourning splinter, it burns with	er near the gas p a pop sound. Th c] H <sub>2</sub>	
34) The acid used a] formic acid c] sulphuric ac		g of vinegar is b] acetic acid d] nitric acid	
35) Which of the a]Tearing a pac]Freezing wat	per	not a physical ch b]Bending an i d]Burning a pa	ron
36) Non metallic a] Acids	- <u>-</u>	vith water to for c] Salt	
37) Sea and land a] convection		nused because of c]rains	

38) What is the best thing to do blowing over a hut ,having a] Open the doors and winde b] Close all the doors and winc] Make holes in the roof d] Burn wood inside	g a weak thatched roof? ows
39) Metals react with water to f a] oxides and hydroxides c] hydroxides and carbonate	b] oxides and chlorides
40) Common name of H <sub>2</sub> SO <sub>4</sub> i a]oil of vitriol c]blue vitriol	s b]muriatic acid d]green vitriol
41) The chemical formula of Hy a] H <sub>2</sub> b] O <sub>2</sub>	ydrogen Peroxide is c] H <sub>2</sub> O d] H <sub>2</sub> O <sub>2</sub>
42) While drinking a soft drink pressure in the straw is bottle is a] high, less c] less, less	with the help of a straw the and the pressure in the b] high, high d] less, high
43) Which of the following is the balancing the amount of fra a] water cycle c] WWTP	<b>-</b>
44) An anemometer is an instrual accelerator c] flag	ument that is most similar to a: b] speedometer d]electric meter
45) is called the king a] Nitric acid c] Boric acid	ng of chemicals. b] Sulphuric acid d] Hydrochloric acid
46) A blacksmith beats up a pie a] physical properties c] weight	ece of iron to change its b] chemical properties d] colour

47) Surface of a cut brinjal be a] chemical change c] physical change	4.7	change
48) If water is added to a stro a] hot neutral solution c] cold neutral solution	b] cold dilut	e acid
49) Plants like lady's finger g a] slightly acidic soil c] alkaline soil		
50) Which of the following is a] Sweaters b] Shoes		
51) Ruhi observed formation statue in her home. It is a] chemical change c] periodic change	due to b] physical c	 hange
52) is used in a] Hydrochloric acid c] Nitric acid	b] Sulphuric	acid
53) Which of these gas is pois a] O <sub>2</sub> b]He		d] Ar
54) Which of the following water b] coffee	-	
55) The symbol of potassium a] P b] Po	is c] K	d] Pt
56) Which one is a compound a] Air b] Ammonia		d] soil
57) The valency of aluminium a] 2 b] 3	n is c]4	d]8
58) Which salt is formed who base?	en nitric acid co	mbines with a
a] carbonate b] sulphat	te c] nitrat	e d] acetate

59) Which one treating in	of the followindigestion?	ng types of n	nedicin	e is used for	
0	ic b] Analg	esic c] An	tacid	d] Antisepti	C
60) The formula a] FeCl <sub>2</sub>		nloride is c]Fe (	Cl <sub>2</sub>	d] Fe Cl 3	
	BIO	LOGY [30]			
61) Amoeba m a] pseudoj c] cell wall			L		
62) The tiny po a] Stomata	ores present or b] Cells		_		
63) The functional water	on of haemoglo b] food		_	l] oxygen	
64) The part of a] root	a plant that poble b] stem		_		
65) The animal wings are of a] reptiles		,		•	
66) Hollow bo a] lizards	nes are preser b] crow		d] de	eer	
67) Insulin is p a] Liver	oroduced in ou b] Pancreas	2 2	d] H	eart	
68) The teeth a a]canines	adopted for cu b]premolars	0	0		
69) Vermi com a] insects	posting is don b] silkworm		_		
70) Which of the all Drum stick classification.	_	a winged see b] Xanthir d] Castor			
71) Digested fo	ood is absorbed b] blood	0	atelets	d]amylase	

72) Butterflies and honeybees halgermination claspersal of seeds	nelp plants in b] pollination d] respiration	
73) Silk moth feed on. a] Eucalyptus leaf c] Mulberry leaves	b] Grape leaves d] Neem leaves	
74) Earthworms respire throug a] moist skin c] clitellum	gh b] ctenidia d] typhlosole	
75) Trachea branches into two a] bronchi c] lungs	thinner tubes c b] alveoli d] diaphragms	
76) Anaerobic respiration is als algebra algeb	so termed as b] imbibition d] translocation	n
77) Which of the following is a kidney failure patients? a] Filter c] Dialysis	used as artificial b] Angiogram d] Ventilation	kidney in
78) Leguminous plants have the all fibrous roots claudated roots	eir roots modifi b] stilt roots d] prop roots	ed into
79) Which of the following par pitcher plant? a] Leaf b] Stem	t is modified int c] Nodes	o pitcher in d] Roots
80) Stomach secretes a] dilute hydrochloric acid c] dilute citric acid	b] dilute sulph d] dilute nitric	
81) The process of selecting parcharacters is a] selection c] separating	rents for obtaining b] selective bre	

82) Which blood group is called	d the universal acceptor?
a] Group A	b] Group B
c ]Group AB	d]Group O
83) Reproductive part of a plan	t is
a] flower	b] petal
c] bud	d] sepal
84) Which of the following soils a] Sand and Clayey c] Loamy and Clayey	b] Loamy and Sandy
	_
85) affect the soil pro	ofile and bring changes in soil
a] Vegetation	b] Animals
c] Climatic factors	d] Fertilizers
86) Human heart is protected b	
a]diaphragm	b] pericardium
c]pleura	d] cranium
87) The rotting dead matter in t	he soil is called
a] decomposition	b] humus
c] petrification	d] minerals
88) The largest gland in human	body.
a] Salivary gland	b] Pancreas
c] Liver	d] Thyroid
89) Filament and anther are the	parts of
a] stamen b] pistil	·
90) Blood plateletes play an imp	-
a] production of antibodies	-
c] fighting against germs	<del>-</del>
GENERAL KNO	_
91) Who among the following i	
a] Ricky Ponting	b] M.S.Dhoni
c] Viswanathan Anand	d] Abhinav Bindra

92) Name the largest platform	in India?
a] Rameshwaram	b] Kharagpur
c] Chandigarh	d] Kolkatta
93) The dance drama of Kerala	a is
a] Kathak	b] Kathakali
c] Kuchupudi	d] Mohiniattam
-	•
94) What is the young one of a	zebra called?
a] Pup b] Zorro	c] Colt d] Lamb
95) Which country is known as a] Thailand c] Ireland	the Land of White Elephants? b] South Africa d] Malaysia
96) Which is the highest gallan a]Param Vishishtat Chakra c] Padmashree Award	b] Param Veer Award
97) Which city is known as 'Ele	ectronic City of India'?
, _	b] Hyderabad
_	d] Bangalore
cj Garagon	aj bangalore
98) Which gas is known as laug	ghing gas?
a] Nitric oxide	b] Carbon dioxide
c] Nitrous oxide	d] Nitrate oxide
cj i dicous oxide	aj Mare Oniae
99) What is the capital of Argen	ntina?
a] Brassilia b] Rome	c] Paris d] Buenos Aires
100) Who is the first person to literature?	receive Nobel prize for
a] Rene Sully Prudhomine	b] Henri Dunant
c] Robindranth Tagore	-
,	•