

INTSO EDUCATION

SCIENCE TALENT SEARCH OLYMPIAD (STSO) 2016-17

STAGE - 1 TIME : 60 min.

CLASS: VI Max. Marks : 50

Instructions:									
\Box	Fill the OMR sheet co	ompletely and carefully.							
\Rightarrow	*	s one mark and has only		0	S				
□ >	The question paper c	contains 50 questions to l	be answered in 60 minut	es.					
	PHYSICS								
1.	One centimetre on a sc 1) 20 cm	ale is divided into 20 equ 2) 1 mm	ual divisions. Then the le	ength of each di	ivision	n is 1			
2.	•	cm ⁻³ , then its density in 3 2) 850 kg m ⁻³	•	4) 85 kg m ⁻³	[]			
3.	For the given diagram, 1) 30° 2) 60° 3) 90° 4) 180°	the angle of incidence is	60° 60°	-	[]			
4.	The beam of light com 1) Parallel beam	ing from the head light o 2) Perpendicular beam		4) Convergent	[beam]			
5.	When the electric cells 1) Increases	are connected in series, 2) Decreases	the current out put of the 3) Remains same	e combination is 4) Some times] ases			
6.	The device which is us 1) Ammeter	ed to detecting the flow (2) Voltmeter	of an electric current in a 3) Battery	a circuit 4) Galvonome	[eter]			
7.	The magnetic field around 1) One dimensional	und the magnet is 2) Two dimensional	3) Three dimensional	4) None of the	[ese]			
8.	Two plane mirrors are between them will be 1) 11	inclined at an angle of 2) 7	0°. The number of imag 3) 5	es of an object 4) infinite	place [d in			
9.	The length of a school of in hectares is 1) 8.57	compound is 350 m and b 2) 85.75	areadth is 245 m. The area 3) 0.8575	a of the school of 4) 8.575	compo [ound]			
10.	The device which is us 1) Vernier caliper	ed to measure the area of 2) Screwguage	f irregular shaped object 3) Graphpaper	is 4) Metre scale	[]			
11.	If 2A of current flows to 1) 12 C	through a conductor, the 2) 120 C	charge that flows in half 3) 60 C	f minute is 4) 16 C	[]			
12.	Magnetic lines of force 1) Starts from north and 3) Closed loops		2) Starts from south and4) Not present at inside		[]			

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13.	A fuse wire should hat 1) Low melting point 3) Very high melting p		2) High melting point4) None of these		[]
14.	The shape of a shadow 1) Shape of the opaqu 3) Colour of the object		the following 2) Colour of screen 4) All of these		[]
15.	A body is standing inf	The distance bet		en the		
	body and his image is 1) 3 m	2) 4.5 m	3) 6 m	4) 15 m	[]
16.	ŕ	,	,	,	ha nu	mhar
10.	of centuries in a mille		umber of decades in a ce	iitui y aiiu K is t	lie iiu]
	1) 1 : 1 : 1	2) 1 : 2 : 1	3) 1:2:3	4) 2:3:4	-	-
17.	The distance between 1) Magnetic length	•	and the magnetic south 3) Geometric length	pole is called 4) Magnetic a	[axis]
		CHEM	ISTRY			
18.	Which one of the followal alcohol	owing is insoluble in wa 2) sodium chloride		4) sugar	[]
19.	The materials through 1) Transparent	which we can easily se 2) Translucent	e are called 3) Opaque	4) None	[]
20.	Which one of the follo	owing changes represent	sublimation		[]
	1) solid <u>iquid</u>	2) solid <u>sas</u> gas	3) liquid ← gas	4) none of the	ese	
21.	The process that is use 1) Threshing	ed to separate grain from 2) winnowing	n stalks is 3) sieving	4) none of the	[ese]
22.	The octa atomic elements 1) oxygen	ent, among the following 2) nitrogen	g is 3) phosphorus	4) sulphur	[]
23.	The Latin name of An 1) stibium	ntimony is 2) Tin	3) Stannum	4) Wolfram	[]
24.	The fundamental part 1) electron	icle with no charge is 2) proton	3) neutron	4) positron	[]
25.	Atomic number of cop 1) 29	pper is 2) 26	3) 28	4) 25	[]
26.	Which objects are ma 1) wood	de of only one material 2) Glass	3) Plastic	4) Clay	[]
27.	What type of material 1) wood 3) Plastic	can you use to make a	window when you want 2) Glass 4) None of these	to see through i	t ? []
28.	What are the floatable 1) Iron nail	things 2) wood	3) Stone	4) Sand	[]
29.	Which method we can 1) hand picking	n use to separate soil and 2) Sedimentation	l water 3) Filtration	4) Winnowin	[g]
30.	Which method we use 1) Crysiation	e to separate colours from 2) Chromatography		4) Sedimenta	[tion]

31.	The change of state fro 1) Condensation	m liquid to solid is calle 2) Evaporation	d 3) Solidification	4) Sublimation	[1]
32.	In summer season wha 1) Expand	t happen to railway tracl 2) Not expand	3) Conjusted	4) Melted	[]
33.	Which of the following 1) Tearing of paper	g is not a physical chang 2) Formation of curd		4) Dissolution	[of su] gar
34.	Among the following, 1) Al	the element with odd ato 2) Ne	omic number is 3) Mg	4) C	[]
		BIOLO	OGY			
35.		then she doubts what is t sweetest of all sugars. V 2) Fructose	he sugar present in fruits What is it 3) Sucrose	a. Ravi said her a	it is ca	alled]
36.	Skin of the human bein 1) Yeast	ng is a habitat for the foll 2) <i>Ascaris</i>	owing organisms 3) Itchmite	4) Wuchereria	[]
37.	Mountains provide hab a) Mammals Identify the correct con 1) a, b, c	itat for terrestrial animal 2) Reptiles abination. 2) b, c, d	s like 3) Birds 3) a, d	4) Amphibians 4) a, b, c, d	[s]
38.		nd ecosystem where the lecaying matter	conditions are available 3) Pond margins	,	[ce]
39.	Identify the organism v 1) Starfish	which lives completely in 2) Fish	n marine habitat 3) Frog	4) Snail	[]
40.	I) Garden IV) Forest The correct combination	II) Park V) Aquarium on is	nan made terrestrial hab III) Crop field VI) Zoo		[]
41.	1) I, II, III, IV, V Pick the odd one in its	2) I, II, III, V, VI	3) I, II, III, VI	4) I, II, III, IV,	-]
71.	1) Frog	2) Dog	3) Rat	4) Lizard	L	1
42.	Identify condiments / s 1) Elaichi 5) Rice	pices among the followi 2) Pepper 6) Potato	ng 3) Coriander seeds	4) Mustard	[]
4.2	1) 1, 2, 4, 5, 6	2) 1,2,3, 4,5		4) 1, 2, 3, 4		,
43.	Which of the following 1) Potato	g has Antı - histamine an 2) Onion	d anti - oxidant propertie 3) Rice	es 4) All the above	l ve]
44.	The organisms which f 1) Herbivores	eed on herbivores can b 2) Carnivores	e taken as food by 3) Omnivores	4) Scavengers	[]
45.	Identify the organism v 1) Vulture	which uses echo - locatio 2) Bat	on to track down its food 3) Dog	4) Frog]]

46.	Which type of beak is 1) Long, hooked	s present in Wood peck 2) Short, hooked	er 3) Strong, hooked	[4) Long, strong]	
47.	Identify the herbivore 1) Bear	2) Snakes	3) Mule deer	[4) Cockroaches]	
48.	Tomatoes are rich in v	vitamin 2) C	3) K	4) D]	
49.	Identify the correct sta	atements regarding the	given picture	[]	
I. They grow in particular places only II. They are expensive III. They are nutritionally less important IV. They are available in large quantitites. 1) I, II 2) I, II, III 3) I, II, IV 4) I, II, III, IV 50. Idly can be prepared by						
	1) Fermentation, Boil 3) Fermentation, Fryi		2) Steaming, Boiling4) Fermentation, Steam	ming		

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