Duration : 60 min.

Class : 6th

Maximum Marks : 180
Subject : SCIENCE



Name :

International Talent Search Examination - 2023-24

अंतर्राष्ट्रीय प्रतिभा खोज परीक्षा - २०२३-२४ •



Organized by



Savitri Skill Development Institute, Training Partner with Ministry of Micro Small & Medium Enterprises (MSME), Govt. of India.

TEST BOOKLET

• • • • • • • • • • • • • • • • • • • •	 	• • • • • • • • • • • • • • • • • • • •	•••••	

. School:						
Fathe	r's Occupation :					
Moth	er's Occupation :					
ОВС	sc 🗀	ST				
<u> </u>						
ý IIII						
Father's Contact No :						
Home/Mother's Contact No. :						
	Fathe	School:				

Basic Instructions:

- Ensure that your personal data has been entered correctly.
- ii. Immediately after opening the test booklet verify that all the pages are printed properly and are in order. If there is a problem with your test booklet, immediately inform the invigilator. You will provided with the replacement.
- iii. All questions in are compulsory.
- iv. For every correct answer you will be awarded with 4 marks and for all incorrect answer 1 mark will be deducted.
- v. Directions for answering the questions are given. Read those directions carefully and answer the question by circling the bubble in the OMR Sheet Provided to you. Test booklet/OMR Sheet will be submitted at the end of the examination.
- vi. Follow the instructions given by the invigilator. Students found violating the instructions will be disqualified.
- vii. Rough work can be done separately or on the Question paper.
- viii. Please fill the bubbles in OMR sheet with Blue or Black pen only.
- ix. Do not tear the question paper or OMR sheet else you will be disqualified in the examination.

CLASS-6 (SCIENCE)

1.	What is the SI unit of length? (A) Metre (B)	(B) Centimetre	(C) Kilometre	(D)	All of these
2.	Which of the following is a natural (A) Electric bulb (I	source of light? (B) Stars	(C) Light emitting di	iode (D)	None of these
3.	Colour of shadow of blue colour ob (A) blue (I	bject is (B) black	(C) white	(D)	none of these
4.	Pinhole camera formed and _ (A) virtual, erect (I	image. B) virtual, inverted	(C) real, erect	(D)	real, inverted
5.	Which motion can be seen in the s (A) Circular (I	second pendulum? (B) Periodic	(C) Oscillatory	(D)	Both (B) and (C)
6.	Displacement covered by a body in (A) velocity (I	n unit time is known as (B) speed	(C) distance	(D)	none of these
7.	(10)–1 cm = metre				
	(A) 100 (E	(B) $\frac{1}{100}$	(C) 1000	(D)	1 1000
8.	Image formed by plane mirror is (A) inverted but laterally inverted (C) erect but laterally inverted		(B) inverted but not (D) erect but not late		
9.	Find the average speed of an object	ect which covers first 80 km with	speed of 20 km/h and	rest 20 km with	speed of 10 km/h.
	(A) $\frac{25}{3}$ km/h	(B) 25 km/h	(C) $\frac{50}{3}$ km/h	(D)	50 km/h
10.	In the given figure, A O is the incide	lent ray on a reflecting surface N	MN. Find the angle of i	ncidence	
	(A) 40° (B) 140° (C) 55° (D) 100°	www. v			
11.	An object covered distance from A (A) 25 m/s (I	a to B with 30 m/s and B to A with (B) 24 m/s	h 20 m/s. Its average s (C) 27 m/s		20 m/s
12.	Which of the following are non-lum	ninous bodies?			
	-	(ii) Moon	(iii) Sun	(iv)	A bulb
	(A) (i) Only (E	(B) (ii), (iii) and (iv)	(C) (i) and (ii)	(D)	(iii) and (iv)
13.	In a car race on straight road, car A car B. Both the cars start from rest		eration a1 and a2 resp		
	$(A) \left(\frac{a_1 + a_2}{2}\right) t \tag{I}$	(B) $\sqrt{2a_1a_2}$ t	(C) $\left(\frac{2a_1a_2}{a_1+a_2}\right)t$	(D)	$\sqrt{a_1 a_2} t$
14.	An object covers $\frac{1}{4}$ of circular path.	. What will be the ratio of the dis		ent of the object?	
	(A) $2\sqrt{2}\pi$	(B) $\frac{\pi}{2\sqrt{2}}$	(C) $\frac{2\pi}{\sqrt{2}}$	(D)	None of these
15.	A person is in room whose ceiling a (A) 7	and two adjacent walls are mirre(B) 3	or. How many images (C) 4	are formed? (D)	8
16.	Identify the material which is maller (A) Stone (I	eable and ductile? (B) Coal	(C) Iron	(D)	Wood
17.	Which group of fibres contain only (A) cotton, jute, silk (I	plant fibres? B) Cotton, jute, flax	(C) silk, nylon, wool	I (D)	wool, terylene, rayon

18.	Wini (A)	nowing cannot be done without Soil (B)	Water	(C)	Wind	(D)	Oxygen
19.	C ₂ H ₆	$_{3} + \frac{7}{2}O_{2} \longrightarrow 2CO_{2} + 3H_{2}O$					
	Whice	ch of the following statements are C2H6 is the only reactant in the re C2H6 and O2 are the reactants	true regarding the above cheaction	(B)	al reaction? CO2 is the only product in the None of these	ne rea	action
20.	(A) (B) (C)	tify the INCORRECT statetement Textile chemistry deals with the str Technically thread is known as yar Orlon is a synthetic fibre. The suitable conditions for cultivat	udy of clothing materials. rn.	and o	cold climate.		
21.		er is a material whereas of malleable, ductile (B)	copper is a mate	erial. (C)	inflammable, combustible	(D)	combustible, soluble
22.	2. Synthetic fibres have many advantages. One disadvantage of synthetic fibre is that (A) they are durable and easier to maintain (B) they dry up fast and do not form wrinkles (C) they are not attacked by moths (D) they do not absorb water and sweat						
23.	(A) (B) (C)	ct the incorrect statement the solution in which no more amount the process of filtration can be use the process of distillation used to sall of the above are correct	ed to separate the solid con	pone		alled	super saturated solution
24.		othwise yarn in a woven cloth are ownerp (B)	called weft	(C)	knit	(D)	none of these
25.	Whi	ch of the following is/are correctly i	matched.				
		Column – I	Column – II				
	(i)	Separation of cotton fibres from its seeds	Spinning				
	(ii)	Compression of raw cotton fibres into bundles	Bailing				
	(iii)	Making yarn from fibres	Ginning				
	(iv)	Retting out gummy skin of jute stem to separate fibres	Retting				
	(A)	i & ii (B)	ii & iii	(C)	ii & iv	(D)	i & iv
26.	fro	used for m the mon of X wind for m the mon of X wind for the wind f					

	(A) $X = \text{jute}, Y = \text{flax}$	(B) $X = \text{jute}, Y = \text{cotton}$	(C) $X = cotton, Y = jute$	(D) $X = coir$, $Y = cotton$	
27.	Expansion gaps are left in the rathe tracks. This process is an ap	,	os accommodate the expansion of	of rails during hot weather without damag	jing
	(1) Di ci al di processo le dir ap	phoduorior	(") =(.l	b C	

- 2
 - (i) Physical change

(ii) Expansion of metals on heating (iv) Chemical change

- (iii) Contraction of metals on cooling (A) i & ii
 - (B) i, ii & iii
- (C) ii, iii & iv
- (D) ii & iv

- Sedimentation and decantation is a method of separation suitable for
 - (A) Solid in solid homogeneous mixture(C) Solid in liquid heterogenous mixture

- (B) Liquid in liquid homogeneous mixture(D) Solid in solid hetergeneous mixture
- Amount of solute A, B, C & D is in 1500 g of Water at 25°C, 50oC and 75°c in their saturated solutions are given below:

	25°C	50°C	75°C
Α	235 g	280 g	240 g
В	180 g	190 g	220 g
С	160 g	170 g	180 g
D	175 g	220 a	200 a

	Arrange the following solutes in their increasing order of their amount of solutes that crystallizes out by cooling from 75 degree celsius to 25 degree celsius.					
	(A) ABDC (B)	ACDB	(C)	CABD	(D)	ACBD
30.	Mixture of chalk powder, sugar and water can be separated by which of the following respective steps: (A) filtration, evaporation (B) distillation, filtration (C) separating funnel, evaporation (D) magnetic separation					
31.	The ball and socket joint is present in (A) ankle (B)	n: skull	(C)	knees	(D)	shoulder
32.	Another name of vertebral column is (A) Ribcage (B)	Backbone	(C)	Cartilage	(D)	Carpal
33.	Which of the following(s) is/are true (A) Maintaining body temperature (C) Get rid-off waste through urine 8			Help in absorbing nutrient fi All of these	om fo	ood
34.	Which of the animal moves with just (A) Earthworm (B)	one large, disc shaped musc Cockroach		oot? Snail	(D)	Tortoise
35.	The skeleton of cockroach is known (A) Muscles (B)	as Endoskeleton	(C)	Cartilage	(D)	Exoskeleton
36.	Which of the following plant part is ir (A) Roots (B)	volved in absorption of water Stem		minerals? Leaves	(D)	Petiole
37.	Pellagra is caused due to deficiency (A) Vitamin A (B)	of Vitamin B ₁₂	(C)	Vitamin B₃	(D)	Vitamin D
38.	Overeating of food leads to (A) Obesity (B)	Deficiency disease	(C)	Anemia	(D)	Allergy
39.	Figure contains two types of leaves	and two types of roots. Recoo	nise	the correct pair with respect	to lea	f venations & root system.
	*	*				
	(A) P, R (B)	P, S	(C)	Q, S	(D)	None of these
40.	Carrot, turnip & sweet potato are: (A) Roots (B)	Stems	(C)	Flowers	(D)	Leaf
41.	When soyabean is used for making (A) carbohydrates (B)	rotis, it provides more to high in saturated fats		proteins	(D)	salt
42.	When few drops of a solution are pla (A) Vegetable oil (B)	aced on corn, it turned the cor lodine solution		e-black. What could be the se Benedict's solution		n? Nitrate solution
43.	Which of the following given below is (A) Ball & socket joint (B)	s an imperfect joint? Suture	(C)	Elbow joint	(D)	Pubic symphysis
44.	This fruit is a rich source of lycopene (A) Lime (B)	e, contains 92% water by weig Banana		nd pH of its pulp varies betwe Apple		to 7. This fruit is likely to be: Watermelon
45.	Match Column-I with Column-II and	select the correct option from	the c	odes given below.		
	Column-I	Column-II				
	(A) Sternum	(i) 14				
	(B) Ribs	(ii) 1				
	(C) Hip bones (D) Facial bones	(iii) 24 (iv) 3				
	Match the correct option?	· · -				
	(A) $A \rightarrow (iv)$; $B \rightarrow (iii)$; $C \rightarrow (ii)$; D	\rightarrow (I);	(B)	$A \rightarrow (i); B \rightarrow (iii); C \rightarrow (ii)$;D →	→ (iv);
	(C) $A \rightarrow (ii)$; $B \rightarrow (iii)$; $C \rightarrow (iv)$; $D \rightarrow (iv)$			$A \rightarrow (ii); B \rightarrow (I); C \rightarrow (iii)$		