Duration: 60 min. **Maximum Marks: 180** Class: 7th Subject : SCIENCE



International Talent Search Examination - 2023-24

अंतर्राष्ट्रीय प्रतिभा खोंज परीक्षा - २०२३-२४ 🖦 🖷



Organized by

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

TEST BOOKLET

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Father'	s Occupation :	
Mother	's Occupation :	
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	nool: Father'	Father's Occupation :

Basic Instructions:

- Ensure that your personal data has been entered correctly.
- Immediately after opening the test booklet verify that all the pages are printed properly and are in ii. order. If there is a problem with your test booklet, immediately inform the invigilator. You will provided with the replacement.
- All questions in are compulsory. iii.
- For every correct answer you will be awarded with 4 marks and for all incorrect answer 1 mark will be deducted.
- 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.
- 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.
- Do not tear the question paper or OMR sheet else you will be disqualified in the examination.

CLASS-7 (SCIENCE)

1.	Air moving gently is called: (A) storm (B)) Kal-Baisakhi	(C)	breeze	(D)	all of these
2.	Which essential part of an electric ci (A) Switch (B)	ircuit is used to make or break) Bulb		lectric circuit? Plastic cover	(D)	All of these
3.	A storm that develops over the sea i (A) typhoons (B)	is called) cyclones	(C)	hurricanes	(D)	all of these
4.	57°C = K (Fill the correct opti (A) 273.15 (B)	ion in the blank).) 330.15	(C)	216.15	(D)	293.15
5.	If a current of 0.5 Ampere flows in a (A) 5 coulomb (B)	circuit, how much charges pas) 50 coulomb		through a point in the circuit i 60 coulomb		ninutes? 120 coulomb
6.	Choose the correct statement(s) from (I) Unit of emf is volt. (II) Emf of a cell is its potential differ (A) only (I) is correct (B)				(D)	neither (I) nor (II) are correct.
7.	The temperature of a body is 95°F. (A) 368.15 K (B)	What will be its temperature in 308.15 K		vin? 95.15 K	(D)	300.15 K
8.	On which of the following factor(s) re (A) Thickness (B)	esistance of a material depend) Length	ls? (C)	Nature of materials	(D)	All of these
9.	When 900 Joule of heat is given to kg ⁻¹ °C ⁻¹ then find the value of p. (A) 5	100 g sample of a metal, its ter	mper (C)		pecifi (D)	
10.	A solid ball of mass 3 kg at 10°C is a solid ball is (assume no heat loss in (A) one fourth of specific heat of wate (C) one half of specific heat of water	surroundings) ater	(B)	The resulting temperature is 5 twice of specific heat of wat three times of specific heat	er	
11,	If a thermometer reads freezing poir temperature is 50°C? (A) 120° (B'	nt of water 10° and boiling poin		water as 130°, how much this 70°		mometer reads when the actual 60°
12.	Choose the correct statement(s) from I. Ampere second and coulomb both II. Ampere is the SI unit of electric cut. Voltmeter is used to measure pot (A) only (I) and (II) are correct. (C) (I), (II) and (III) are correct.	m the following: n are the units of electric chargourrent.	e. givei (B)			
13.	In the figure below shows a network (A) (16/3) Ω (B) 16 Ω (C) 8 Ω (D) 4 Ω	of resistances. The effective r	resist	ance between points A and B	of ne	etwork is
14.	The conventional direction of flow of (A) lower potential to higher potenti (C) positive terminal to negative ter	ial	(B)	uit is from: higher potential to lower pot both (B) and (C)	entia	I
15.	Which of the following factor(s) dete (A) Temperature (B)	ermines the weather of a place) Humidity		ny particular day? Air pressure	(D)	All of these
16. 17.	Which of the following is a reversible (A) The burning of wax (B) Growing different types of crops in a) The melting of wax	(C) easor		(D)	The cooking of food

	(A) Monoculture	(B) Irrigation	on ((C)	Crop rotation	(D)	Manuring
18.	Which of the following is no (A) HCI	t a mineral acid? (B) H ₂ SO ₄	1	(C)	HNO₃	(D)	CH ₃ COOH
19.	Select the incorrect stateme (A) Eri silk is used to make (C) Cocoons are chilled to	shawls and quilts		(B) (D)	Selective breeding ensured While sorting different texture	good es of	quality of wool sheep's wool are obtained
20.	The reaction of ammonium (A) Ammonium chloride an (C) Only ammonium carbot	d water	((B)	ormation of Ammonium carbonate and v Only water	vater	
21.	Certain amount of water per (A) 500 mL	rcolate at the rate (B) 50 mL			alculate the amount of water 100 mL		plated? 150 mL
22.	Which of the following is/are	e correctly matche	d.				
	Column - I		Column – II				
	i) Scouring		Cleaning sheared	woo	ol		
	ii) Mulberry leaves		Reeling				
	iii) Yak		Yield silk fibre		<u> </u>		
	(A) i & fl	(B) ii & iv	Food of silk worm	(C)	only i	(D)	only iv
23.	What will happen to melting	point of ice if som	ne common salt is add	ed?			
	(A) Melting point increases	(B) Melting	point decreases	(C)	No change in melting point	(D)	None of these
24.	Carbonic acid, the primary						
	(A) Carbon dioxide dissolvi(C) Bacteria that feed on pl				Plant roots All of three		
0.5					l d dan a da 50 a st dan a	. !! !	
25.							ot on filter paper in a funnel. When er was found to be 80 mL. What
	percentage of water should			01	water for in the incasaring o	yiiiiac	was lound to be so me. What
	(A) 20%	(B) 40%		(C)	50%	(D)	60%
26.	Which of the following is no (A) NaOH	t a base? (B) KOH	4.	(C)	NH ₄ OH	(D)	C₂H₅OH
27.	When electricity is passed t water is heated strongly, the Which of the following is/are (i) V = Physical change, Y = (ii) W = H ₂ , X = O ₂ (iii) V = Chemical change, Z (iv) Y = Physical change, W	en a change 'Y' tal e correct · Chemical change : = H ₂ O vapour	kes place which leads			es W	& X. On the other hand, when
	(A) (i) & (ii)	(B) (ii) & (ii	ii	(C)	(iii) & (iv)	(D)	(ii) & (iv)
28.	Refer the flow chart & select		")	(0)	(III) & (IV)	(D)	(II) & (IV)
	Plants Animal is homosism (A) W = cotton N Y = Silk	Animal is not harmed	ir, Y = Silk	(C)	W = jute, Z = Wool	(D)	Y = iuto
	(A) W - COLLOTT - SHK	¬(□) VV - CO	ni, i – Olik	(U)	vv – jule, Z – vvooi	(D)	X = jute, Z = Wool
29.				je - /	A). The biogas is then burnt a	s fue	I (change - B). The following
	statements related to these			/D\	Droope Die enhysical -L-	nac	
	(A) Process-A is a chemica(C) Both processes A and B				Process-B is a physical cha None of these processes is		mical changed
30.	Magnesium ribbon is burnt	completely. It leav	es powder ash 'X'. Pov	wde	r ash 'X' + Moist red litmus p	aper -	→ Colour. In above sequeno

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	identify powder ash 'X' and colou (A) Magnesium oxide, red		Magnesium oxide, blue	(C)	Magnesium hydroxide, red	(D)	Magnesium hydroxide, blue
31.	Digestion of food starts in: (A) Stomach	(B)	Mouth	(C)	Small intestine	(D)	Food pipe
32.	In plants, tiny pores through whice (A) Stomata		O₂ is taken in are called: Chlorophyll	(C)	Cell	(D)	Petals
33.	Haemoglobin is present in: (A) WBC	(B)	Platelets	(C)	RBC	(D)	None of these
34.	Identify X & Y with the help of fol X – Stores Bile Juice Y – Finger like projection to incre (A) X – Liver, Y – Pancreas	ease		(C)	X – Gall bladder, Y – Stomad	ch	(D) X – Gall bladder, Y – Villi
35.	Which of the following cells gets (A) RBC		rated when any foreign bacter WBC		nters into the body? Platelets	(D)	All of these
36.	Pulses are rich in: (A) Carbohydrates	(B)	Proteins	(C)	Fat	(D)	Minerals
37.	Largest gland in human body is: (A) Salivery gland	(B)	Pancreas	(C)	Liver	(D)	Gall bladder
38.	Urine is stored in: (A) Kidney	(B)	Urinary bladder	(C)	Urethra	(D)	Ureters
39.	Animals are adapted to survive in features to protect themselves as (A) Reindeers	gains		t the		IS.	climate must possess special All of these
40.	What are the most essential nutr (A) Nitrogen, Ferrous, Mangane (C) Molybdenum, Boron, Chlorin	ese	that a plant needs?		Nitrogen, Phosphorus, Potas Zinc, Boron, Potassium	ssium	
41.	Chlorosis is yellowing of the leav (A) Zinc		caused due to the deficiency of Potassium		Manganese	(D)	All of the above
42.	What is the function of bile in the (A) Breakdown of proteins		estive process? Emulsification of fats	(C)	Digestion of carbohydrates	(D)	Absorption of nutrients
43.	Sucrose is converted into glucos (A) chymotrypsin		ructose by enzyme: invertase	(C)	pepsin	(D)	maltase
44.	A milky liquid comprising fat drop digestion. Who I'm I? (A) Chyme		which flows from the lacteals		ne small intestine into the lym		c system during the process of None of these
45		. ,				(ロ)	Notic of these
45.	Growing children need which cor (A) Vitamin		ient of food more than the eld Fat		ersons? Mineral	(D)	Protein