Duration : 60 min.

Class : 8th

Maximum Marks : 180
Subject : SCIENCE



## **International Talent Search Examination - 2022-23**

## अंतर्राष्ट्रीय प्रतिभा खोज परीक्षा - २०२२-२३

## Organized by



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

TECT DAAKLET

TES	OI BOOKLEI
Name :	
Class : School:	
Father's Name :	Father's Occupation :
Mother's Name :	
Categories : Gen OBC	SC ST
Correspondence Address :	
Date of Birth :	
Father's Contact No :	
Home/Mother's Contact No. :	
WhatsApp No. :	
Basic Instructions:	3 2

- 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-8 (SCIENCE)

Q.1	Choose the pair of numbers that a) 33, 19	come next in the series 9, 11, 33, 13, b) 33, 35		33, 17. 19, 33	d) 19, 21
Q.2	Which of the following has the hig a) Petrol	hest calorific value? b) Natural gas	c)	Coke	d) Kerosene
Q.3	Of the four choices, choose the p related.	icture that would go in the empty box	so th	nat the two bottom pictures are related	d in the same way as the top two are
0.4	4	ning while welling on the read?	0)		a) 🖺
Q.4	Which force prevents us from slip a) Muscular force of our body	b) Gravitational pull by the Earth	c)	Frictional force	d) Balanced forces of nature
Q.5	Which of the following is called th a) Thyroid	e master gland of the human body? b) Adrenal	c)	Islets of langerhans	d) Pituitary
Q.6	Identify the phase of the moon. The moon is in between Earth an a) New moon	d Sun and the dark side of the moon b) Full moon		s towards Earth. Half moon	d) None of these
Q.7	Which microorganism present in a) Virus	the intestine of human and animals he b) Bacteria		in the synthesis and digestion of varie Algae	ty of foods? d) Fungi
Q.8	An object placed 4 m from a plana) 4 m	e mirror is shifted by 0.5 m away from b) 3.5 m		mirror. What is the distance between 9 m	the object and its image? d) 5 m
Q.9	Cup is to coffee as bowl is to a) Soup	b) Dish	c)	Spoon	d) Food
Q.10	Chemical compound whose mole a) Electrolyte	cules ionize into positively and negati b) Non-electrolyte		charged ions in a solution are called _ Molten metal	d) Salt solution
Q.11	will undergo the maximum appare	ent loss in weight?		d 12 mL of a liquid respectively, when	
	a) A	b) B		C	d) D
Q.12	To which of the following phylas of	oes the animal given below belongs	to?		
	a) Porifera	b) Aschelminthes	c)	Annelida	d) Arthropoda
0.13	,	ries the virus that causes yellow feve			.,
Q.10	a) Aedes mosquito	b) Culex mosquito		Blackfly	d) Putsi fly
Q.14	A car starts from rest and acceler a) 6.10 ms-2	ates uniformly over a time of 5.21 sec b) 8.10 ms-2		s for a distance of 110 m. Determine t 10.10 ms-2	he acceleration of the car. d) 12.10 ms-2
Q.15		oall B headed up the hill. At the instan	t whe	after ball A is kicked up the hill, ball B en ball A passes ball B, it has the sam Position and acceleration as ball B Displacement and velocity as ball B	
Q.16	Which of the following statements a) Cells with similar structures b c) Cells with similar structures a	ut have different functions.		A diverse group of cells that perform Cells with different structures but the	

Q.17	The heart of a man pumps 4 liters power of the heart. (Take g = 9.8 r a) 1.144 W			mm of mercury. If the density of merc	-	is 13.6 g cm-3, calculate the 3.155 W	
Q.18	Which of the following is a pair of 1. $^{15}N_7, \ ^{16}O_8$ a) Only 1	sobars? 2. <sup>13</sup> C <sub>61</sub> , <sup>14</sup> N <sub>7</sub> b) Only 3	3. c)	<sup>13C</sup> <sub>6</sub> , <sup>13</sup> N <sub>7</sub> Both 1 and 3	4. d)	<sup>12</sup> C <sub>6</sub> , <sup>13</sup> O <sub>8</sub> Both 2 and 4	
Q.19	Which of the following cells is similar controls of the following cells is similar cells of the following cells o	lar to the cell shown below?					
	a) A sperm	b) A cheek cell	c)	A nerve cell	d)	A mature RBC	
Q.20	Which of the following tissues sup	ports internal organs and helps in the	e rep	airing of tissues?			
	a) P	b) Q	c)	R	d)	S	
Q.21	<ul> <li>Which of the following is NOT a characteristic feature of sexual reproduction?</li> <li>a) It involves the fusion of two reproductive cells.</li> <li>b) It is common in most organisms.</li> <li>c) Fertilisation may take place inside or outsode the body of the female.</li> <li>d) The offspring receives its characteristics from one parent only.</li> </ul>						
Q.22	The property due to which non-mea) Malleability	etals break up i <mark>nto pieces on hamme</mark> r b) Ductility		s called Sonority	d)	Brittleness	
Q.23	Two or more crops that are grown a) Transplantation	together in same field to fulfill the nu b) Crop rotation		t requirement of each other is called _ Mixed cropping	d)	Fallowing	
Q.24	Linen is an example ofa) Plant fibre	b) Animal fibre	c)	Synthetic fibre	d)	Artificia <mark>l</mark> fibre	
Q.25	once, third letter of the word would be your answer. If more than one such word can be formed, your answer would be S and if no such word can be						
	formed, answer is M. a) C	b) S	c)	М	d)	Н	
Q.26	The interlocking of two surfaces g a) Electrostatic force	ve rises to b) Magnetic force	c)	Frictional force	d)	Gravitational force	
Q.27	Which of the following resources can replenish themselves by quick recycling and replacement within a reasonable time, if managed properly?  a) Coal  b) Soil  c) Natural gas  d) Sunlight						
Q.28	What does the blue zone in an L,F a) Unburnt vapour c) Moderately hot	P.G. flame indicate?		Partial decomposition Hottest zone of complete combustio	n		
Q.29	Which unit is used to measure the a) m/s	loudness of sound? b) hertz	c)	Decibel	d)	Newton	
Q.30	Embellishing the Truth occurs when a person adds fictitious details or exaggerates facts or true stories. Which situation below is the best example of Embellishing the Truth?  a) Isabel goes to the theater, and the next day, she tells her coworkers she thought the playwas excellent.  b) The realtor describes the house, which iseleven blocks away from the ocean, asprime waterfront property.  c) During the job interview, Fred, who hasbeen teaching elementary school for tenyears, describes himself as a very experiencedteacher.  d) The basketball coach says it is likely thatonly the most talented players will get a collegescholarship.						
Q.31	On what factors does the frequency of sound depend in wind instruments?  a) The length of the air column b) The breadth of the air column c) The force with which the wind is blown d) All of the above						
Q.32	Spot the odd one out. a) Street	b) Freeway	c)	Interstate	d)	Expressway	

Q.33	What is the outcome of the release of carbon particles and smoke from factories?  a) Increases the rate of respiration in plants.  b) Decreases the rate of photosyntesis in plants.  c) Increases the absorption of carbon dioxide by plants.  d) Decreases the rate of transpiration in plants.							
Q.34	A student examined a particular plant cell through its various stages of growth. After making various measurements, he realised that the increase in cell size was largely due to enlargement of the central vacuole rather than an increase in the amount of cytoplasm. Why might this be an advantageous strategy for the cell?  a) Enlarging the cytoplasm would make the cell less turgid. b) Enlarging the vacuole would make it unnecessary for the cell wall to stretch. c) Enlarging the vacuole would minimise any lowering of the surface area - volume ratio of the cytoplasm. d) All of these							
Q.35	In a bangle shop, if the shopkeeper displays the bangles in the form of a square, he is left with 38 bangles. If he wants to increase the size of square by one unit each side of the square he found that 25 bangles fall short of in completing the square. The actual number of bangles which he had with him in the shop was  a) 1690 b) 999 c) 538 d) Can't be determined							
0.00	·	•	0)		a) carre be determined			
Q.36	Rubber and coconut belongs to that a) Oil crop	b) Sugar crop	c)	Fibre crop	d) Plantation crop			
Q.37	The phenomenon in the figure bel	ow is possible due to						
	a) Dispersion	b) Refraction	c)	Diffused reflection	d) Regular reflection			
Q.38	Sweat, saliva, tears and mucus cop. Chromosomes a) p only	ntains q. Lysozymes b) q only		Ribosome p and r	s. Golgi bodies d) rand s			
Q.39	Which of the following voices is like A woman  a) A woman	ely to have a minimum frequency? A man b) A man		paby girl A baby girl	A baby boy d) A baby boy			
Q.40	Select the correct option and com Electrolysis of an aqueous solutio a) chlorine gas at anode		c)	chlorine gas at cathode	d) Both a and b			
Q.41	Given below are characteristics of (i) Builds the hive Which of the following is X?	an organism X: (ii) Collects nectar and pollen	(iii)	) Cleans the cells and protects the hiv	e			
	a) Queen bee	b) Worker bee	c)	Drone	d) Male bee			
Q.42	If A and B are two objects with ma (p) A has more inertia than B (q) B has more inertia than A (r) A and B have the same inertia (s) none of the two has inertia a) p	sses 6 kg and 34 kg respectively, the	en: c)	r y	d) s			
Q.43	PVC is a very durable and long la of colours in between. PVC is an example of	sting material which can be used in a b) thermoplastic		ety of applications, either rigid or flexil thermosetting plastic	ole, white or black and a wide range d) acrylic			
Q.44	What different types of method ard 1. Traditional methods of cultivat 2. Traditional methods of weedin 3. Traditional methods of seed seed 4. Traditional methods of irrigation a) Only 1	e Moat, Dhekli and Rahat? ion g owing		Only 4	d) 1, 2 and 3			
Q.45	Which of the following metals in that a) Zinc	eir molten state cause galvanisation b) Copper		n iron article? Carbon	d) Gold			