Duration: 60 min.

Class: 10th

Maximum Marks: 180
Subject: SCIENCE



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

## अंतर्राष्ट्रीय प्रतिभा खोज परीक्षा - २०२२-२३





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

TEST BOOKLET

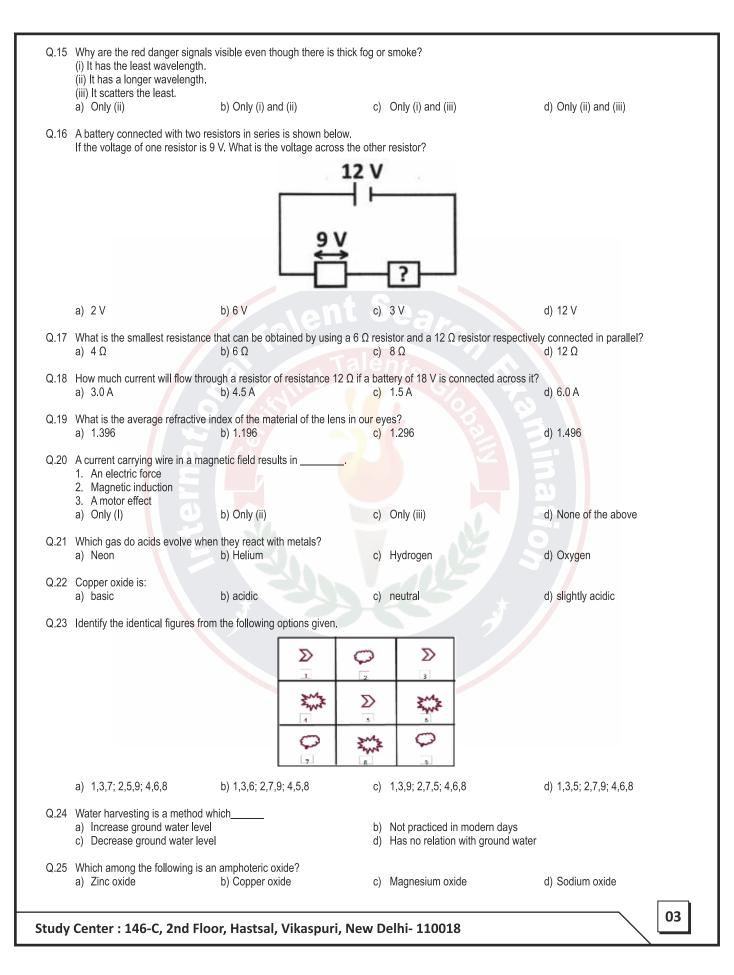
Name :	vont 3e						
Class:	School:	a/c/					
Father's Name :	Father	s Occupation :					
Mother's Name :	Mother	r's Occupation :					
Categories : Gen	ОВС	sc Sc	ST				
Correspondence Address :							
Date of Birth :							
Father's Contact No :							
Home/Mother's Contact No. :							
WhatsApp No. :							

## **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-10 (SCIENCE)

Q.1	Fermentation of East to alcohol a) aerobic respiration	is: b) natural process	c)	anaerobic respiration	d) none of these			
Q.2	The brown hair of Seem is an: a) acquired trait	b) natural trait	c)	Darwin's trait	d) inherited trait			
Q.3	What would happen if all the property a) Herbivore will starve to deat c) Carnivore will starve to deat	h		All organisms will start to death Producers will starve to death				
Q.4	Washing soda is: a) sodium carbonate	b) sodium hydrogen carbonate	c)	sodium hydroxide	d) calcium carbonate			
Q.5	Which among the following prot a) Oxygen	ects us from the harmful UV radiati b) Ozone		of sun? Carbon dioxide	d) Carbon monoxide			
Q.6	Which country has many power a) Japan	plants of geothermal energy? b) USA	c)	China	d) Denmark			
Q.7		the word ENTHUSIASM are interch be the sixth letter from the right? b) A		ed, also the third and fourth letters,	the fifth and the sixth letter and so			
Q.8		be used as an additive in petrol? b) ethyl	ſ	ethnic acid	d) etha <mark>n</mark> e			
Q.9	Why should we conserve fores a) To protect biodiversity	t and wildlife? b) To maintain the ecosystem	c)	To maintain balance	d) To continue food chain			
Q.10	The SI unit of resistance is: a) metre	b) ohm	c)	joule	d) kilogr <mark>a</mark> m			
Q.11	1 What causes the redness of a red coloured object?  a) The object absorbs red colour.  b) The object allows red colour to pass through.  c) The object absorbs and refracts red colour.  d) The object reflects red colour.							
Q.12	<ul> <li>Which of the following statements is true of Faraday's laws of electromagnetic induction?</li> <li>a) Whenever magnetic flux linked with a circuit changes, induced e.m.f is produced</li> <li>b) The induced e.m.f lasts as long as the change in the magnetic flux continues</li> <li>c) The magnitude of the induced e.m.f is directly proportional to the rate of change of the magnetic flux linked with the circuit.</li> <li>d) All of the above</li> </ul>							
Q.13	3 Two teams 'X' and 'Y' are playing football under flood lights that emit yellow light. Players of team 'X' are dressed in white shirts and black shorts and players of team 'Y' are dressed in yellow shirts and blue shorts. Which of the following is true of the colour change appearing in their dresses?							
	a) Team X: White shirts, blue s Team Y: White shirts, black		b)	Team X: Yellow shirts, blue shorts Team Y: Yellow shirts, blue shorts				
	c) Team X: Yellow shirts, black Team Y: Yellow shirts, black		d)	Team X: White shirts, blue shorts Team Y: White shirts, blue shorts				
Q.14	Which of the given reactions is a a) Carbon + Oxygen → Carbo c) Glucose → Carbon dioxide	n dioxide		Hydrogen + Chlorine → Hydrogen Sulphur + Oxygen → Sulphur dio				



Q.26	Rust is: a) hydrated ferric oxide	b) ferric oxide	c)	sodium chloride	d) calcium carbonate
Q.27	What is the relation between my a) sister-in-law	brother and his wife's mother-in-lay b) mother		daughter? father	d) sister
Q.28	Which among the following wast a) Uric acid	e product is not excreted by animal b) Urea	ls? c)	Caffeine	d) Carbon dioxide
Q.29	The SI unit of heat is: a) Celsius	b) kelvin	c)	metre	d) joule
Q.30	The compound used for white w a) Magnesium oxide	ashing is: b) Sodium nitrate	c)	Potassium iodide	d) Slaked lime
Q.31	The organism that undergo phota) amoeba	osynthesis is: b) blue green algae	c)	protozoa	d) plasmodium
Q.32	The SI unit of refractive index is: a) dioptre	b) no unit	c)	cm	d) m
Q.33	The salts of which of the following a) K	ng metals can act as electrolyte? b) Ag	c)	Au	d) Cu
Q.34	Which among the following is a sa) HIV	sexually transmitted disease? b) AIDS	c)	syphilis	d) all of these
Q.35	The full form of UV rays isa) Ultra violet	b) Ultra violent	c)	Ultra valve	d) Ultimate violet
Q.36	When an object is placed at infir a) large	nity of convex mirror, image fo <mark>rmed</mark> b) point sized		be: inverted	d) same <mark>si</mark> ze
Q.37	Which among the following prote a) Oxygen	ects us from the harmful UV radiation b) Ozone	ons (	of sun? Carbon dioxide	d) Carbo <mark>n</mark> monoxide
Q.38	What is the elemental classificat a) Transition Metals	ion of krypton? b) Halogens	c)	Semimetallic	d) Ine <mark>r</mark> t gas
Q.39	What is the elemental classificat a) Noble gases	ion of silver? b) Transition metals	c)	Alkali metals	d) None of the above
Q.40	What is the best example for pola) White light	ychromatic light? b) Sodium light	c)	Black light	d) Rainbow
Q.41	On what did Mendel conducted I a) Pisum Sativum	nis famous experiments? b) Abelia grandiflora	c)	Asplenium spec	d) Baccharis viminea
Q.42	What is called as the composition a) Phenotype	n of genes in an organism? b) Phonotype	c)	Genotype	d) None of the above
Q.43	The optic nerve takes the image a) Sound signals	from the eye to the brain in the form b) Electric signals		what type of signals? Noise signals	d) ECG signals
Q.44	How are bats able to fly in the da a) They produce infrasonic waves c) They produce infrared waves	es.		They can hear ultrasonic sounds. They can hear infrared waves.	
Q.45	Which part of the eye is respons a) Ciliary muscles	ible for transmitting the images to to b) Optic Nerve		orain? Pupil	d) Retinal nerve