

Duration : 60 min.  
Class : 6th

Maximum Marks : 180  
Subject : SCIENCE



## International Talent Search Examination - 2022-23

अंतराष्ट्रीय प्रतिभा खोज परीक्षा - २०२२-२३

Organized by

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



### TEST BOOKLET

Name : .....

Class : ..... School: .....

Father's Name : ..... Father's Occupation : .....

Mother's Name : ..... Mother's Occupation : .....

Categories : Gen  OBC  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.
- 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 be provided with the replacement.
- All questions are compulsory.
- 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.
- Rough work can be done separately or on the Question paper.
- 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.

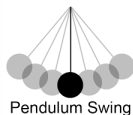


- Q.16 Which process is used to separate a pure solid from a solid-liquid solution?  
 a) Simple distillation      b) Crystallisation      c) Filtration      d) Sedimentation and decantation
- Q.17 Landfills are most commonly used method of soil waste disposal. Which is the best place for landfill in a city?  
 a) Near a school      b) Outside the city      c) Near a hospital      d) Near a park
- Q.18 Which organs help a fish to swim in water?  
 a) Lungs      b) Streamlined body      c) Fins      d) Both b and c
- Q.19 Observe the figure given below. Identify X, Y and Z.



- a) X: Opaque body  
Y: Light source  
Z: Shadow
- b) X: Light source  
Y: Opaque body  
Z: Light source
- c) X: Light source  
Y: Opaque body  
Z: Shadow
- d) X: Opaque body  
Y: Shadow  
Z: Light source
- Q.20 Which part of the cabbage plant is edible?  
 a) Flower      b) Root      c) Stem      d) Leaves
- Q.21 You can find fats abundantly in which of the following food substances?  
 a) Wheat, rice, sugar and potatoes      b) Ghee, oil, milk and cheese  
 c) Soyabeans, fish and meat      d) Carrots, mangoes and lemon fruits

- Q.22 What kind of motion is shown by the pendulum?



- a) Oscillatory      b) Rectilinear      c) Curvilinear      d) Translatory
- Q.23 What type of motion does a rolling ball exhibit on the ground?  
 a) Rotatory motion      b) Translatory motion      c) Periodic motion      d) Both a and b
- Q.24 Which one of the following is transparent medium?  
 a) Butter paper      b) Water      c) Metal      d) Stone
- Q.25 Select the figure which satisfies the same conditions of placement of the dots as in figure (X).



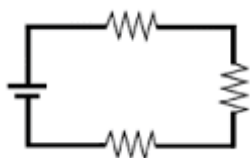
- a)      A      b)      B      c)      C      d) D
- Q.26 Ravi wrote two terms 'X' and 'Y' about a solution. 'X' means 'no more will dissolve'. 'Y' means 'how much will dissolve'. Identify the terms 'X' and 'Y' respectively.  
 a) Insoluble, Amount      b) Saturated, Solubility      c) Solubility, Volume      d) Insolubility, Saturated
- Q.27 The medium through which light can pass partially or wholly is called?  
 a) Aquatic      b) Optical      c) Hydraulic      d) Watery
- Q.28 Which of the following is shown by the image below?



- a) Scattering of light      b) Destruction of light      c) Liberation of light      d) Bunch of light
- Q.29 A mixture contains two solids P and Q. Solid P is light in weight while solid Q is very heavy. Their sizes are almost same. Here, P is an unwanted component. To get pure solid Q, which separation method would you suggest?  
 a) Sieving      b) Winnowing      c) Magnetic separation      d) Filtration

- Q.30 Where is the force of attraction of a magnet the maximum?  
 a) At all sides                      b) All over the magnet                      c) At its poles                      d) At its centre
- Q.31 Which of the following disease is caused by the deficiency of calcium?  
 a) Osteomalacia                      b) Beri Beri                      c) Scurvy                      d) Rabies
- Q.32 Naina loves wood working. She spent time carving statue, sanding it smooth and painting it. What type of change occurred to the wood?  
 a) Reversible change                      b) Irreversible change                      c) Undesirable change                      d) Periodic change
- Q.33 Most of the electricity carrying wires near highways do not have plastic covering like the wires used domestic purposes. But there is no substantial loss of energy because  
 a) Air is a bad insulator of electricity                      b) Air is a bad conductor of electricity  
 c) Electricity flows very fast near highways                      d) Both b and c
- Q.34 If the letters of the word RUTHENIUM are rearranged in the alphabetical order. Which letter will be second to the right of the middle letter?  
 a) T                      b) N                      c) M                      d) H

Q.35 Identify the circuit.



- a) Series                      b) Parallel                      c) Complex circuit                      d) Cannot say
- Q.36 Name the plant whose leaves are modified to thin spines to reduce the loss of water through transpiration.  
 (A) Water lily                      (B) Sugar plant                      (C) Cactus plant                      (D) Mango plant
- Q.37 Rotation of Earth on its axis is an example of which type of motion?  
 (A) Rectilinear motion                      (B) Circular motion                      (C) Rotational motion                      (D) Oscillatory motion
- Q.38 At what trophic level in the food chain the autotrophs are present.  
 (A) First trophic level                      (B) Second trophic level                      (C) Third trophic level                      (D) Fourth trophic level
- Q.39 A red car covers the distance 200 m in 20 seconds and a blue car covers the distance 20 km in 20 minutes. Which car has the greater speed?  
 (A) Red car                      (B) Blue car                      (C) Both have equal speed                      (D) All of these
- Q.40 Name the joint which exist between our skull and neck.  
 (A) Hinge joint                      (B) Ball and socket joint                      (C) Pivot joint                      (D) Fixed joint
- Q.41 If A stands for add and B stands for subtract, then  $4A - 3B + 3A - 2$  equals \_\_\_\_\_.  
 (A) 2                      (B) 4                      (C) 6                      (D) 8
- Q.42 Pia walks a distance of 4 metres towards south. Then she turns to the left and walks 3 metres. After this she turns to the right and walks 4 metres. In which direction is she facing now?  
 (A) North-East                      (B) South                      (C) North                      (D) South-West
- Q.43 Read the given statements and select the correct option.  
 Statement 1 : The process of separation of lint and seeds from harvested cotton fibres is called ginning.  
 Statement 2 : Process of forming slivers from ginned material is called combing.  
 (A) Both statements 1 and 2 are true and statement 2 is the correct explanation of statement 1.  
 (B) Both statements 1 and 2 are true but statement 2 is not the correct explanation of statement 1.  
 (C) Statement 1 is true and statement 2 is false.  
 (D) Both statements 1 and 2 are false.
- Q.44 Neutral insulator P is rubbed with neutral insulator Q. Insulator P becomes positively charged after the rub. Which of the following statements is correct?  
 (A) P loses some electrons to insulator Q.                      (B) Q loses some electrons to insulator P.  
 (C) P gains positive charge from insulator Q.                      (D) Q gains positive charge from insulator P
- Q.45 We can recycle water by \_\_\_\_\_.  
 (A) Reusing the water from washing clothes to cook                      (B) Discharging factory waste into canals and seas  
 (C) Discharging sewage and waste materials into the ocean                      (D) None of these