



Young Scholars Foundation

Prizes

SCIENCE

**GRADE
4**

<p>1st Rank ₹ 50000</p> <p>+</p> <p>Gold Medal + Certificate of Excellence</p>	<p>2nd Rank ₹ 25000</p> <p>+</p> <p>Silver Medal + Certificate of Excellence</p>	<p>3rd Rank ₹ 10000</p> <p>+</p> <p>Bronze Medal + Certificate of Excellence</p>
--	--	--

**4th TO 10th
Rank
Rs 1100**

+ Certificate of Excellence

**11th TO 50th
Rank
Wrist Watch**

+ Certificate of Excellence



Instructions

Time : 1 hour

Maximum Marks : 50

- Maximum Time is 1 hour & You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
- Write your **Name, School Code, Class, Roll No.** and **Mobile Number** clearly on the **OMR Sheet** and do not forget to sign it.
- The Question Paper comprises four sections: **Scientific Reasoning** (13 Questions), **General Science** (12 Questions), **Logical Reasoning** (5 Questions) and **Wise Wizard** (5 Questions). Each question in Wise Wizard carries two marks each, whereas all other questions carry one mark each.
- All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
- To mark your choice of answers by darkening the circles on the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only.

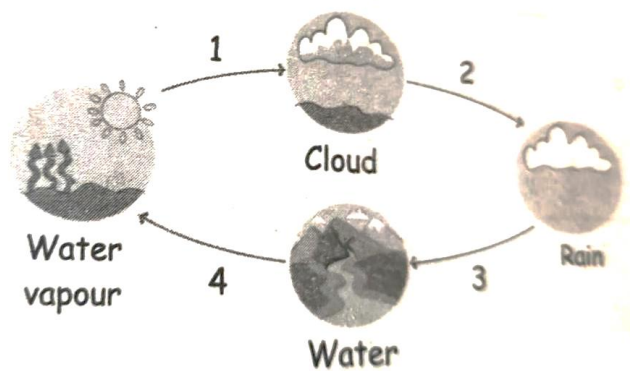
Roll No

Student Name

Father's Name

SECTION - A (SCIENTIFIC REASONING)

- Q1. Your mother gave you a glass full of mango shake. Your sister poured that into your lunch box and kept the box in freezer. After few hours what all changes did you notice?
- Mango shake evaporated away
 - Mango shake turned into a mango
 - Mango shake took the shape of lunch box and became ice cream
 - All of these
- Q2. Which of the following can be compressed easily?
- A block of wood
 - A glass of milk
 - Balloon filled with air
 - All of these
- Q3. This plant contains chlorophyll but its leaf do not appear green completely.
- Rose
 - Croton
 - Mushroom
 - Coconut
- Q4. Which among the following is correct chemical reaction for the respiration in plants?
- Sugar + carbon dioxide \rightarrow oxygen + water + energy
 - Sugar + oxygen \rightarrow carbon dioxide + water + energy
 - Sugar + water \rightarrow oxygen + energy
 - Sugar + water + energy \rightarrow carbon dioxide
- Q5. The diagram below illustrates the water cycle. Which arrow represents the gaseous form of water.



- 1 and 3
- 2 and 4
- 2 and 1
- 4 and 1

Q6. Match the following:-

- | | |
|--------------|---------------------|
| a. Incisors | i) cracking teeth |
| b. Canines | ii) cutting teeth |
| c. Premolars | iii) grinding teeth |
| d. Molars | iv) tearing teeth |
- a. (a-iii), (b- i) , (c- iv), (d-ii)
b. (a-iv), (b- iii) , (c- ii), (d-i)
c. (a-ii), (b- i) , (c- iv), (d-iii)
d. (a-ii), (b- iv) , (c- i), (d-iii)

Q7. Unscramble the given letters to get the name of an adaptation which is shown by the given animal.

- a. LUEBBRB
b. AOFAUCMLEG
c. JLGSL
d. ETEFRHA



Q8. Which one of the following is correct?

- a. Capacity is measured in cubic.
b. Long distance is measured in millimetre.
c. Time is measured in grams.
d. Short Length is measured in centimetres.

Q9. Lack of hemoglobin causes.

- a. Anaemia b. Cancer c. Malaria d. Cholera

Q10. Which is a good source of roughage?

- a. Fruits and vegetables
b. Butter and ghee
c. Eggs and meat
d. Milk and cheese

Q11. What is the long pipe called which takes the food from the mouth to the stomach?

- a. Large intestine
b. Esophagus
c. Small intestine
d. Pancreas

Q12. Rest : Motion:: Push :?

- a. Motion b. Pull c. Rest d. Run

Q13. Which of the following energies can be replenished?

- a. Solar energy
b. Wind energy
c. Water energy
d. All of the above

SECTION - B (GENERAL SCIENCE)

Q14. Who was the first one to discover the concept of gravitational force?

- a. George Einstein
b. Albert Einstein
c. Sir Isaac Newton
d. None of these

Q15. What does the given sign indicate?

- a. Caution
b. Danger
c. Recycle
d. Reduce



Q16. Gaseous discharge from industries cause:-

- a. Water pollution
b. Air pollution
c. Land pollution
d. Noise pollution

Q17. Citrus fruits contain _____

- a. Protein b. Carbohydrates c. Fats d. Vitamin -C

Q18. Planting of trees in large numbers is called:

- a. Deforestation b. Soil erosion
c. Afforestation d. Terrace farming

Q19. The animals who change their body temperature according to the temperature of their surrounding are called:

- a. Cold –blooded animals
- b. Warm – blooded animals
- c. Arboreal animals
- d. Pet animals

Q20. Which of the following planets are very cold and are called ice giants?

- a. Uranus and Saturn
- b. Neptune and Mercury
- c. Earth and Neptune
- d. Uranus and Neptune

Q21. What is the name of the process of water droplets falling from the sky?

- a. Evaporation
- b. Condensation
- c. Precipitation
- d. Infiltration

Q22. In which layer of atmosphere most part of ozone is found?

- a. Lithosphere
- b. Stratosphere
- c. Exosphere
- d. Troposphere

Q23. Identify the invertebrate among the following:-

- a. Python
- b. Whale
- c. Lion
- d. None of these

Q24. When an object blocks the path of light, a _____

- a. noise
- b. shadow
- c. pleasant sound
- d. All of these

Q25. Which of the following animals breathes through spiracles?



SECTION - C (LOGICAL REASONING)

Q26. In a certain code language , if PRINCIPAL is written as \$ # 2 * @ 2\$ 75 and POLICE is written as \$ 352@8, then how PEON is written in that code language?

- a. \$ 5 # * b. \$ 83* c. \$23# d. @ 8#7

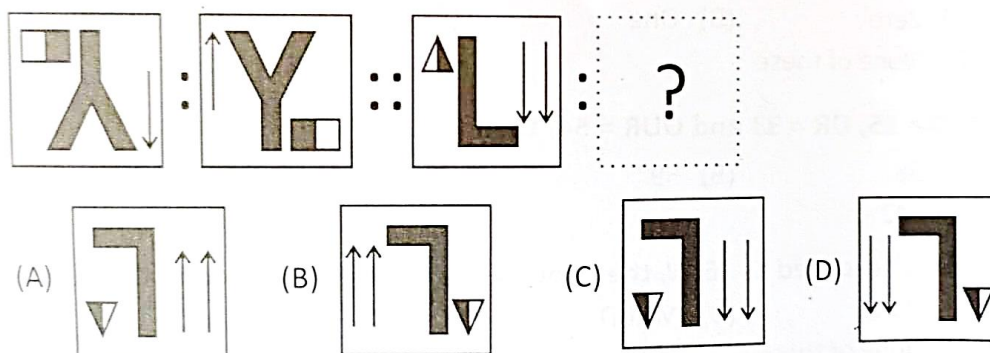
Q 27. Correct arrangement of the following words as they occur in dictionary is :

1. Cook 2. Rank 3. Bank 4. Book
 a. 4,3,1,2 b. 3,4,1,2 c. 3,2,4,1 d. 3,2,1,4

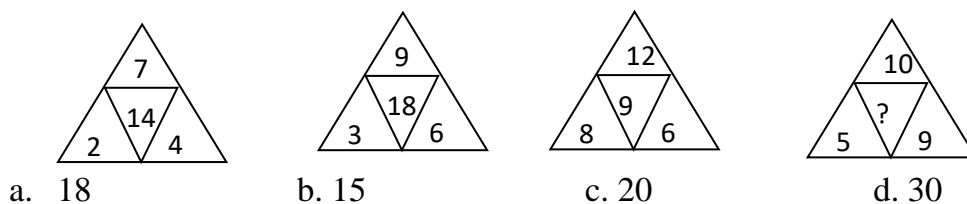
Q28. Rahul starts moving from a point P towards North. After walking some distance he turns his right. Again after walking some distance he turns his right. Now his direction is definitely towards:-

- a. East b. West c. North d. South

Q29. Find the matching pair:-



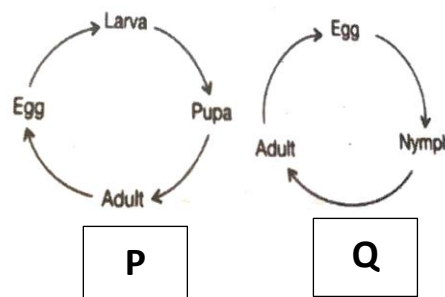
Q30. A certain rule is followed in the given figure. Find the missing number.



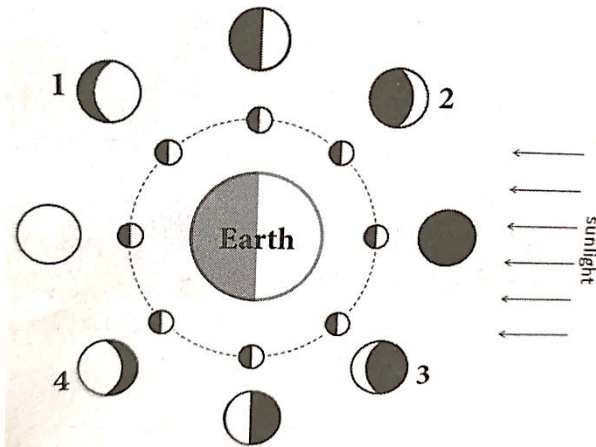
SECTION - D (WISE WIZARD)

Q31. Study the two life cycles P and Q and Select the option that correctly identifies the organism which shows these cycles respectively.

- a. Mosquito Butterfly
 b. Housefly Cockroach
 c. Lizard Frog
 d. Grasshopper Dragonfly



Q32. Look at the following figure and choose the correct option.

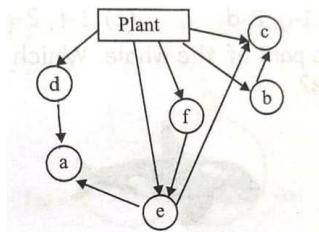


- a. Figure 1 represents waxing gibbous moon
- b. Figure 2 represents waning gibbous moon
- c. Figure 3 represents waxing crescent moon
- d. Figure 4 represents waning crescent moon

Q33. Saurabh blew at a plastic toy windmill and then held it under a tap from which water was dripping. Which of the following was saurabh trying to prove?

- a. That wind and flowing water possess energy.
- b. That is mouth and the tap possess energy.
- c. That his mouth and the water possess energy.
- d. That moving air and moving water does not possess energy.

Q34. Study the given food web. How many of the given organisms are carnivores?

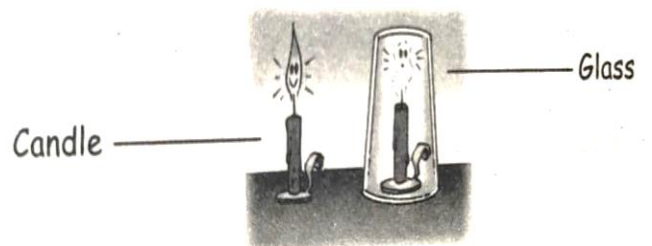


- a. 2
- b. 3
- c. 4
- d. 1

Q35. A student carried out an experiment as shown in the figure given below.

Which is the best conclusion drawn from the experiment?

- a. Air moves things
- b. Air is needed for burning
- c. Air occupies space
- d. Air has weight



Space for rough work
