Macro Vision Academy, Burhanpur
Sample Entrance Test Paper (2021-22)

Class-8th   **Time:1hr**   **M.M:30**

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GENERAL INSTRUCTIONS:
- **The question paper has 30 questions in all. Each question carries 1 mark.**
- **All questions are compulsory.**
- **'Section A' contains 5 questions of English .**
- **'Section B' contains 10 questions of Mathematics.**
- **'Section C' contains 10 questions of Science .**
- **'Section D' contains 5 questions of Social Science.**

Section-A English (5)	Section-B Mathematics (10)	Section-C Science (10)	Section-D Social Science (5)	Obtained (30)

Section- A (English)
Read the following passage carefully and answer the questions given below.   5
Summer Treats

Jessica and Ellen were having fun on the swings at the park on a hot summer day. They both loved the feeling of the air on their faces when they would swing high up over the ground. After a little while they dragged their sneakers in the dirt to stop swinging. Mom had given the twins money to get a summer treat at the park's snack shop. "What are you getting?" asked Jessica. "I want an orange popsicle. That's my favourite kind," replied Ellen. "Let's split one so it won't all melt." The two girls bought the popsicle and then started on home. They wondered where the frozen treat on a stick came from so they asked their Mom. "Oh, popsicles were invented by a boy just about your age. He was eleven. He mixed something like Kool-Aid and water together and brought it on the porch. He forgot to bring his drink inside and it froze overnight with the stirring stick still in it. That's how the first popsicle was made. Later he sold his treats to the neighbours and then when he grew up he started a popsicle factory." The twins had only heard about famous adult inventors and wondered if someday they too could make some kind of new invention.

1. Where were the twins swinging?
   a. At home   b. At school   c. At the park   d. None of these
2. What treat did they buy?
   a. Popsicle   b. Candy bar   c. Popcorn   d. None of these
3. Choose the correct Question tags for the sentence given below.
   Jessica and Ellen were having fun on the swings, ...?
   a. weren't they?   b. won't they ?   c. aren't they ?   d. were they ?

4. Choose the correct alternative for changing the sentence given below in Passive Voice.

   A boy of just about your age invented popsicles.

   a. Popsicles were invented by a boy just about your age.

   b. Popsicles had been invented by a boy just about your age.

   c. Popsicles are invented by a boy just about your age.

   d. Popsicles will have been invented by a boy just about your age.

5. What will be the Present Perfect Tense of the given sentence.

   He forgot to bring his drink.

   a.   He will forget to bring his drink.   b. He has forgotten to bring his drink.

   c.   He forgets to bring his drink.   d. He would have forgotten to bring his drink.

Section- B (Mathematics)

Choose the correct alternatives: **10**

6. Which has the greatest product ?

   (a) 2 x 3   (b) (-2) x 3.   (c) 3 x (-2)   (d) 5 x 0

7. A car covers 48.2 km in one litre of petrol. How much distance will it cover in 10 litres of petrol

   (a) 4.82 km   (b) 482 km   (c) 4820 km   (d) none of these.

8. Which of the following products is not equal to 1

   (a) 5/6 x 6/5   (b) 9 x 1/9   (c) 8/7 x 7/8   (d) 14/3 x 3/ 4

9. The mean of first five whole number will be

   (a) 3   (b) 2   (c) 0   (d) None of these

10. The value of [(-6) + 6] + [(-2) +2] is

   (a) 16   (b) 8   (c) 0   (d) 2

11. The solution of equation 4x + 9 = 49 is

   (a) 5   (b) 10   (c) 15   (d) 20

12. In a triangle, angles opposite to equal sides are

   (a) parallel   (b) perpendicular   (c)equal   (d) unequal

13. A shopkeeper bought a chair for ₹500 and sold it for ₹625, its profit percentage is

   (a) 25   (b) 30   (c) 40   (d) 60

14. In a computer lab, there are 3 computers for every 6 students. How many computers will be needed
    for 24 students?

   (a) 6   (b) 8   (c) 12   (d)16

15. A binomial is an algebraic expression with _____ terms

   (a) 1   (b) 2   (c) 3   (d) 4

Section- C (Science)

Choose the correct alternatives: **10**

16. Which of the following is a property of an acid?

   (a) Sour taste   (b) Sweet taste   (c) Bitter taste   (d) Salty taste

17. The food making process in plants is called as

   (a) glycolysis   (b) photosynthesis   (c) photolysis   (d) chemosynthesis

18. The false feet of Amoeba are called as:
    (a) mesopodia   (b) pseudopodia   (c) legs   (d) parenchyma
19. Identify the element that is used for making the filament in bulbs.
    (a) Silver   (b) Copper   (c) Aluminium   (d) Tungsten
20. Soil erosion can be stopped by
    (a) Planting trees   (b) Cutting trees   (c) Wasting water   (d) None of these
21. Name the organ of the body in which the blood is oxygenated.
    (a) Stomach   (b) Lungs   (c) Lever   (d) Pancreas
22. Which one of the following contains haemoglobin?
    (a) RBC   (b) WBC   (c) Platelets   (d) None of these
23. What is the function of WBCs?
    (a) Transport of oxygen   (b) Fight against germs
    (c) Involved in blood clotting   (d) All of these
24. Silk is derived from
    (a) cocoon   (b) pupa   (c) egg   (d) moth
25. Which one is filled in the bulb of a thermometer?
    (a) Mercury   (b) Lead   (c) Copper   (d) Silver

Section- D (Social Science)

Choose the correct alternatives: **5**
26. Who was given the title of viceroy?
    (a) Chief Commissioner   (b) Governor General   (c) Forest Manager   (d) None of these
27. MLAs are the elected representatives of _____

(a) State Legislature   (b) Rajya Sabha   (c) Vidhan Sabha   (d) Jila Parishad

28. Constitution of a nation contains------.
    (a) Rules   (b) Laws   (c) Both (a) and (b)   (d) None of these
29. Basket weaving falls in the category of----------- .
    (a) small-scale industry   (b) cottage industry   (c) large-scale industry   (d) none of these
30. _____ was the English founder of Congress.
    a) A .O. Hume   (b) Robert Clive   (c) Esther Hill   (d) Chris Paul

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