St. XAVIER'S HIGH SCHOOL
EDUCATION FOR ALL
BANKURA, WEST BENGAL

Affiliated to CBSE (New Delhi) 10+2 Level
Affiliation No.: 2430130
School Code: 15720

ADMISSION TEST FOR CLASS IX

FM- 50   Time: 1 Hrs

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ENGLISH

A. Read the following passage and answer the following questions. Each question carries one mark.   (1×5=5)

Children must be brought up without pressure and then enter adulthood free from the damaging effects of tradition and fear. Children must be given free expression of thought. A boy once asked Krishnamurthy, "Is it your hobby to give lectures? Don't you get tired of talking? Why are you doing this?" Krishnamurthy answered, "I'm glad you asked that question. You know, if you love something, you never get tired of it. I mean, love in which there is no desire to want something from it. you are talking and you are getting something like money, reward, sense of your importance, then there is tiredness, then there is no meaning because it is only self-realization, but if there is love in your hearts, it is like a spring that always gives fresh water.

a) Children should be educated without

(i) money   (ii) pressure   (iii) fear   (iv) books

b) If you_____ something, you never get it.

(i) love   (ii) hate   (iii) expression   (iv) joy

c) Children should be given _____ type of expression.

(i) complex   (ii) busy   (iii) free   (iv) damaging

d) _____ quality of Krishnamurthy excited the children.

(i) fun loving   (ii) listening   (iii) lecturing   (iv) talking

e) 'Weariness' means _____

(i) anger   (ii) tiredness   (iii) joy   (iv) happiness

B. Answer the following questions. Each question carries one mark.   (1×5=5)

(a) The wise leader and politician _____ assassinated.

(i) are   (ii) has been   (iii) have been   (iv) have had been

(b) This servant …….. (work) with us for ten years.

(i) works   (ii) has been working   (iii) is working   (iv) does work

(c) Politics _____ been one of the debatable topics.

(i) is   (ii) are   (iii)have   (iv)has

(d) I said to you, "He punished himself." What will be the indirect speech of this sentence? –

(i) I told you he punished himself   (ii) I told you that he had punished himself.

(iii) I said to you that he had punished himself.   (iv) I told him he had punished himself.

(e) He said, "May you live long." What will be the indirect speech of this sentence? –

(i) He said God might you live long.   (ii) He said I might live long.

(iii) He wished that I might live long.   (iv) none of the above

C. Answer the following question. This question carries five marks.   (5×1=5)

(a)You met your old friend in the market today after five years. Write a diary entry expressing your thoughts and emotions on the meeting.

<div align="center">Or</div>

(b) Due to selfish human activities and overuse of natural resources, global warming is taking place, which poses danger to humankind. Write an article to highlight the effects of global warming using the hints given below.
Hints

- Increase in Earth's temperature between 0.4-0.8 degrees Celsius.
- Increased levels of greenhouse gases and excessive cutting of trees are the major causes.
- Further rise between 1.4-5.8 degrees Celsius by 2100.
- Rising sea levels, severe storms, and other severe weather conditions.
- Can lead to ocean acidification, the collapse of tropical rain forests, and huge masses of ice falling into oceans.
- Preventive steps should be taken to check global warming.

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SCIENCE

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A. Choose the correct option: (1×12=12)

1. The force exerted by the earth to pull the object towards itself is called-
(a) Electrostatic force   (b) Gravitational force   (c) Muscular force   (d) Contact force

2. An electrolyte is-
(a) a metal   (b) a liquid that conducts current   (c) a non-metal   (d) none of these

3. Fluids are-
(a) liquids   (b) gases   (c) both (a) and (b)   (d) none of these

4. What is the angle of incidence of a ray if the reflected ray is at an angle of 90° to the incident ray?
(a) 60°   (b) 45°   (c) 90°   (d) 180°

5. Which of the following is a liquid at room temperature?
(a) Iron   (b) Bromine   (c) Iodine   (d) Phosphorus

6. Least polluting fuel for vehicles is
(a) coke   (b) kerosene   (c) diesel   (d) CNG

7. Wood pulp is used to make
(a) plastic   (b) wool   (c) jute   (d) rayon

8. Which is non-renewable source of energy?
(a) Natural gas (b) Wind energy   (c) Tidal energy   (d) Mechanical energy

9. Which is pesticides?
(a) 2, 4-dichlorophenoxyacetic acid   (b) Malathion   (c) MCPA   (d) Chloroform

10. Which cannot fix atmospheric nitrogen in the soil?
(a) Rhizobium   (b) Clostridium   (c) Azotobacter   (d) Penicillin

11. Cells which lack nuclear membrane are
 (a) Eukaryotic cells   (b) Prokaryotic cells   (c) Unicellular   (d) Multicellular

12. The cell formed after fertilization is called

(a) Embryo (b) Foetus (c) Zygote (d) Egg

Answer the following questions: (1×3= 3)

1. What do you mean by frequency?

2. Which gland secret the adrenaline hormone and why it is called as Emergency hormone?

3. Name two soft metals which can be cut with a knife.

MATHEMATICS (2×20=20)

1) Additive inverse of -5/9 is   a) -9/5   b) 0   c) 5/9   d) 9/5

2) If $(2^{3x-1} +10) \div 7 = 6$ then x is equal to   a) -2   b) 0   c) 1   d)2

3) $\sqrt{0.9} \times \sqrt{1.6}$ = ?   a) 0.12   b) 1.2   c) 0.75   d)12

4) Which of the following is a cube of an odd number?   a)216   b) 512   c) 343   d)1000

5) If $(x - \frac{1}{x}) = 6$ then $(x^2 + \frac{1}{x^2})$ = ?   a) 36   b) 38   c) 32   d) $36\frac{1}{36}$

6) If 5t -3 =3t-5 then t=?   a)1   b) -1   c)2   d) -2

7) What percent of 10 kg is 250g =?   a)25%   b)55%   c) 10%   d)2.5%

8) A does 20% less work than B . If A can finish a piece of work in $7\frac{1}{2}$ hours .
then B can finish it in .

   a) 5 hours   b) 5.5 hours   c) 6hours   d) 6.5hours

9) How many diagonals are three in a hexagon ?   a) 6   b) 8   c) 9   d)10

10) The parallel sides of a trapezium measure 14 cm and 18cm and the distance between them is 9cm .
then area of the trapezium is   a) 96 cm^2 b)144cm^2 c) 189cm^2 d) 207cm^2