

ST. FRANCIS XAVIER SCHOOL
SESSION: 2022-23
MATHEMATICS PRACTICE PAPER
CLASS- VI

FULL MARKS: 40

TIME: 1 HOUR.

Answers to this practice paper must be written in the test copy.

Question 1

[10 x 1 = 10]

- (a) Form the largest number with the digits 0,4,3,8,6,5 and 2 without repetition of any digit.
- (b) Form the greatest 5 digit numbers using any 5 different digits, with the condition that the digit 4 is always at ten's place.
- (c) Mathematics book has 350 pages. How many pages will 45 such mathematics books have?
- (d) Add: 54378 and 67943
- (e) Write the following numeral using International system in words: 98,435,548
- (f) Write the following in numeral form:
Ten crore twenty five lakh sixty eight thousand nine hundred thirty two.
- (g) Fill in the blanks:
If a unit kilometre is taken 10 times the corresponding quantity is
- (h) What is the place value of 9 in 349567 ?
- (i) Write the smallest number which is just more than 99999
- (j) Fill in the blanks: 100000 trees - 1 tree =

Question 2

- (a) State whether true or false: [2]
 - (i) Sets {8,5,3,7} and {7,5,8,3} are not the same.
 - (ii) If Q is the set of letters of word ZOOM, then $Q = \{z,o,m\}$.
- (b) Find the value of x in each of the following proportions: $x : 5 = 15 : 25$ [2]
- (c) Write each given set in the roster form: [3]
 - (i) All prime numbers between 1 and 15.
 - (ii) All the natural numbers up to 40 and divisible by 5.
- (d) Increase 1500 in the ratio 5:8 and then decrease the resulting number again in the ratio 8:3. [3]

Question 3.

- (a) Find the second term of the proportion whose first third and fourth terms are 6,5 and 35 respectively. [2]
- (b) Write the cardinal numbers of the following sets: [2]
- (i) $G = \{-8, -9, -1, 0, 5, 7, 3\}$
- (ii) $B = \{ \}$
- (c) Simplify the following: $15 - [16 - \{ 12 + 21 \div (9 - 2) \}]$ [3]
- (d) The sides of a triangle are in the ratio 5 : 4 : 3. If the perimeter of the triangle is 48 cm, find the length of each side. [3]

Question 4

- (a) Fill in the blanks: [2]
- When two straight lines intersect, the sum of each pair of adjacent angles is always..... and the vertically opposite angles are always.....
- (b) Without making any actual division show that 430043 is divisible by 43. [2]
- (c) (i) State whether the given set is finite or infinite: $\{2, 4, 6, \dots\}$ [3]
- (ii) State whether the given set is disjoint set or overlapping sets :
 $P = \{\text{boys with ages below 12 years}\}$ and $Q = \{\text{boys with ages above 12 years}\}$
- (iii) State whether the given set is equal sets or equivalent sets:
 $\{ 10, 21, 35, 56, 67 \}$ and $\{ 56, 67, 21, 10, 36 \}$
- (d) In a club having 336 members 96 play cricket, 80 play football and remaining members play badminton. If no member plays two or more games find the ratio of members who play: [3]
- (i) cricket to the number those who play football.
- (ii) football to the number of those who play badminton.
- (iii) cricket to the number those who play other games.

ST. FRANCIS XAVIER SCHOOL
SESSION: 2022-23
CHEMISTRY PRACTICE PAPER
CLASS- VI

FULL MARKS: 40

TIME: 1 HOUR.

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QUESTION 1. Fill in the Blanks:

[1 X 5= 5]

- a. Water is matter because it has _____ and occupies _____.
- b. _____ is a chemical used to kill fungus.
- c. The amount of matter contained in an object is called _____.
- d. The chemical substances that prevent growth of microorganisms is called _____.

QUESTION 2. Define

[1x5=5]

- i. Fusion. ii Boiling. iii. Diffusion. iv. Melting point v. Sublimation.

QUESTION 3.

- a. Write three properties of matter. [3]
- b. Differentiate between solidification and liquefaction. [2]
- c. What is the importance of water vapor in air? [2]
- d. Write any three difference between solid, liquid and gas. [3]

QUESTION 4.

- a. With diagram compare the molecular arrangement of solid, liquid and gases. [3]
- b. What is the source of groundwater? How are clouds formed? [2]
- c. Write any three uses of air. [3]
- d. Does solid flow? If yes, justify your answer. [2]

QUESTION 5.

- a) Give reason: [2 X 3= 6]
 - i. Silicone is used in various industries.
 - ii. Gases can be compressed easily.
 - iii. Deep sea divers carry oxygen cylinders with them.
- b) Why do plants need nitrogen? [2]
- c) What happens when a solid is heated? [2]

ST. FRANCIS XAVIER SCHOOL
SESSION: 2022-23
BIOLOGY PRACTICE PAPER
CLASS- VI

FULL MARKS: 40

TIME: 1 HOUR.

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QUESTION 1:

Fill in the blanks.

[5]

1. _____ are green colored plastids
2. The largest gland of the human body is the _____.
3. The tiny pores on the surface of leaves are called _____.
4. Seed is covered by _____.
5. Structural and functional unit of life is called _____.

QUESTION 2:

Name the following: [5]

1. The habitat found in water
2. An infectious disease
3. Leaf with an undivided lamina.
4. Part of plant where photosynthesis occurs.
5. A tree that does not lose its leaves in winter

QUESTION 3:

- A. Write down the features commonly found in an insect-pollinated flower. [2]
- B. With a labeled diagram describe the parts of Respiratory system of human being. [4]
- C. Write how communicable disease through air and insects can be prevented. [4]

QUESTION 4:

A. Differentiate between the following:

[6+4]

1. Xerophytes and Hydrophytes
2. Metabolic disease and Hereditary disease
3. Dry and Fleshy fruits

B. Community hygiene is to be maintained to keep ourselves healthy. Write four ways how it can be

done.

QUESTION 5:

- A. Name the different parts of a fruit? Draw a labeled diagram to show the different layers present in a fruit wall. [3]
- B. Write the adaptive features of a camel [4]
- C. What are the differences between plant cell and animal cell? [3]

ST. FRANCIS XAVIER SCHOOL
SESSION: 2022-23
PHYSICS PRACTICE PAPER
CLASS- VI

FULL MARKS: 40

TIME: 1 HOUR.

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QUESTION 1.

[1 X5=5]

Answer in one word:

- a. Form of energy which helps us to see the world around us.
- b. It is the surest test of magnetism.
- c. A narrow straight line of light.
- d. These are the two ends of a magnet.
- e. Force supplied to the machine to do mechanical work.

QUESTION 2.

[1 X 5=5]

Give two examples of each:

1. Simple machine
2. Wedge.
3. Non luminous object.
4. Application of rectilinear propagation of light.
5. Extended source of light

QUESTION 3.

- A. i) Why frictional force is called as a necessary evil? [2]
ii) Write any three effects of force. [3]
- B. i) A lever of mechanical advantage 5 is used to lift a load of 150 kgf. What is the effort required? [2]
ii) What are the characteristics of the image formed by a pinhole camera? [3]

QUESTION 4.

- A. Define shadow. State and define the regions of a shadow. [3]
- B. Give reasons: [2]
- i) Moon and planets are considered non-luminous bodies. [2]
 - ii) The parts of machine which are not moving must be painted. [2]
- C. What are the different types of materials based on the ability to let light pass through them. Write short note on each. [3]

QUESTION 5.

- A. i) What are the differences between solar and lunar eclipse? [3]
- ii) Write short note on magnetic compass. [2]
- B. i) Diagrammatically represent different types of beam of light. [3]
- ii) Write the differences between natural and artificial magnet [2]