



Name :-

Class :-

Part I

- Answer all the questions.

(01) Draw two axes of symmetry of a circle.
 What is the special name of the axis of symmetry of the circle.



(02) Write two set that can be taken from your class.

(03) Who introduced a Venn diagram?

(04) Name a insect having one axis of symmetry.

(05) Simplify. (show the method)

$$2 + (3 \times 5)$$

(06) Write a number which has 4 digits is divisible by 6.

(07) Find the answer of, 10 subtract from 1000 001.

(08) 1 is not a prime number. Give reason.

(09) What is the 5th triangular number. Draw a pattern.

(10) What is the 10th square number. Draw a pattern.

(11) What is the 8th multiple of 3.

(12) Write 60 as a product of its prime factors.

(13) Find HCF of 15 and 60 by writing down all their factors.

(14) Write down a instance where you can observe angle which is dynamic in nature.

(15) How many striaght angles in two right angles.

(16) Find the value of 4^3 .

(17) Express 9.30 p.m. in international standard form.

(18) Express 3600 seconds in minutes.

(19) Find LCM of 2 and 3 by using knowledge of multiples of the number.

(20) Find the value of 5.3×100 .

Grade 7 - Mathematics Part - II

Answer the first question and another four questions only.

(01) Recall your memory about the assessment you have done in the class room related the lesson angles.

According to that answer the following questions.

- (i) Write the number of angles that you learned What are they?
- (ii) Draw an angle and mark the parts of it.
- (iii) Read the following statements and write the capital letter for the suitable column.
 - (a) The angles between the two blades of a pair of scissors when it is used for cutting.
 - (b) The angle between the edges of a set square.
 - (c) The angle between the grill of the window.
 - (d) The angle between the hour hand and the minute hand of a clock.
 - (e) The angles formed moving the sea sōw up and down.

Dyanamic nature of an angle	Static nature of an angle

(iv) Write two problems that you faced when identifying angle and write a person who helped you.

(02) (a) The given numbers are divisible by 4. Find ther suitable digit for the given cages.

(i) 517 * (ii) 329 * 2

- (b) Write two composite numbers between 1 and 10.
- (c) Write all the factors of 9.
- (d) Find ther HCF of 30, 45, 75 by writing each number as a product of its prime factors.

(03) (a) Write $3 \times 3 \times 3 \times 3$ using index notation and find the value.

(b) Write 125 in index notation with 5 as the base.

(c) Expand.

$$a^3b^4$$

(d) Find the value of a^4b^2 when $a = 2$, $b = 3$

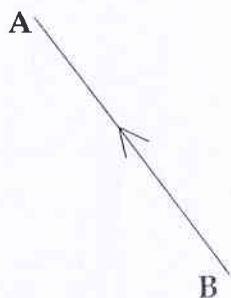
(e) Write down whether the relationship is correct or incorrect.

Give reason $2^3 > 3^2$.

- (04) (a) Write the set of letters of the word "communication".
- (b) $C = \{\text{Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday}\}$
- (i) Write down the set C in terms of a common property of its elements can be clearly identified.
- (ii) Represent the set C by a Venn diagram.
- (c) $E = \{\text{Colours of a rainbow}\}$
- Write the number of elements of the set E .
- (d) Draw a figure having many axes of symmetry.
- (e) Name the axes of symmetry. Draw a rough figure.

- (05) (a) Write down 5000318001 in standard form and write down the name of the number.
- (b) Simplify.
- (i) $50 - 10 \div 2$
- (ii) $5 \times (10 + 2) \div 11$
- (c) Write the given number in standard form, One billion ninety million nine hundred and nine.
- (d) Represent 5.05 on an abacus.
- (e) Write 12 midnight in international standard form.

- (06) (a) Write two features of parallel straight lines.
- (b) Write two instances where you can see parallel lines.
- (c) Write three instruments that you used to draw parallel straight lines.
- (d)



Draw a straight line parallel to AB .
Name it as PQ

- (e) Name the quadrilateral with pairs of opposite sides are parallel. Draw a rough figure.
