පළාත් අධ්‍යාපන දෙපාර්තමේන්තුවඋතුරුමැද පළාත
DEPARTMENT OF EDUCATION NORTH CENTRAL PROVINCE

Second Term Test - 2017

Grade	
6	

Mathematics

පාසලේ නම :- ....

ඇතුළත්වීමේ අංකය :- ....   Time: 2hrs

PART 1
• Answer all questions on this paper itself.

01. There are 30 pens in a box. Supun brought two such boxes and distributed 5 pens among each of his friend. How many friends has Supun got?

02. Write down the value indicated by the digit 6 in the number 5625

03. Simplify, $\frac{1}{2} + \frac{1}{6}$

04. Express 3.2 m in cm

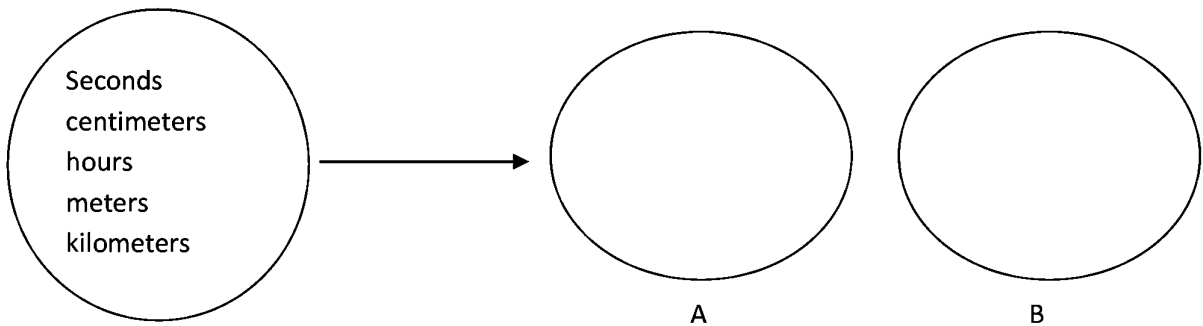05. What is the name of the following plane figure.

06.	Add 3.27 + 5.94

07.	Write the following numbers in ascending order. 2.1, 1, 0.3, 1.2

08.	Round off 88 to the nearest multiples of 10.

09.	The sports meet starts at 2.30 pm. Write this time in standard form.

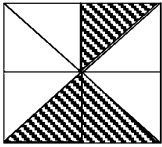| 10.	Separate the collection of items of the figure given below into two the groups A and B, according to the characteristics.

Seconds
centimeters
hours
meters
kilometers

A   B

11.	Write suitable names for the two groups of A and B in the above question no 10. A =... B = ...

12.	Express shaded part as a fraction.

13.	There is $5l$ of water in a certain bottle. $2l\ 250ml$ was reduced from it. Find how much water is there in the bottle now.

14.	An incomplete triangular number pattern is drawn in the given diagram. Find the triangular number which represents the diagram.

15.	Find the value of 24×12

16.

145,	500,	318,	225

From the above list select and write down the numbers which are divisible by 2.

17.	From the above list (Question no 16) select and write down the numbers which are divisible by both 2 and 5.

18. What is the main direction between North and South West?

19. Name and draw the shape of plane figure with four equal lengths and 4 right angles.

20. 1 is a prime number. Is it true or false? Give reasons for your answer?

Part II

- **Answer five qnestions inclnding the first**

01.a) Recall the activity which you got a shape after drawing lines on the folded lines of a rectangular paper which was folded 3 times so as coincide on one another.

  I.   How many equal parts were separated on the above paper?   (1 mark)

  II.   If 3 parts are shaded, write the shaded part as a fraction of the whole figure.(2 marks)

  Ill. Express the unshaded part as a fraction of the whole figure.   (2 marks)

  IV.   Write the suitable name for the fraction you obtained in II and III   (2 marks)

b) Chathura says that $\frac{2}{3} < \frac{2}{5}$
  I.   Is it true or false   (1 mark)
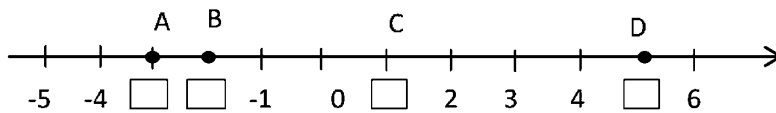 II.   Give reasons for your answer   (2 marks)

c) I.   Add $\frac{7}{18} + \frac{4}{9}$ (3 marks)
  II.   Simplify and write the answer in the simplest form
        $\frac{7}{12} - \frac{1}{4}$ (3 marks)

02.

I. Fill in the above cages using the suitable numbers. (3 marks)

II. Compare the numbers A and C and write a comparison of the values of A and C using the Sign > (2 mark)

III. Describe the above relation in words. (1 mark)

IV. Write all the integers between -2 and +2 (3 marks)

V. The temperatures of the three cities A, B, C are $-10C^0, 4C^0 and 30C^0$ respectively.

a) Which city recorded the lowest temperature? (1 mark)

b) Which city recorded the highest temperature? (1 mark)

03. When Kamal and Samanmali play the game using cards numbered from 1 to 10, the number of cards each obtained are equal at the starting of the game.

I. All cards Kamal obtained are even numbers write the numbers of the cards.(3 marks)

II. Write suitable name for the numbers of the cards obtained by Samanmali. (2 marks)

III. Write the two smallest composite numbers of the above cards. (2 marks)

IV. If the numbers of the card show the pattern 1, 3,….. - 10 fill in the blank. (2 marks)

V. Write the numbers of the card having square numbers. (2 marks)

04.   1 x $\square$ = 20

      2 x 10 = $\square$

      $\square$ x 5 = 20

    I.   Fill in the blank cages   (3marks)

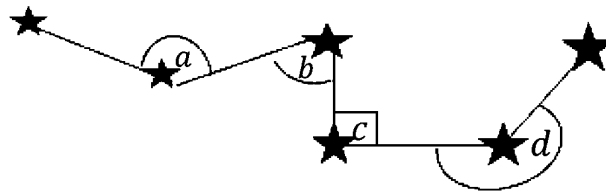   II.   Write all the factors of 20 using the above results.   (2marks)

    III.   Write all the factors of 24   (2 marks)

    IV.   Write all the common factors of 20 and 24   (2 marks)

    V.   The multiples of 8 are given in the pattern 8, 16, 24...... what is the 9th term of the above pattern   (2 marks)

05.   The following diagram shows a constellation (star pattern)

a)   Write down the types of angles is denoted by each letter.

    a   = ...

    b   = ...

    c   = ...

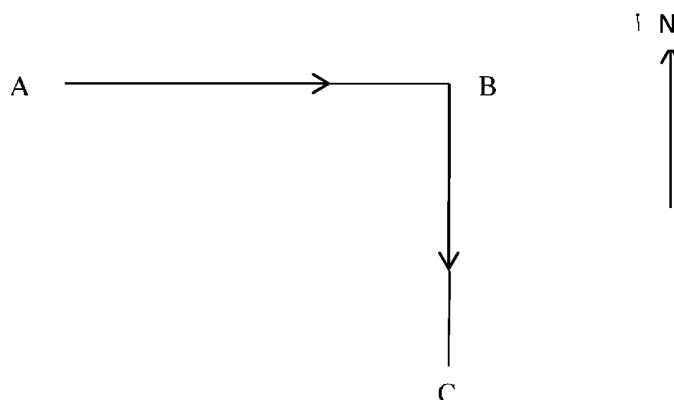   d   = ...   (4 marks)

b)   Draw a sketch to represent the angle between North and South East and state the type of angle.   (2 marks)

c) The following diagram shows game of the path of hopping by one leg (Hop scotch). The starting point of the game is A.

i. Fill in the blanks using suitable directions.

• The path of AB → ....

• The path of BC → ....   (2 marks)

ii. To win the game continue the game of hop scotch

  • From C to D towards the direction of south west
  • From D to E towards the direction of East
  • From E to F towards the direction of North (the distance of one hop is equal to 1m)

Extend the above diagram by drawing from C to F to win the game.   (3 marks)

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06. Nimal, Ruwan, Chamara and shashika are 04 friends of the Daham School. They are getting ready to illuminate the temple. "Maluwe" with oils lamps on the coming poya day. They decided that each oil lamp needs 30 ml of oil.

i. Estimate the amount of oil they need if they are going to light 200 oil lamps.(2 marks)

Nimal, Ruwan and chamara promised to supply the following amount of oil, while the balance is promised by Shashika.

Nimal-1l 750ml. Ruwan- 900ml, Chamara- 1l 450ml

ii. Find out the total amount of oil promised by Nimal, Ruwan and Chamara. (4 marks)

iii. Show it in ml (2 marks|)

iv. Find out the amount of oil that should be provided by Shashika in ml and show it in l and ml.   (3 marks)