

Department of Education – Western Province
Second Term Evaluation -2018
Grade 06
Mathematics

Name :

Time : 02 Hours

Part I

❖ Answer all the questions on this paper itself. Each question carries 02 marks.

1. Select and underline the date which is written in international standard form.

i. 1948-2-04 b. 1948-02-04 c. 48-02-04

2. Write the name of the solid with square shaped faces and which has 12 edges, 8 vertices and 6 faces.

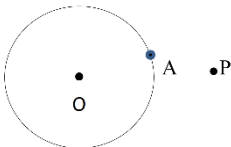
3. Find the value.

<i>l</i>	<i>ml</i>
3	856
+ 4	84

4. Subtract.

<i>Hours</i>	<i>minutes</i>
8	20
- 5	40

- 5.



The point A is situated on the circle.

- i. The point is situated outside the circle.
 ii. The point is situated inside the circle.

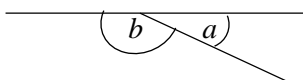
6. Write the following number in standard form.

Eighteen billion three –

7. Piya has Rs. 850. He spends Rs. 675 of it. Find the remaining amount.

8. Round off 77 to the nearest ten.

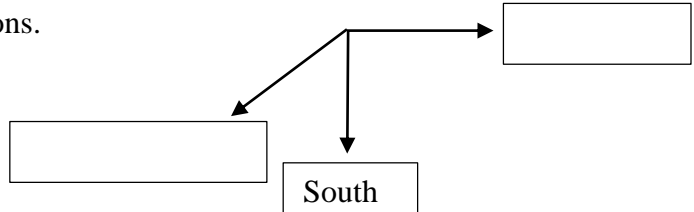
- 9.



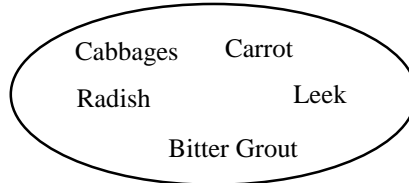
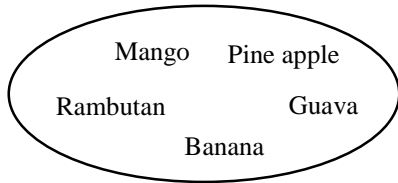
Select and underline the correct answer.

- i. *a* is an acute angle. *b* is a right angle.
 ii. *a* is an obtuse angle. *b* is an acute angle.
 iii. *a* is an acute angle. *b* is an obtuse angle.
 iv.

10. Fill in the blank boxes with suitable directions.



11. Suggest suitable names for the following groups.



A :

B:

12. Express 13075m in kilometers and meters.

13. What is the even prime number?

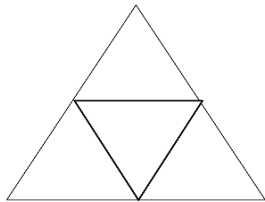
14. Underline the most suitable unit which can be used to measure the thickness of a coin.

i. mm

ii. cm

iii. m

15.



In the solid which can be made using the given net,

i. What is the name of it?

ii. How many vertices are there?

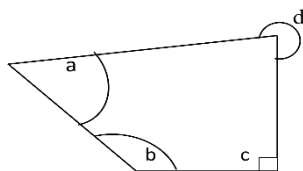
16. "Four is greater than two" Rewrite the above statement using inequality sign.

17. When a certain number is rounded off to the nearest multiple of 10, the value obtained was 90.

The greatest value that the number can take is -

The least value that the number can take is -

18.



Underline the letter which represent the angle, which is greater than the straight angle and less than four right angles.

i. a

ii. b

iii. c

iv. d

19. Write two equivalent fractions for $\frac{6}{18}$.

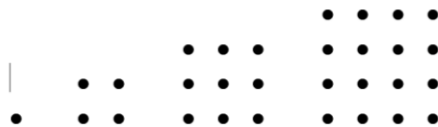
20. Find the value. $29.5 + 9.87$

Part II

- Answer the first question and another 04 questions only.
- First question carries 16 marks and other questions carry 11 marks each.
- Use a separate paper to answer the questions.

1. Recollect your knowledge on odd numbers, even numbers, prime numbers, composite numbers, square numbers and triangular numbers, which was discussed in the lessons numbers and number patterns.

- a. The following figure shows how Nimal represented the first four stages of a number pattern using dots.

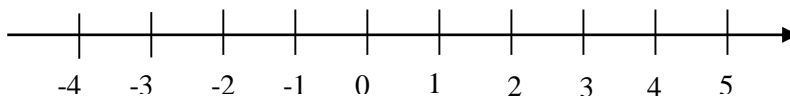


- i. According to the above pattern, represent the fifth stage of the pattern using dots.
 - ii. Write the number of dots in the first five stages in order.
 - iii. Which number pattern is represented by the above numbers?
 - iv. What is the 9th term of it?
 - v. Which term of it is 144?
- b. $1 + 2 + 3 + 4 + 5 + 6 + 7 = 28$
 The 7th term of the triangular number pattern can be obtained as mentioned above.
- i. What is the 8th triangular number?
 - ii. Which triangular number is 55?
 - iii. Write all the prime numbers between 10 and 20.

2. Simplify.

- | | | |
|------------------|------------------------|--------------------|
| i. $4987 + 92$ | iii. 430×10 | v. 854×37 |
| ii. $9000 - 376$ | iv. $35\,000 \div 100$ | vi. $839 \div 10$ |






3. A straight line segment used to represent numbers is called a number line.



- i. Write 3 characteristics of a number line which was drawn correctly.
 - ii. Draw a number line correctly and mark 0, -3, 3 and -1 on it.
 - iii. Write the integers 0, -3, 3, -1 in ascending order.
 - iv. Use the inequality signs $<$ or $>$ correctly and fill in the blanks.

a. $-7 \dots\dots\dots 3$	b. $0 \dots\dots\dots -8$	c. $-5 \dots\dots\dots -9$
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4.
 - i. Write down the fraction with denominator 10 and numerator 3.
 - ii. Write down the unit fraction with denominator 5.
 - iii. Write an equivalent fraction for the unit fraction written in (ii).
 - iv. Find the value. $\frac{5}{13} + \frac{2}{13} + \frac{4}{13}$
 - v. Find the value. $\frac{7}{8} - \frac{1}{4}$
 - vi. Sum of the two unit fractions is $\frac{8}{15}$. Write down the two unit fractions.

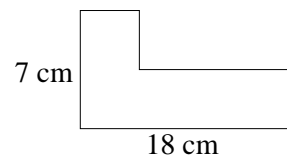
5. (a) If the following statements are true put ✓ and if they are wrong put ✗ in the brackets.

- a.  This is a quadrilateral. ()
- b.  This is a closed figure. ()
- c.  In a rectangle all the angles are equal. ()
- d.  This is a straight angle. ()
- e.  In a parallelogram all the sides are equal. ()

(b) i. Perimeter of a square is 48cm. What is the length of a side of it?

ii. If the length and the breadth of a rectangle is 17cm and 13cm respectively, find the perimeter of it.

iii. Find the perimeter of the given figure.



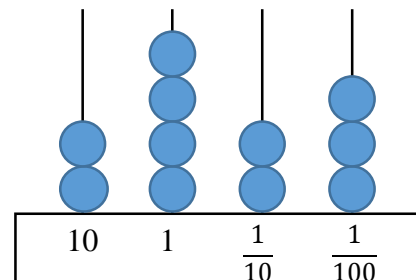
6. i. “Hundred and eighteen point zero” write the number.

ii. Write the number represented in the abacus in numerical form.

iii. Write it in words.

iv. Write $\frac{3}{10}$ and $\frac{7}{100}$ as decimal numbers.

v. Find the value. $53.7 - 8.98$



7. $28 = 1 \times 28$

$28 = 2 \times \dots\dots\dots$

$28 = 4 \times \dots\dots\dots$

- Complete the following statements using suitable numbers for the blanks.
- Write all the factors of 28.
- Is 9 a factor of 28? Give reasons for your answer.
- $357 \square$. Given 4 digit number is divisible by 5. What are the digits that should be in the blank box?
- Price of a coconut is Rs. 70. Find the price of 6 coconuts.