



யா/ஹாட்லீக் கல்லூரி, பருத்தித்துறை
J/ Hartley College, Point Pedro

முதலாம் தவணைப் பரிட்சை – 2018 – தரம் 06
First Term Examination – 2018 – Grade 06

கணிதம் I, II
Mathematics I, II

32

E

I, II

ஒரு மணி முப்பது நிமிடம்
One Hour Thirty Minutes

கணிதம்
Index No

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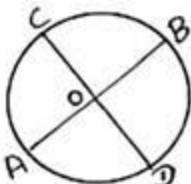
Mathematics

Part I

Answer all the questions

- 1) In 80147, write the place value of 0 ?
- 2) Fill in the blank by using “<”, “=”, “>”. (-4) (+4)
- 3) If the prices of an apple and an orange are Rs.20.00 and Rs.25.00 respectively, find the total price of such 5 apples and 6 oranges.
- 4) Simplify $2316 \div 12$
- 5) What is the place value of the sixth digit in a number from right to left?
- 6) Write down the suitable digit for the blank boxes. $7328 - \boxed{\quad} \boxed{\quad} = 4356$

- 7) If the length of AB is 8cm, find the length of CD?

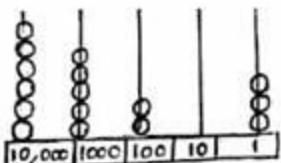


- 8) How many months have 30 days in a year?

- 9) State the angle of $\frac{1}{4}$ portion of a circle?

- 10) $21.318 \times 0 = \dots$ fill in the blank

11) Write down the number represented by the given abacus.



- 12) Round off 999 to nearest multiple of 100
- 13) Give two examples for the vertical plane
- 14) Give the type of angle denoted between the hour hand and the minute hand of 6 '0' clock
- 15) The compass needle always pointed in the direction of
- 16) Name the type of the angle between Eastern direction and western direction
- 17) Add 35 minute 41 seconds + 3hours 18 minutes
- 18) Which instrument is used to identify the horizontal plane?
- 19) If a bottle filled with 75 marbles, find the number of marbles in such 15 bottles.
- 20) A student sold a circular lamina into two equal parts in many times to get the different lines and he observes that all these lines passing through a point. How can you call it?

(20 \times 2=40Marks)

Part II

Answer any four Questions

1) a) Using each of the digits 9, 1, 5, 7, 4, 0 and 8 exactly once.

- Write down the largest possible number of five positions.
- Write down the value represented by 5 in that number.
- Write down the smallest possible number of five positions.
- Write the value represented by 4 in that number

b) i) Represent 4102572 on the abacus & mention its periods too.

- How can you read that number

c) Write the largest number in standard form that can be written using four different digits. $(4 \times 2 + 2 \times 2 + 3 = 15 \text{ Marks})$

which has the billions period as its last period.

2) a) i) Write today date in standard form.

- Give 2.40pm in standard form
- Express 627 minutes in hours and minutes.

b) i)

	hours	minutes	seconds
12	26	37	
-	<u>7</u>	<u>49</u>	<u>51</u>

ii)

	days	hours	minutes
4	14	25	
12	8	31	
+	<u>9</u>	<u>22</u>	<u>8</u>

c) When Rathesh bought 5kg of rice, $3\frac{1}{2}$ kg flour and 0.5kg dhal in a grocery shop, he was given a price list as below

Groceries	Price
1kg rice	Rs 85.00
1kg sugar	Rs 95.00
1Kg flour	Rs 70.00
1kg dhal	Rs.120.00

- Find the money should he pay for that?
- If Ramesh gives Rs.1000.00 to the shop keeper for this, how much does he has now? $(3 \times 2 + 2 \times 2 + 3 + 5 = 15 \text{ marks})$

3) a) The places of nine students in a classroom are shown below.

	Srihar	Kumar	Ragu
	Manoj	Ravi	Sankar
	Nishanth	Mani	Ramesh

i) Ragu is sat to the of Ravi.
 ii) Nishanth is sat to the of Manoj.
 iii) Sankar is sat to the of Ramesh.
 iv) Ravi is sat to the of Srithar.
 v) Kumar asked a pen from Nishanth by getting through Kavi. state the directions turned by Ravi.

b) Suthagar travelled 50m in eastern direction from his house. Then he turned south direction. After travelling 25m he travelled 20m in western direction to reach his friend's house.

i) Draw a rough diagram for the path of Suthagar.
 ii) Find the total distance travelled by Suthagar.

(5×2+3+5=15marks)

4) a) i) Draw a number line with the integers from (-5) to (+5)

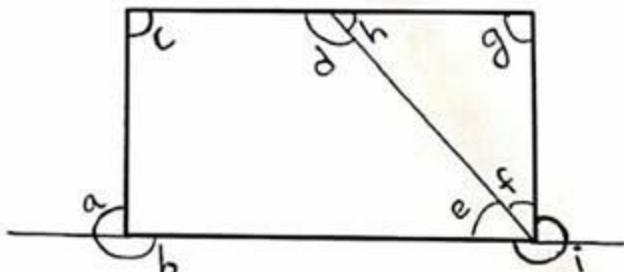
$$A = (+3), B = (-1), C = 0, D = (-4)$$

ii) Illustrate the given points on it.
 iii) Write the integers greater than B.
 iv) Give two consecutive integers between B and D?
 v) State the smallest integer.
 vi) Write the above points in descending order.

b) The number of eggs that a trader has when rounded off to the nearest multiple of ten is 60. When 7 of them were rotten the number of eggs he has rounded off to nearest ten was till 60. Find the suitable values for the initial number of eggs?

(6×2+3=15marks)

5) a) In the figure



i) Write the names of the angles b and d?
 ii) Which is the straight angle?
 iii) Which is the reflex angle?
 iv) Write the letters which denotes the right angle.
 v) Write the letters which denotes the angles less than a right angle.

b) Draw a figure to show the right angle,
 c) Draw a circular pattern.

(5×2+3+5=15marks)