MODEL ACADEMY

(THE PRESTIGIOUS SCHOOL OF MIER)

Class: 5ᵗʰ	Session Ending Exam 2019-20	Time: 2hr 30 min
Subject: Math	Sample Paper	Max. Marks: 80

Knowledge

Q.1 Choose the correct option: (6)

a) How many seconds are there in a day?

i) 60x60   ii) 24X60   iii) 24X60X60   iv)24

b) $2\frac{1}{4}$ min is

i)2 min. 25 seconds   ii)2 min. 30 seconds   iii)2 min. 15 seconds   iv) 2 min. 0.25 seconds

c)When the time is quarter past 12 the hour hand is

i)between 12 and 1   ii)at 12

iii)at 1   iv)at 3

d) A number decreased by ninety –two can be written as:

i. 92 – n   ii. n – 92   iii. n+ 92   iv. 92 + n

e) a + a + a + a is written as
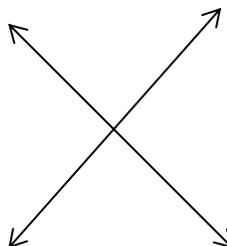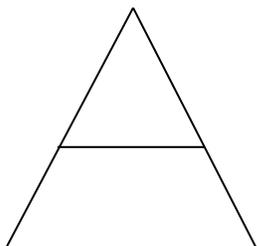
   i)   4 + a   ii) a4   iii) 4a   iv) a + 4

f) Which is the right set of numbers to complete the pattern:3 , _____, _____, ___, 35?

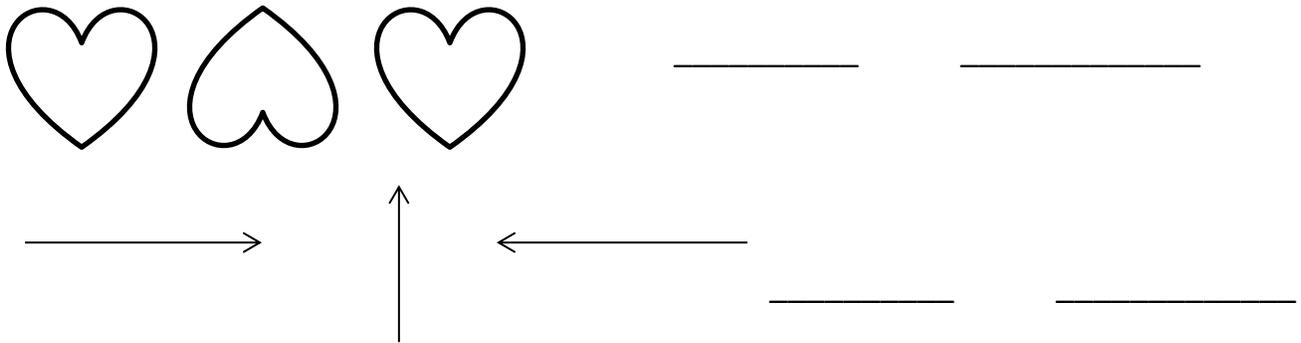i. 9,10,11   ii. 13,21,30   iii. 11 , 19, 27   iv.6,9,12

Q.2   Draw a line of symmetry of given figures   5x2=10 marks

Q3 Complete the pattern

Q.4 Find the value of a + b + 4 if a = 1, b = 2.

Q5. Write an algebraic expression for each of the following.

   i.   3 times x added to 2 times y
   ii.   Product of a and b, b and c, c and d are added

Q6:- The number of students in each class in a school is

Class I – 30, Class II – 42, Class III – 40, Class IV – 38

Present this data into tabular form.

Q7:- Anant took 2 h 35 min 40 sec and Sudhir took 2 h 42 min 55 sec to run a marathon. Who won? What was the time difference?   (4)

Understanding

Q.6 Fill in the blanks   (6)

i) 30 days = _____ month

ii) 1 year = _____ days

iii)What time is 1 hour after 3:35a.m_____

iv) Information presented in the form of number is called _____

v)What is the coefficient of xy in term4xy_____

vi 2 h = _____ min

2 x 5 = 10 marks

Q.7 Draw a cone and show top view, side view and bottom view of it.

Q8:- Add

    a. 2 years 8 months and 5 years 1 month

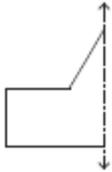Q. 9 Find a time period if a film starts at 6:15 p.m. and ended at8:20 p.m

Q.10 Group the like terms xz,xy,yz,2xy,3xz,5yz

Q11:- Draw the reflections of these shapes with the dotted lines as mirror.

    a.

    b.

Q12:-   80 children of class 5A were asked about the snack they liked the most. The result was as follows: (4)

Samosa : 40   Dhokla : 20   Pizza:10   Vada:10

Represent the data in a circle graph

<u>Ability to compute</u>

Q13:- Fill in the blanks   (4)
i.   A shape can be turned in either the clockwise or the _____ direction.
ii.   Numbers 1,3,6,10,15,…… are _____ numbers.
iii.   A _____ is a flat drawing of a place as it would look from the top.
iv.   Perimeter of square = _____

Q14:- Convert

i)   7 weeks into days

ii)   5 years into months

Q15. Subtract25 min40 seconds and 20 min 15 sec

Q. 16 Write the algebraic expression for:

a)3 Times x added to 2 times y

b)2 subtracted from the sum of x and p

Q.17 If x=1, y=0,   z=2 find the value of x+ y +z

Q18. Write the sum.

i.   x, y

Q19:- Write the terms of the algebraic expressions.

i.   3x - 7

Q20: Simplify: (4)

2xy + 3yz + 4xz + 3xy + 2xz + yz +10xz

                                    Problem Solving Ability
Q21:- Fill in the blanks   (4)
   a. If a = 0, 4 x a = _____
   b. How is a x 4 written in algebra?_____
   c. What is the value of 21m + 4 if m = 3? _____
   d. 4x a + 2 x b written as _____

Q.22 Convert :   (2)
   a)45 days into weeks and days

Q. 23Complete the3 number patterns   (4)
i)1,6,11,16 _____, _____

ii)2,4,6,8, _____,   _____

Q.24   SIMPLIFY: 3a+2b+4a+b   (2)
If a+2,b=3,c=4 find the value of a+b-c

Q.25 i) Add: 4 Hours 4 Minutes 4 Seconds+5 hours58 minutes58 seconds   (4)

ii)Subtract: 5years 8 months-2years 10 months

Q26:- Name one state: (4)

   a) to the east of Gujarat.   b) to the south of Madhya Pradesh

   c) to the North of Kerala.   d) to the west of Meghalaya.