ITL Public School

Summative Assessment 1(2015-16)

Mathematics – Set A

Date: 28/08/2015 **Class: VI**

Time: 3 hrs **M. M: 90**

General Instructions:

1. *Read the question paper carefully and answer legibly.*
2. *All questions are compulsory.*
3. *The question paper consist of 31 questions divided into four sections A,B,C and D*
4. *Section A comprises of 4 question of 1 mark each, section B comprises of 6 questions of 2 marks each, Section C comprises of 10 questions of 3 marks each and Section D comprises of 11 questions of 4 marks each*
5. *Use of calculators is not permitted.*

Section – A

Q1. Write the number of faces of a cuboid. 1

Q2. Give an example of a regular quadrilateral. 1

Q3. Write the greatest negative integer. 1

Q4. What will be the HCF of two consecutive even numbers? 1

Section – B

Q5. a) Find the product of the successor and predecessor of 99. 1
b) How many whole numbers are there between 24 and 49? 1

Q6. a) What is 9 more than (-8) equal to? 1
b) Write the predecessor of (-5) 1

Q7. Write the number names for:
a) 76,54,90,786 1
b) 2,458,765 1

Q8. Shikha is rowing a boat due north east. In which direction will she be rowing if she turns it through: 2
a) A straight angle
b) A complete angle

Q9. Find the product of the smallest prime number and smallest composite number. 2

Q10. Draw a rough diagram of two angles such that they have one ray in common. 2

Section – C

Q11. Arrange the following integers in ascending order:
-53, 15, 35, -23, 0, -12

Q12. Using divisibility rules find:
a)713289 is divisible by 11 or not. 1.5
b) 29354 is divisible by 6 or not. 1.5

Q13. Draw a rough sketch of a pentagon and draw its diagonals. Write the number of the diagonals it has. 3

Q14. After simplifying put appropriate sign in the blank. 3
(-36) + (-24) _____ 36 – (-24)

Q15. The number of sheet of paper for making a notebook is 7000. Each sheet makes 12 pages of a notebook. Each notebook has 300 pages. Find how many notebooks can be made from the paper available. 3

Q16. Find using suitable properties: 3
a) $8 \times 3098 \times 125$
b) 349×97

Q17. Three pieces of wood measuring 91 m, 112 m and 49 m long have to be divided into planks of equal length. What is the greatest possible length of each plank? 3

Q18. Draw a rough diagram for each of the following:
a) A closed curve that is not a polygon. 1.5
b) An open curve made up entirely of line segments. 1.5

Q19. a) Look at your watch. How many right angles do the minute hand moves between 8 a.m. to 10.30 a.m.? 2
b) Name the type of triangle in two different ways: ΔPQR with $\angle Q = 90^0$ and PQ = QR. 1

Q20. The sum of two integers is (-45). If one of them is 90, find the other? 3

Section – D

Q21. Draw a circle and mark: 4
a) its centre b) its radius c) a segment d) a sector e) an arc

Q22. a) Using divisibility rules, determine whether 25395 is divisible by 12 or not. 3
b) I am the smallest number, having three different prime factors. Find me. 1

Q23. a) Estimate the sum by rounding off to the nearest hundreds: 2161 + 3721 + 1529 3
b) Write 499 in Roman Numerals. 1

Q24. Find the smallest 4-digit number which when divided by 6, 15 and 18 leave remainder 5 in each case. 4

Q25. a) Draw an angle of 125^0 using protractor. 3
b) Write the measure of a straight angle. 1

Q26. a) Use number line to find (-5) + 7 2
b) Find the value,without using number line: (-31) + (-20) – (-25) 2

Q27. Write the number of faces, edges and corners/vertices of a triangular pyramid. What is another name of a triangular pyramid? 4

Q28. Draw a quadrilateral PINK. Label it properly. State: 4
a) Two pairs of opposite sides
b) Two pairs of adjacent angles

Q29. a) Find the HCF of 75, 60 and 100 by long division method. 3
b) Express 24 as the sum of two odd primes. 1

Q30. A businessman started a business of bats and balls. He bought each bat at a cost of Rs. 1875 and a ball at a cost of Rs. 125. If he bought 675 bats and 675 balls. Find the total amount he has spent. He then sold a bat at Rs. 2100 and offered a ball free to every customer. What can you say about this businessman? Describe his quality which you can observe through this act of his. 3 1

Q31. a) The town newspaper is published every day. One copy has 15 pages. Everyday 12,180 copies are printed. Find how many total pages are printed every day? 2 + 2
b) A vessel contains 4 *l* and 500 *ml* of milk. Find in how many glasses, each of 45 *ml* capacity, can it be filled?