INTERNATIONAL INDIAN SCHOOL – DAMMAM
SUMMATIVE ASSESSMENT – II (MARCH-2015)

CLASS: VI   MAX. MARKS: 90

SUBJECT: MATHEMATICS   **SET – A**   TIME: 3 HOURS

Instructions:-

1. All questions are compulsory.
2. The question paper consist of 34 questions divided into 4 sections:- Section A, Section B, Section C and Section D.
3. Section A contains 8 multiple choice questions of 1 mark each, Section B contains 6 questions of 2 marks each, Section C contains 10 questions of 3 marks each and Section D contains 10 questions of 4 marks each.
4. There is no overall choice. However internal choice has given in one question each in Section B, Section C and Section D.

SECTION – A(1x8=8)

Choose the correct answer:-

1. The amount of surface enclosed by a closed figure is called its ------------.
   a) boundary   b) area   c) perimeter   d) none of these

2. The degree of measure for $\frac{1}{2}$ of a revolution is --------
   a) 90^0 b) 270^0 c) 360^0 d) 180^0

3. 4 more than (-5) is
   a) 9   b) (-1) c) (-9) d) 1

4. Decimal form of $20 + \frac{7}{100} + \frac{5}{1000}$ is
   a) 20.750   b) 2.075   c) 20.075   d) 20.705

5. The algebraic expression of 'seven more than twice a number x' is --------
   a) $7 + x + 2$ b) $2x + 7$ c) $7x + 2$ d) $\frac{2x}{7}$

6. The ratio of 5m to 40cm is -------
   a) 2:25   b) 1:8   c) 25:2   d) 8:1

7. The equivalent fraction of $\frac{15}{35}$ with numerator 18 is -----
   a) $\frac{18}{42}$ b) $\frac{18}{21}$ c) $\frac{18}{20}$ d) $\frac{18}{28}$

8. A quadrilateral with one pair of parallel sides is called ------------.
   a) rectangle   b) square   c) rhombus   d) trapezium

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SECTION – B   (2 x 6 = 12)

9. Subtract (−49) from (−32)

   OR

   Write all the integers between (−6) and (+3) in descending order.

10. Using protractor draw <ABC=77⁰ and bisect it.

11. Represent the following fractions on a number line $\frac{2}{5}, \frac{4}{5}, \frac{7}{5}, \frac{8}{5}$

12. Give the expression for the following:
    a) y multiplied by 2 then 5 subtracted from the product.
    b) 7 subtracted from (−m)

13. Convert :
    a) 75m 75cm into metre
    b) 2kg 85g into kg

14. Find the sum of $\frac{3}{5}$ and $\frac{1}{3}$

SECTION – C   (3 x 10 = 30)

15. a) Divide Rs1,200 in the ratio 2:3 between Kavitha and Shreya.

    b) Find the value of x if x, 9, 18, 81 are in proportion.

16. Using ruler and compasses construct an angle of measure 45°.

17. a) Where will be the hand of a clock stop if it starts at 4 and makes $\frac{3}{4}$ of a revolution clockwise?

    b) How many right angles do you make if you start facing north and turn clockwise to west?

    c) Name the type of ΔPQR in two different ways in which m<Q=90° and PQ =QR.

18. Find $8\frac{1}{4} - 2\frac{4}{5}$

19. Jayanthi had 16m 9cm long cloth. She cuts 7m 50cm length of the cloth from this. How much cloth is left with her?

20. If Rahul's present age is x years,

    a) What will be his age 7 years from now?
    b) Rahul's sister is just half of his age. What is his sister's age?
    c) Rahul's father is 5 years more than 2 times Rahul's age. What is his father's age?

21. Determine if the ratios 38cm : 30cm and 95sec : 75sec are in proportion. If they are in proportion, write the middle and extreme terms.

22. Find the value of $(-101) + (200) + (-63) + (74)$

23. Priyanka took 3 rounds of a rectangular park 120m long and 40m wide. What is the distance covered by her?

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OR

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A square field has a side 27m. Find the cost of fencing its four sides at Rs. 18 per metre.

24. Draw any line segment AB and take a point R on it. Through R, draw a perpendicular to AB using ruler and compasses.

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SECTION – D   (4 x 10 = 40)

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25. How many tiles whose length and breadth are 20cm and 15cm respectively will be needed to pave the floor of a kitchen whose length and breadth are 500cm and 300cm respectively?

26. a) Find $(-576) - (-425)$

    b) Represent the following numbers as integers with appropriate sign:
        i) An aeroplane is flying at a height of 3000m above the ground
        ii) A diver dives to a depth of 6 feet below ground level.

27. Urmila travelled 10km 352m by bus, 2km 6m by rickshaw and 200m on foot to reach her school. How far is her school from her residence?

28. a) Find the equivalent fraction of $\frac{3}{5}$ having

        i) Numerator 42
        ii) Denominator 75

    b) Simran finished 15 sums out of 20 questions given. Sashi finished $\frac{4}{5}$ of the total number of questions given. Who finished more sums?

29. Draw a circle of radius 5cm. Draw any two of its chords. Construct perpendicular bisectors of these chords. Where do they meet?

30. Mohan spends Rs 16.50 for buying a pen and Rs 2.25 for pencil. He gave Rs 20 to the shopkeeper. How much amount will he get back?

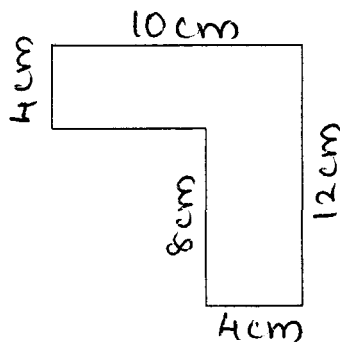31. a) Reduce the fraction to simplest form : $\dfrac{84}{98}$

b) An iron pipe of length $5\dfrac{1}{3}$ metre long was cut into two pieces. One piece is $3\dfrac{1}{7}$ metre long. What is the length of the other piece?

32. Solve:

a) $3x + 2 = 17$

b) $\dfrac{y}{9} - 1 = 9$

33. Find the area of the following figure by splitting into rectangles

34. a) The cost of 8 kg basmati rice is Rs 444. What is the cost of 15 kg basmati rice? What quantity of basmati rice can be purchased with Rs 616?

<div align="center">OR</div>

b) The weight of 63 boxes is 7 kg. What is the weight of 90 such boxes? How many such boxes would weigh 5 kg?