V & C Patel English School
Half Yearly Exam

Std. : VIII

Subject : Maths

Max. Marks - 80

Date : 15-09-2017

Time : 3 hrs.

General Instructions :

All questions are compulsory.

Section A (consists of 10 questions, each of 1 mark)

Section B (consists of 8 questions, each of 2 marks)

Section C (consists of 10 questions, each of 3 marks)

Section D (consists of 6 questions, each of 4 marks)

Section A

Q.1 Name the polygon with 8 sides. What is the sum of the exterior angles of any polygon?

Q.2 On which axis does the type of co-ordinates (0, y) lie?

Q.3 Find the product of $\frac{2}{6}$ and $\frac{-8}{9}$.

Q.4. Compare the rational numbers $\frac{4}{6}$ and $\frac{3}{5}$. Put <,> or = sign .

Q.5 Find the value of y for y + 3 = 10.

Q.6 Write the additive inverse of $\frac{-13}{19}$.

Q.7 Find the cube root of 343.

Q.8 When a die is thrown then find the probability of an event of getting a prime number.

Q.9 Write the properties of a rhombus.

Q.10 Write the formula for the amount to be paid at the end of n years, and the formula for compound interest.

Section B

Q.11 Find the squares of 15 and −120.

Q.12 Find four rational numbers between $\frac{3}{4}$ and $\frac{-1}{5}$.

Q.13 Evaluate the following.

(a) $\frac{3}{11} + \frac{9}{13}$

(b) $\frac{8}{12} \times (\frac{7}{9} + \frac{11}{13})$

Q.14 A man got a 10% increase in his salary. If his new salary is ₹ 1,54.000 then find his original salary.

Q.15 The volume of a cube tank is 1000m^3 . Find the side of the tank.

Q.16 Find the square root of 31.46 .

Q.17 Is 2352 a perfect square? If not, find the smallest multiple of 2352 which is a perfect square. Find the square root of the new number.

Q.18 By which two measurements you can draw a rhombus. Which quadrilateral can be constructed by using one side only.

Section C

Q. 19 (i) Find the area of rectangular park which is $36\frac{3}{5}$ m long and $16\frac{2}{3}$ m broad.

(ii) Write the multiplicative inverse of - $\frac{13}{19}$.

Q.20 On a particular day, the sales in rupees of different items of a baker's shop are given. Draw a pie chart for this in your answer sheet.

Ordinary bread	: 320
Fruit bread	: 80
Cakes and pastries	: 160
Biscuits	: 120
Others	: 40
Total	: 720

Q.21 The ages of Ram and Rahim is in the ratio of 5 : 7. Four years from now the ratio of their ages will be 3 : 4 . Find their present ages.

Q.22 Name the quadrilaterals whose diagonals

(a) bisect each other

(b) a perpendicular bisector of each other

(c) are equal

Q.23 Construct a quadrilateral PQRS , whose three sides are PQ = 4cm , QR = 5cm, RS = 6.5cm and the angles are Q= 105^0 , R= 80^0.

Q.24 Areena is twice as old as Shrina. Five years ago her age was three times Shrina's age. Find their present age.

Q.25 A gardener has 1000 plants. He wants to plant these in such a way that the number of rows and columns remain same. Find the minimum numbers of this. What values do you depict from the gardener?

Q.26 (a) Find the solution of equation $\frac{x+2a}{2} = a$

(b) If the sum of three consecutive numbers is 27, find the second number.

Q.27 Find the cube root of 64 and 512 by prime factorization method.

Q.28 (a) Is 392 a perfect cube? If not, find the smallest natural number by which 392 must be multiplied so that the product is a perfect cube.

(b) Is 1188 a perfect cube? If not, find the smallest natural number by which 1188 must be divided so that the quotient is a perfect cube.

Q.29 How many number lies between squares of the following numbers?

(a) 9 and 10

(b) 39 and 40

Section D

Q.29 Keyur bought a second hand television for ₹ 2,500, then spent ₹ 500 on its repairs and sold it for ₹ 3,300. Find his loss or gain per cent.

Q.30 Draw a histogram for the following data collected in a class of 30 students.

Height in (cm)	140-145	145-150	150-155	155-160	160-165
Number of students	6	10	8	4	2

Q.31 Solve for : $\dfrac{2}{2x-32} = \dfrac{4}{18-2x}$ and verify your answer.

Q.32 Is 68600 a perfect cube? If not, find the smallest number by which 68600 must be multiplied to get a perfect cube.

Q.33 Simplify and solve the linear equations.
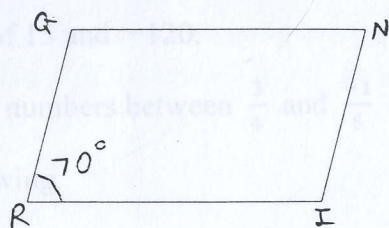
(a) $3(t - 3) = 5(2t + 1)$

(b) $4(z + 1) + (z + 2) = 6(z - 3) - 1$

Q.34 (a) A table marked at ₹ 15,000 is available for ₹ 14,400. Find the discount given and the discount per cent.

(b) A colour T.V. is available for ₹ 26880 inclusive of VAT. If the original cost of the T.V. is ₹ 24,000. Find the rate of VAT. What is the full form of VAT.

OR

Q.35 (a) In the parallelogram RING if m $\angle$ R = 70^0 , find all the other angles.

(b) Can you draw a parallelogram BATS , where BA = 5 cm , AT = 6cm and AS = 6.5 cm? Why?

V & C Patel English School
Half Yearly Exam

Std.: VI

Subject: Social Science

Max.Marks:80

Date: 15/09/2017

Time: 3hrs.

Instructions :

a. The question paper has 29 questions in all. All questions are compulsory.
b. Questions number 1 is Multiple Choice questions (MCQ) of half (1/2) marks each. Every question is provided with 4 alternatives
c. Questions from serial number 2 to 4 are One (1) marks questions each.
d. Question from Serial Number 5 to 16 are Two (2) marks questions each.
e. Question from Serial Number 17 to 23 are Three (3) marks questions each.
f. Question from Serial Number 24 to 26 are Four (4) marks questions each.
g. Question number 27 is Map pointing of 5 marks from History only. After completion, attached the map inside your answer book.
h. Question from Serial Number 28 and 29 are Six (6) marks questions each.

1.   **Tick the correct answers.**   (1/2 X 6 = 3)

a. The site of Burzahom is situated in

i)Kashmir ii) Bihar iii) Rajasthan iv) Madhya pradesh

b. Bhimbhetka is located in the present day

i) Uttar Pradesh ii).Andhra Pradesh iii).Madhya Pradesh iv).kerala

c. The great bath has been discovered in

i) Lothal ii) Harappa iii) Mohenjodaro iv).Kalibangan

d. The Ashvamedha was the sacrifice of

i) Horse ii) cow iii) bull iv).Goat

e. People who gathered their food are called

i) Hunter ii) Skilled gatherers iii).Farmers iv).Merchants

f. Stone tools of the Mesolithic period called

i) Palaeolithic ii) Neolithic iii) Microliths iv).Factory-sites

2. Name two sites that had fire alters.
3. Name the first domesticated animal .
4. What is the alloy of tin and copper called?

5. List two ways in which the lives of the farmers and herders is different from that of hunter gatherers.
6. What was the use of plough?
7. What are tribes?
8. What is domestication?
9. What are mortars and pestles used for?
10. What are raw materials ?
11. What do you know about habitation cum factory site?
12. What are the three components of map?
13. What is circle of illumination?
14. Which place is used as a standard for time all over the World ?
15. Name two essential features of a democratic government.

16. **Write true or false.**

    i). Pluto was declared a dwarf planet in August 2006.

    ii). The Earth rotates from East to West

    iii). Season changes due to the change in the position of the Earth around the Sun.

    iv) .Political map shows the natural features of the Earth.

17. What could have been the possible reasons behind the end of the harappan civilization? (3 x 7 = 21

18. Write a short note on - The cites of Dholavira and Lothal
    Or
    The beginning of agriculture

19. Do you think that it is important for all persons be treated equally? Why?

20. Define the term prejudice with example.

21. Explain unity and diversity.

22. **Study the given sketch and answer the questions given below.**