Brilliant Public School

Seepat Road Bahatarai, Bilaspur (C.G.)
Final Term Assessment, 2018-19
Class - VI
Subject – Maths

Time : 2:30 Hours. **M.M.- 80**
Date: 08.03.2019 **Friday**

General Instructions:

i) All questions are **compulsory**
ii) The question paper is divided into four **sections-A, B, C and D**. **Section-A** comprises of 6 questions of **1mark** each, **section-B** comprises of **6** questions of **2** marks each, **Section-C** comprises of **10** questions of **3 marks** each, **Section-D** comprises of **8** questions of **4** marks each.
iii) There is no overall choice in this question paper
iv) Use of calculator is not permitted.

SECTION- A (1X6 = 6 MARKS)

1. Find the sum of (137) and (-354)
2. Explain perimeter? write formula for the perimeter of a regular hexagon?
3. What part of a revolution have you turned through if you stand facing east and turn clockwise to face north?
4. Express 2mm as cm using decimals.
5. Explain the term pictograph?
6. Find ratio of 90cm to 1.5m

SECTION- B (2X6 = 12 MARKS)

7. Find the value of (30)+(-23)+(-63)+(+55)
8. Find the distance travelled by Shaina if she takes three rounds of a square park of side 70m.
9. Where will the hand of a clock stop if it starts at 12 and makes1/2 of a revolution, clockwise?
10. Write as fractions in lowest terms for 0.04?
11. What do you understand by term Data and tally mark?
12. Solve and find missing number of ratio $\frac{14}{12} = \frac{\square}{6} = \frac{6}{\square}$

SECTION –C (3X10 = 30 MARKS)

13. Draw number line and show that which number will we reach if we move 4 numbers to right of -2 then 3 numbers to the left of it?
14. a. Find equivalent fraction of $\frac{3}{5}$ having numerator equals to 27?

    b. Compare $\frac{4}{5}$ and $\frac{5}{6}$
15. The area of a rectangular garden 50m long is 300sq.m. Find the width of the garden?

16. Five square flower beds each of sides 1m are dug on a piece of land 5m long and 4m wide. What is the area of the remaining part of the land?

17. Find the sum:

a) 0.006 + 3.5 + 60.08 b) 1.8 + 3.479 + 52.65 c) 2.070 + 3.6 + 1.520

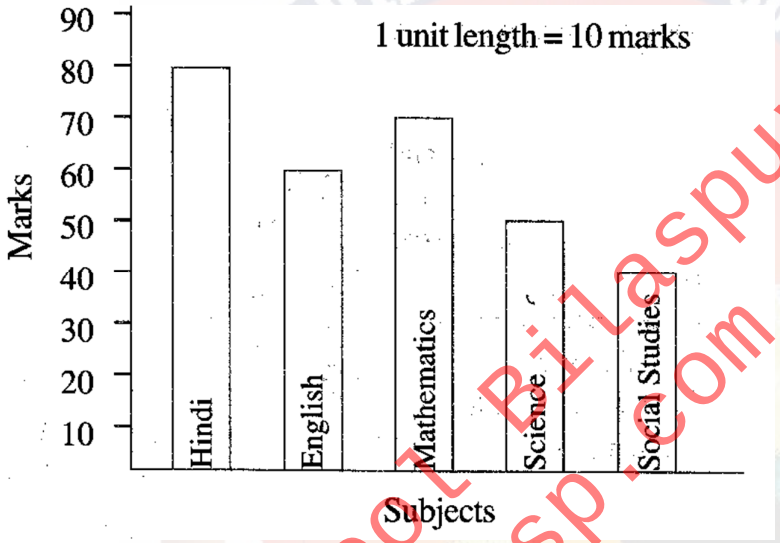
18. Observe this bar graph which show the marks obtained by Aziz in half-yearly examination in different subjects.

Answer the given questions.

(a) What information does the bar graph give?

(b) Name the subject in which Aziz scored maximum marks.

(c) Name the subject in which he has scored minimum marks.



19. Solve:

a) $\frac{4}{5} + \frac{2}{3}$ b) $2\frac{1}{5} + 3\frac{2}{5}$ c) $\frac{4}{3} - \frac{1}{2}$

20. Anish made 42 runs in 6 overs. Anup made 63 runs in 7overs. Who made more runs per over?

21. Draw an angle of measure 147^0 and construct its bisector.

22. What is the perimeter of the square having area same as of rectangle of measurement 16m x 9m

SECTION – D (4X8 =32 MARKS)

23. Find the sum of

a) −38 − (−8) − (−10) + (−5)

b) −20 + 17 − 23 + 28

OR

The sum of two integers is 41. If one of them is −21, find the other integer.

24. Jaidev takes $2\frac{1}{5}$ minutes to walk across the school ground. Rahul takes $\frac{7}{4}$ minutes to do the same. Who takes less time and by what fraction?

25. A floor is 5m long and 4m wide. A square carpet of sides 3m is laid on the floor. Find the area of the floor that is not carpeted.

OR

How many tiles whose length and breadth are 10cm and 6cm respectively will be needed to fit in a rectangular region whose length and breadth are 80cm and 30cm respectively?

26. Tina had 20m 5cm long cloth. She cuts 4m 50cm length of cloth from this for making a curtain. How much cloth is left with her?

OR

Aakash bought vegetables weighing 10kg. Out of this, 3kg500g is onions, 2kg75g is tomatoes and the rest is potatoes. What is the weight of the potatoes?

27. The number of Mathematics books sold by a shopkeeper on six consecutive days is shown below:

Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Number of books sold	65	40	30	50	20	70

Draw a bar graph to represent the above information choosing the scale of your choice.

28. Name the types of the following triangles:

(i) Triangles with lengths of sides 7cm, 8cm, and 9cm.

(ii) $\Delta PQR \; such \; that \; PQ = QR = PR = 5cm.$

(iii) $\Delta DEF \; with \; m\angle D = 90°$

(iv) $\Delta LMN \; with \; m\angle L = 30°$, $m\angle M = 70°$ and $m\angle N = 80°$

29. A truck requires 108 litres of diesel for covering a distance of 594km. How much diesel will be required by the truck to cover a distance of 1650km?

OR

Present age of father is 42 years and that of his son is 14 years. Find the ratio of

(i) Present age of father to the present age of the son.

(ii) Age of father to the age of son, when son was 12 years old.

(iii) Age of father after 10 years to the age of son after 10 years.

(iv) Age of father to the age of son when father was 30 years old.

30. Draw the perpendicular bisector of XY whose length is 10.3cm.

a) Take any point P on the bisector drawn. Examine whether PX = PY.

b) If M is the midpoint of XY, what can you say about the length's MX and XY?

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