

Question Paper SA-II

2014-2015

CBSE Class VIII Mathematics

General Instruction:

- The questions paper has been divided into 4 sections.
- Sec A contains 5 questions of 1 mark each
- Sec B contains 4 questions of 2 marks each
- Sec C contains 7 questions of 3 marks each
- Sec D contains 4 questions of 4 marks each
- Sec E OPEN TEXT BASED ASSESSMENT (OTBA) contains 10 marks.
- An additional 15 minutes time has been allotted to read this question paper only.
- Use of calculator is not permitted.

SECTION – A

1. What is the area of a parallelogram?
2. Evaluate $3^\circ + 4^\circ$
3. Find the product of $7pq$ and $-6p$
4. What is the volume of a cube of side 1 cm?
5. Find the error in $2(x-2) = 2x - 2$
6. Factorize: $2x + 4$

SECTION – B

7. Find the product: $\left(\frac{2}{3}xy\right) \times \left(-\frac{9}{10}x^2y^2\right)$
8. Find the value of $3^{10} \div 3^7$
9. A mixture of paint is prepared by mixing 1 part of red pigments with 8 parts of the base.

Now in the following table. Fill in the blanks

Part of red pigments	Part of base
1	8
4
12

10. Factorize: $x^2 + xy + 8x + 8y$.

11. Express 0.000035 in standard form.

SECTION –C

12. Check the divisibility of 152875 by 9

13. Plot the following points on the graph sheet. Verify if they lie on a line. A(4,0), B(4,2), C(4,6), D (4,2,5)

14. Simplify: $(x^2 - 5)(x + 5) + 25$

15. Draw the front view, side view, and top view of a military tent.

16. A train is moving at a uniform speed of 75km/hr. How far will it travel in 20 min?

17. Factorize:- $a^4 - b^4$

SECTION – D

18. There are 100 students in a hostel. Food provision for them is for 20 days. How long will these provisions last, if 25 more students join the group?

19. Draw the graph for the following table of values, with suitable scales on the axes.

Time (in hrs)	Distance (in km)
6 am	40

7 am	80
8 am	120
9 am	160

20. If 21 Y 5 is a multiple of 9 where Y is a digit, what is the value of Y?

21. Draw a map of your classroom using proper scale and symbols for different objects.

SECTION E

OPEN TEXT BASED ASSESSMENT (OTBA)

Theme 1: Child Labour

1. What is the prominent cause for child labour?
2. What is the percentage of child labour in domestic workers?
3. Prepare a Bar Graph by taking states on x-axis and % of children on y-axis (table 1) 3

Theme 2: Children's Day 5 Marks

1. a) At what time Neha got up in the morning?
b) How far is Neha's School?
2. a) At what time Neha's school van came today?
b) Rehana choose to take which drink?
c) Who won the cricket match