Sainik School Question Fully Solved

2009-10

Paper—I

Mathematics and Language

Time Allowed : 2 hours

Max. Marks : 200

Directions— 1. This question paper contains two parts , answer all the questions in both parts.

2. Part 'A' mathematical knowledge test has 30 questions Q. No. 1 to 10 carry 2 marks each, 11 to 20 carry 3 marks each and 21 to 30 carry 5 marks each.

3. Part 'B' Language Ability Test contains 9 questions. Q. No. 1 and 2 carry 15 marks each and remaining questions carry 10 marks each.

Q. 1. Write the smallest and greatest 5-digits number using 8, 7,0, 5 and 1.

Q. 2. Arrange the following numbers in descending order—

36905, 39217, 36915, 37503, 38207.

Q. 3. Write the following Hindu Arabic numerals in Roman numerals—

(A) 19

(B) 85

Q. 4. Find the quotient of the following—

(A) 6.25 /0.25

(B) 169÷1.3

Q. 5. Find first three common multiples of 3, 4 and 5.

Q. 6. Find the value of 59/7÷59/49

Q. 7. Which of the following can be the

angles of a triangle?

(A) 45°, 75°, 60°

(B) 75°,45°,65°

Q. 8. A bus starts from Agra to Delhi at 8 : 30 a.m. and reaches Delhi at 11 20 a.m.

How much time was taken by bus to reach Delhi?

Q. 9. The cost of 17 umbrellas is Rs. 1020. Find out the cost of 7 such umbrellas.

Q. 10. A arm of a square is of 30 m. The area of that square is equal to a rectangle field, whose one arm is of 20 m. Find the another arm of that rectangular field?

Section.-.II

(Each question carries 3 marks)

Q. 11. Simplify

Q. 12. What will be the volume of a rectangular box whose internal measures are 176 cm, 125 cm and 8 cm?

Q. 13. A shopkeeper buys a bag of sugar of Rs. 1000 and earns a profit of 20%. Find the total profit of shopkeeper on a bag of sugar.

Q. 14. Classify each of following as acute,obtuse or right angle—

(A) 127°

(B) 87°

(C) 102°

(D) 90°

(E) 27°

(F) 93°

Q. 15. A field whose length is 60 m and 25 cm and breadth is 30 m and 25 cm is to be surrounded by a wire. Find the length of wire required.

Q. 16. The circumference of a circle is 44 cm. Find the diameter of that circle.

Q. 17. In the adjoining figure PQR is a triangle and PQ = PR and LQ = 90°. Find the values of other two angles of the triangle ?

Q. 18. Write true or false

(A) 7/9>11/12

(B) 17÷17/5+5/2=1/2+7/2÷7/2

(C) 22:7=88:28

Q. 19. Mahendra was born in the same year on 26 April. Today he is of 62 days. Find the date of today

Q. 20. Add 7 hours 48 minutes 12 seconds and 2 hours 52 minutes 48 seconds.

Section—III

(Each question carries 5 marks)

Q. 21. Han gets Rs. 55 out of 240, while Mohan gets Rs. 70 out of Rs. 360. Who gets better?

Q. 22. (i) Convert the following into decimal numbers—

(A) 12%

(B) 32%

(C) 4/5

(D) 5%

(E) 5/8

(ii) Convert the following decimals into a simple fraction—

(A) 5.05

(B) 0.08

(C) 6.6

(D) 0.200

Q. 23. Write the following fractions in ascending order—

1/3,3/5,9/11,5/7,11/13,7/9

Q. 24. Find the least five digit number which is exactly divisible by 75.,

Q. 25. Manu spends 1/5 of his income as house expenditure and he 2/7 spends of his income on transport and he saves 2034. Find income of Manu.

Q. 26. Draw an angle of 90° with the help of a pencil and a compass.

Q. 27. Length of a park is 25 m and breadth is 20 m. The park is surrounded by a wire. If the wire is fold into a circle, find the diameter of that circle.

Q. 28. Three men A, B and C working earn Rs. 2740, between the amount of A and B the ratio is 4 : 9 while C gets Rs. 790. Find the difference in the amount of A and B.

Q. 29. Fill in the blanks—

(A) (8.9 + 1.1) ÷ = 1.

(B) C.P. is Rs. 420, profit Rs. 80, then S. P. = Rs

(C) The sum of all four angles of a rhombus =

(D) Area of circle = pie x ?

(E) In a parallelogram the opposite angles are ………

Q. 30. Match the following-

List I

(A) Complementary of 75 °

(B) An obtuse angle is

(C)If the sum of two angles is 90° then they called

(D) Supplementary of 95 °

(E) No. of arms in a pentagon is

List II

(i)85°

(ii) Five

(iii) 15°

(iv) Complementary

(v) Grater than 90°

Part—'B'

Language

Q. 1. Write an essay in 15 sentences on any one of the following topics

(A) An Indian Farmer

(B) The Postman

Q. 2. Read the following passage carefully and answer the questions—

An American woman found third class compartment very uncomfortable. She asked her friends why Gandhiji did not travel first class. One of the American men said, they would go and ask Gandhiji about it. One of the men asked Gandhi ji that he was the leader of the Indian people. Why did he travel third class ? Gandhiji said that the answer to that question was very simple. He travelled in third class because, because there was no fourth class.

(A) Which class did Gandhiji always travel?

(B) What question did one of the Americans ask Gandhiji?

(C) What answer did Gandhiji give to the Americans?

(D) Who was the leader of the Indian people?

(E) Which class compartment was found an American woman?

Q. 3. Make a sentences of your own for each bold word given in the following passage. (Do not copy any sentences from the given paragraph)— The signal is down. The people are getting

into the **compartment**. They are putting their **luggage** under the berth. The train starts moving **slowly**. People with the large **families** could not get into the train. The vendors are **selling** tea, bananas, oranges and playthings.

Q. 4. Form meaningful sentences be rearranging the words in proper order—

(A) The parade/they want/a clean flag/for.

(B) go out/people/for/social work.

(C) was/painting/Suresh/a flag.

(D) The old/man was/the angel/god/of.

Q. 5. Give one word for the following—

(A) One who believes in God.

(B) A women whose husband is dead.

(C) A story written by self about own.

(D) A person who travels in space.

(E) A state where religions are equal.

Q. 6. Use of the word in separate sentences of your own to show the difference in the meaning of the words of the pair given ahead—

(A) Cast, Caste

(B) Check, Cheque

(C) Principal, Principle

(D) Dye, Die

(E) Meat, Meet.

Q. 7. Choose the correct article (a, an or the) and fill in the blanks—

(A) He reads in ………..University.

(B) Mathura Prasad is……… Indian

(C) Gold is ………..precious metal.

(D) The Himalay is in……….. North of India.

(E) ……….Ramayan is a pious book of Hindu.

Q. 8. Change each of the following as directed—

(A) Madhu eats food. (Change into Negative)

(B) He is going to Agra. (Change into Interrogative)

(C) This is a strong lain. (Change into Exclamatory)

(D) Mohan writes a letter. (Change into Interrogative)

(E) The Yamuna flows in Agra. (Change into Interrogative)

Q. 9. Fill in the blanks with the words that are opposite in meaning to those given in the

brackets—

(A) He is ……..to go to Delhi. (Agree)

(B) His house is in………. the of Tajmahal.(East)

(C) He will go to his village in ………Vacation (summer)

(D) You should walk at your ………….always.(right)

(E) He is too………. to enter in this door.(thin)

Answers:

1. Smallest = 10578 Greatest = 87510

2. 39217, 38207, 37503, 36915, 36905

3. A:XIX,B:LXXXV

4.: A : 25,B: 130

5. 60, 120, 180

6. 7

7. A :yes as they add to 180°,B:no as they add to 185°

8 2 hours 50 minutes.

9: Rs 420

10. 45 m

11.13 and 51/208

12. 1760cubiccm

13. Rs.200

14. (A) Obtuse angle

(B) Acute angle

(C) Obtuse angle

(D) Right angle

(E) Acute angle

(F) Obtuse angle

15. 181 m

16. 14 m

17. 45° each

18. (A)False   ,(B) False   ,(C) True

19. 26th June

20. 10 hours 41 minutes 0 second

21. Han

22.

(i)

(A) = 0.12

(B) = 0.32

(C)=0.8

(D)=0.05

(E) =0.625

(ii)

(A)=505/100

(B)=2/25

(C) = 33/5

(D)=1/5

23.1/3,3/5,5/7,7/9,9/11,11/13

24. 10050

25.Rs 3955

27. 28.64 cm

28. Rs 750

29. (A) 10

(B) Rs. 500

(C) 360°

(D) (Radius) square

(E) Equal

Section B

Q 7.

Ans. (A) a

(B) an

(C) a

(D) the

(E) the