



All India Sainik School Entrance Exam.,2003 (CLASS - VI)
PAPER-1: MATHEMATICES, GK, AND LANGUAGE

Section-I

1. Find the quotient of the following-

(i) $934 \div 3.1$

(ii) $144 \div 0.12$

2. A school starts at 8.20 am and closes at 1.50 pm. Find the duration for which the school remains open?

3. The cost of 13 school bags is Rs. 1950, find the cost of 4 such bags.

4. Which of the following can be the angles of a triangle?

(i) $90^\circ, 55^\circ, 35^\circ$ (ii) $105^\circ, 55^\circ, 40^\circ$

5. The length of a rectangular field is 45 m. And breadth is 35 m. Find the area of the field.

6. Write the smallest and greatest 5-digit number using 9, 0, 4, 2 and 7.

7. Arrange the numbers in descending order- 42059, 40259, 40529, 40592, 42952

8. Write the following Hindu-Arabic numerals in Roman numerals-

(i) 44 (ii) 95

9. Find first four common multiples of 5, 2 and 3.

10. Find the value of $-6\frac{2}{5} + 8\frac{1}{11}$

Section-II

11. Classify each of the following as acute, obtuse or right angle-

(i) 138° (ii) 76°

(iii) 90° (iv) 32°

(v) 92°

(vi) 89°

12. A shopkeeper earns a profit of Rs. 75 on a sewing machine. If the cost price of the machine Rs.2018.50, what is its SP?

13. Write True or False

(i) $\frac{3}{4} < \frac{5}{6}$

(ii) $12 \times (14/7) = (12 \times 14)/(12 \times 7)$

(iii) $66 : 6 = 55 :: 11$

14. A Bank employed a daily-wager for 89 days. He joined the Bank on Feb. 10, 2004. On which date his term would be completed?

15. Add 2 hours 40 minutes 40 seconds and 4 hours 30 minutes 50 seconds.

16 Simplify-

$5\frac{7}{8} \div 3\frac{1}{4} \times 7\frac{5}{16} + \frac{7}{8}$ of 16

17. Find the volume of a brick whose length is 22.5 cm, breadth is 10.5 cm and height is 9 cm.

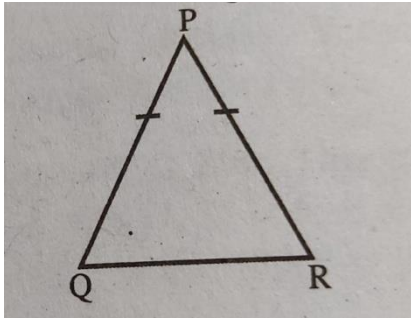
18. A carpet 5 m. 20 cm. long and 3 m. 20 cm. broad, is to be surrounded by a lace. Find the length of lace required.

19. Find the circumference of the circles whose diameters are 8 cm and 14 cm.

20. In the adjoining figure, PQR is a triangle and $PQ = PR$ and $\angle Q = 50^\circ$. Find the values of other two angles of the triangle.



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Section-III

Draw a circle whose length of circumference is 44 cm with the help of compass and write the length of the diameter by measuring.

22. The depth of a swimming pool at six different places is 344 cm., 275 cm., 192 cm., 147 cm., 233 cm. and 300 cm.

(1) Find the average depth of the swimming pool.

(ii) At how many places the depth is more than the average depth?

23. A, B and C have a total of 1771. The ratio of the money between A and B is 5 : 7. If C has 571, calculate A's and B's share.

24. Fill in the blanks

(i) $4.3 \div \dots = 0.043$

(ii) SP=820, Loss = 40, CP=

(ii) Sum of the three angles of a triangle is

(iv) Circumference = x diameter

(v) Perimeter of square =

25. Match the following-

(i) The complementary (a) 90°
angle of 45°

(ii) Measurement of (b) Supplementary
right angle

(iii) The quadrilateral has (c) 45°
the sides

(iv) If the sum of the two (d) 110°
angles is 180° , then
they are

(v) Supplementary (e) Four
angle of 70°

26 Anil got 60 marks out of 125, Ankit got 140 marks out of 280, whose score is better?

27,, (i) Convert the following into decimal-

(a) 9% (b) 25%

(c) $\frac{3}{4}$ (d) 1%

(e) $\frac{4}{5}$

(ii) Convert the following decimals into a fraction_

(a) 2.02 (b) 0.01

(c) 5.9 (d) 0.100

28., Arrange the following fractions in descending order-

$\frac{5}{8}, \frac{5}{6}, \frac{2}{4}, \frac{1}{5}, \frac{1}{3}, \frac{3}{2}$

29. Which is the least 6-digit number exactly divisible by 83.

30. A boy spends $\frac{1}{3}$ of his money in a shop, then he goes to another shop and spends $\frac{1}{2}$ of that was left. He is left with



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Rs.15. Find out how much total money did he has?

PART-B: LANGUAGE ABILITY

1. Read the following passage carefully and answer the questions-

Narmada is one of the great rivers of India. She is the longest river in Penninsular India. She is believed to be older than Himalayan rivers. Scholars say that the rocks she flows over are so old that they were there when dinosaurs roamed the earth. Today this river is known all over the world for the large number of massive dams that are to be built across her. Narmada springs from the top of Amar Kantik the highest peak of the Maikal mountain in eastern Madhya Pradesh, to begin her course of 1,245 kilometres between the Vindhya and Satpura ranges. She flows west-south-west towards the Arabian sea, until she pours out her water into the Gulf of Khambat in Gujarat

- (a) Which is the longest river in Penninsular India?
- (b) Where does river Narmada spring from?
- (c) What is the total course of river Narmada?
- (d) Into which Gulf, river Narmada finally pours her water in Gujarat state.
- (e) Which of the following statements is true?
 - (i) Narmada springs from Amarnath peak. (True/False)

(ii) Narmada pours her waters into the Bay of Bengal. (True/False)

(iii) Narmada is believed to be even older than Himalayan rivers. (True/False)

2. Write an essay in 15 sentences on any one of the following topics-

(a) My School

(b) A Visit to Market.

3. Form meaningful sentences by rearranging the words in proper order.

(a) The /belongs / to / book / Ramesh.

(b) is/good d/a/ player hori/cricket

(c) will/ today / come 7 they / us / see / to

(d) Fond of / she / music / is

4. Make a sentence of your own for each Bold word given in the following passage. (Do not copy any sentence from the given paragraph)

At morning time I have the **desire** to read the Newspaper. Newspaper reading gives us the detailed **knowledge** of world event It also gives us a chance to read stories, poems and jokes and all this **entertain** us. I find the Newspaper reading as most interesting **activity** of the day. We all should develop **habit** of Newspaper reading.

5. Use each word in separate sentences of your own to show the difference in the meaning of the words of the pairs given below

(a) Sad, Said (b) Wet, Weight



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(c) Suit, Shoot (d) Rich, Reach

(Change into Exclamatory)

(e) Here, Hear

(c) He is going to school.

6. fill in the blanks

(Change into Negative)

(a)..... Bible is a pious book.

(d) There are 500 cadets in my school.

(b) Raja is honest boy.

(Change into Interrogative)

(c) Iron is useful metal.

(e) We have won the match.

(d) The train is late by hour.

(Change into Exclamatory)

(e) The sun rises in

PAPER- II: INTELLIGENCE TEST

7. Give one word for the following-

Directions : In each of the following questions find the odd one.

(a) One who treats patients?

1. (a) Jesus (b) Buddha

(b) One who dances?

(c) Gandhi (d) Mohammad

(c) One who takes photographs?

2. (a) Raincoat (b) Umbrella

(d) One who plays Guitar?

(c) Gun boats (d) Sari

(e) One who makes furniture?

3. (a) Fox (b) Wolf

8. Fill in the blanks with the words that are opposite in meaning to those given in the brackets

(c) Deer (d) Panther

(a) These are mangoes. (raw)

4. (a) Barber (b) Carpenter

(b) That is verybuilding (small)

(c) Blacksmith (d) Tailor

(c) These are..... paintings.(new)

5. (a) Gangtok (b) Singhbhum

(d) She is a..... girl. (ugly)

(c) Hyderabad (d) Chennai

(e) These are..... grapes.(sour)

6. (a) Carrot (b) Potato

9. Change each of the following as directed

(c) Spinach (d) Turnip

(a) Sachin is a good player.

7. (a) Coat (b) Socks

(Change into Interrogative)

(c) Shirts (d) Jacket

(b) This is a lovely flower.

8. (a) January (b) March



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(c) July (d) September

(a) 12 (b) 13

9. (a) Bulb (b) Fan

(c) 14 (d) 15

(c) Candle (d) Sun

18. 2, 3, 5, 7, 11,

10. (a) Lungs (b) Liver

(a) 12 (b) 13

(c) Ear (d) Eyes

(c) 14 (d) 15

Directions : In each of the following questions complete the series.

19. 3, 9, 27, 81,

11. U, O, 1, E,

(a) 243 (b) 343

(a) B (b) C

(c) 210 (d) 324

(c) A (d) z

20. A,B,D, G,.....

12. A, C, F, H,

(a) M (b) L

(a) I (b) J

(c) K (d) H

(c) K (d) L

Directions : In a certain language CHARCOAL is coded as 45164913 and MORALE is coded as 296137, how are the following words coded in that language?

13. 3, 6, 18, 72,

21. ARCHER

(a) 144 (b) 288

(a) 164576 (b) 185476

(c) 350 (d) 360

(c) 197457 (d) 184576

14. 1, 2, 6, 24,

(a) 72 (b) 120

22. MECHRALE

(c) 48 (d) 96

(a) 26756137 (b) 27456137

15. 5, 16, 49, 104, ...

(c) 47956137 (d) 29456137

(a) 133 (b) 144

23. ROCHEL

(c) 180 (d) 181

(a) 695478 (b) 691387

16. 1, 4, 9, 16, 25,

(c) 994537 (d) . 694573

(a) 35 (b) 36

24. LARCH

(c) 49 (d) 64

(a) 36145 (b) 31645

17. 20,19,17,.....

(c) 31546 (d) 31456



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25. MARCH

(a) 24615 (b) 25416

(c) 21645 (d) 23456

26. COLLAR

(a) 397758 (b) 497782

(c) 483359 (d) 493376

27. REAL

(a) 8519 (b) 6713

(c) 6513 (d) 6719

28. COACH

(a) 38137 (b) 49145

(c) 49451 (d) 85145

29. ALLOCHRE

(a) 17693935 (b) 13394567

(b) 15933653 (d) 13368957

30. HEARL

(a) 57361 (b) 57163

(c) 75613 (d) 57931

Directions: In each of the following questions, four words have been given, out of which three are alike in some manner and the fourth one is different. Choose out the odd one.

31 (a) Jasmine (b) Coriander

(c) Lotus (d) Rose

32. (a) Diving (b) Driving

(c) Swimming (d) Sailing

33. (a) Cochin (b) Vishakhapatnam

(c) Mysore (d) Mumbai

34. (a) Charan Singh

(b) S. Radhakrishnan

(d) Chandrashekhar

(d) Morarji Desai

35. (a) Potato (b) Ginger

(c) Carrot (d) Cabbage

36. (a) Birbal (b) Faiz Ahmed

(c) Abul Fazal (d) Tansen

37. (a) Lakshadweep (b) Sikkim

(c) Maharashtra (d) Manipur

38. (a) Father (b) Sister

(c) Mother (d) Friend

39. (a) Thin (b) Tall

(c) Sharp (d) Small

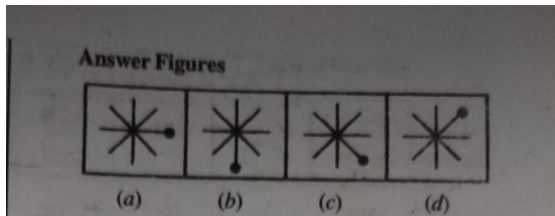
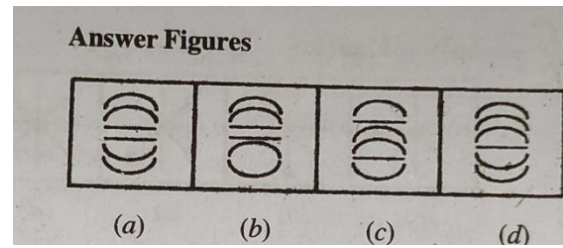
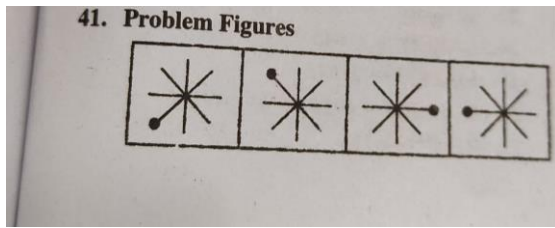
40. (a) Man (b) Lion

(c) Elephant (d) Deer

Directions: Each of the following questions consists of unmarked figures followed by four figures marked (a), (b), (c) and (d). Select a figure from the marked figures which will continue the series established by the unmarked figures.



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Direction: In each of the following sets of figures, select the one that is different from the rest.

