

CENTRE NO.

SEAT NO.

QUESTION PAPER CODE NO.

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HIGH SCHOOL SCHOLARSHIP EXAMINATION

FEBRUARY 2005

INTELLIGENCE TEST (English)

(Total Marks — 100)

Please read the following instructions carefully before solving the question paper.

- N.B.** — (1) All questions are *compulsory*.
 (2) Answers are to be written on the separate answer-sheet only, provided for the purpose. Each question is followed by four alternatives, out of which only one is correct. You have to select the correct answer and write the number of that alternative, in English, in the box provided for it. If you wish to change your alternative, cancel it by drawing three lines across the box and write your changed alternative as shown below:—

Q. 5

3

 2

Overwriting other than this is not allowed.

- (3) Question paper contains 50 questions of 2 marks each.
 (4) Do not spend much time on any one question. If you find any one question difficult, go to the next question and come back to the difficult one later, if time permits.
 (5) Blank space for rough work is provided at the bottom of each page of the question paper. Use it for your rough work.
 (6) After reading carefully the practice questions, write the answers in a form as 1, 2, 3 or 4 by selecting the correct answer.

Alphabets:— ABCDE FGHIJ KLMNO PQRST UVWXY

PRACTICE PROBLEMS

- (1) What will be the third letter to the right of 'K' in the given alphabets ?
 (1) P (2) M (3) N (4) O

Locate 'K' in the alphabet. The first letter to the right of 'K' is 'L'. Third letter is 'N', therefore you should write 3 (the correct answer number) in the square provided in the answer-sheet.

- (2) Three of the following form a group. Which one does not belong to the group?



(1)



(2)



(3)



(4)

Practice Problems Sample Answer

1	3	2	2
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In the above figures, figure numbers 1, 3 and 4 are of the same size. Therefore they form a group. Figure No. 2 is larger than the other figures. Hence your answer is 2. You should write 2 in the square against Question No. 2.

Now remember that you have to write the answers to the questions on the *separate* answersheet provided.

Alphabets:— A B C D E F G H I J K L M N O P Q R S T U V W X Y

Q. 1. to 7. → *Instructions:*— In each of the following questions, a group is formed of three expressions because of their similarity, one expression is odd one out. Find the correct alternative.

1. (1) jea (2) ytk (3) tof (4) oja

2. (1) klm (2) fgi (3) uvw (4) pqr

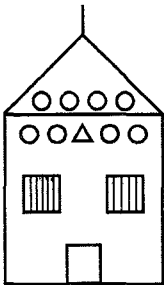
3. (1) 507 (2) 219 (3) 418 (4) 426

4. (1) 9810 (2) 1092 (3) 9819 (4) 1899

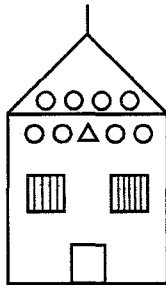
5. (1) 768 (2) 745 (3) 546 (4) 879

6. (1) 672 (2) 765 (3) 987 (4) 468

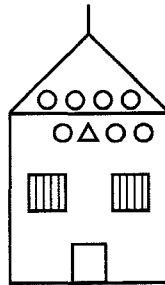
7.



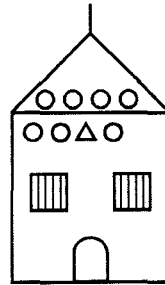
(1)



(2)



(3)



(4)

Alphabets:— A B C D E F G H I J K L M N O P Q R S T U V W X Y

Q. 8. to 10. → **Instructions:—** Study the following series of numbers and answer the questions from the given alternatives.

Numbers:— 7 12 20 23 25 29 32 34 39 41 45 48 52 59

8. In the above series what is the difference between the highest odd number divisible by 3 and lowest even number divisible by 5?
- (1) 20 (2) 25 (3) 28 (4) 24
9. How many prime numbers are there in the series?
- (1) 4 (2) 7 (3) 5 (4) 6
10. What is the addition of the highest number divisible by 9 and lowest number divisible by 5?
- (1) 72 (2) 68 (3) 65 (4) 55

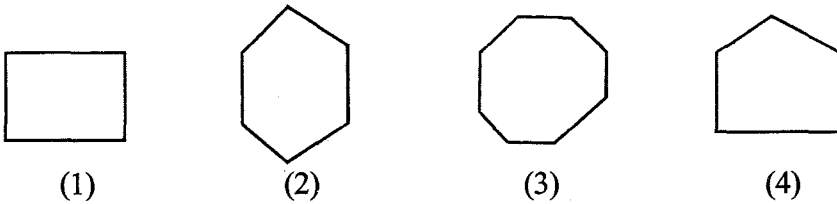
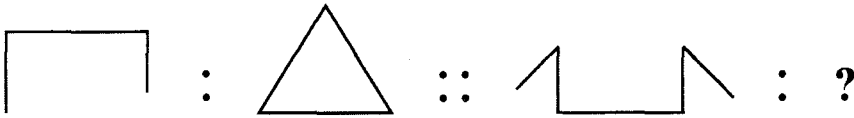
Q. 11. to 13. → **Instructions:—** A new series of alphabets are formed by interchanging the first alphabet and the centre alphabet from each group. Study that series and answer the questions.

11. How many alphabets are there between 'c' and 'g'?
- (1) 3 (2) 5 (3) 7 (4) 6
12. How many alphabets are there between 'r' and 'y'?
- (1) 6 (2) 10 (3) 8 (4) 9
13. Which meaningful word is formed with the alphabets at number 19, 23, 14?
- (1) sun (2) son (3) mom (4) ton

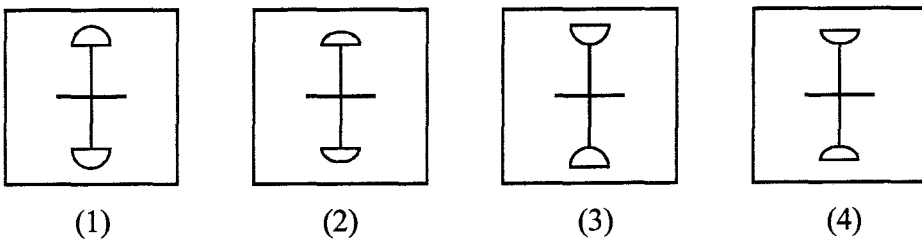
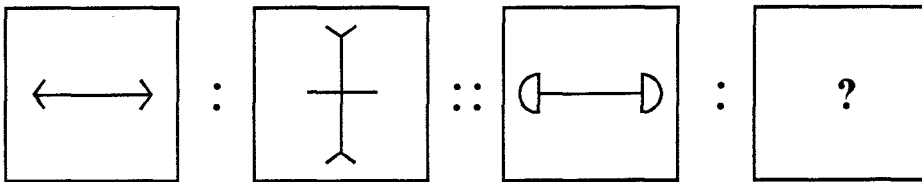
Alphabets:— A B C D E F G H I J K L M N O P Q R S T U V W X Y

Q. 14. to 16. → *Instructions:—* In each of the following questions, there is a definite relationship between the first and the second figure. The same kind of relationship exists between the third and the fourth figure. Find the correct alternative.

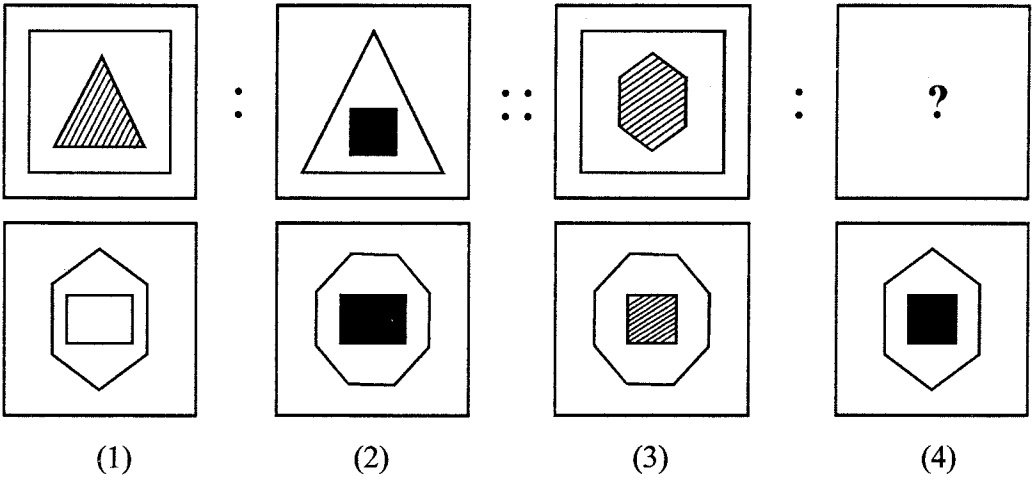
14.



15.



16.



Q. 17. to 20. → *Instructions:*— In the following figure letters ‘p’ to ‘x’ are arranged in a specific order. In some places numbers are used in place of letters. Study the arrangement and answer the following questions.

17. Which letter will come in place of ‘1’?

- (1) p (2) r (3) w (4) u

18. Which letter will come in place of number ‘2’?

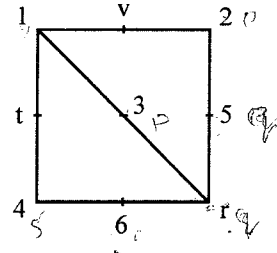
- (1) p (2) r (3) w (4) u

19. Which letter will come in place of ‘5’?

- (1) r (2) x (3) u (4) s

20. Which letter will come in place of ‘4’?

- (1) s (2) x (3) r (4) u



Alphabets:— A B C D E F G H I J K L M N O P Q R S T U V W X Y

Q. 21. to 24. → **Instructions:—** What will come in place of a question mark in the following series?

21. b, c, e, g, ?

- (1) i (2) k (3) j (4) m

22. ad, cf, eh, gj, ?

- (1) ik (2) il (3) jm (4) im

23. bca, ghf, lmk, qrp, ?

- (1) vwu (2) uvw (3) wvu (4) uwx

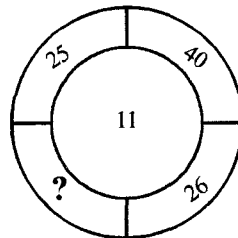
24. ay, xb, cw, vd, ?

- (1) eu (2) et (3) fu (4) uf

25. In the expression $36 ? 144 ? 4 ? 72$ which signs will come in place of the question mark?

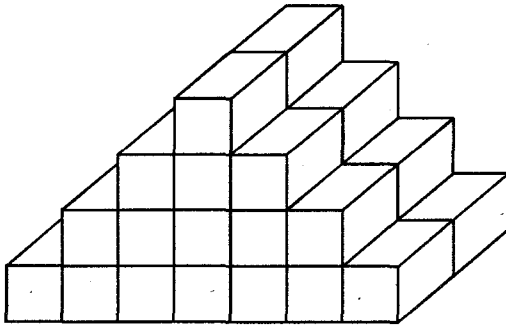
- (1) =, +, ÷ (2) =, ÷, + (3) ÷, +, = (4) +, ÷, =

26. What will come in place of the question mark in the adjacent figure?



- (1) 10 (2) 15
(3) 30 (4) 35

27. How many small cubes are there in the lowest portion of the wooden block in the given figure?



(1) 14 (2) 10

(3) 12 (4) 16

Q. 28. to 32.

→ **Instructions:—** In each of the following questions, there is a specific relationship between the first and the second expression. The same relationship exists between the third and the fourth expression. Find the correct alternative from those given below.

28. $4 : 63 :: 5 : ?$
 (1) 315 (2) 124 (3) 252 (4) 130
29. $42 : 60 :: 53 : ?$
 (1) 44 (2) 71
 (3) 80 (4) All alternatives correct
30. $3 : 12 :: 6 : ?$
 (1) 25 (2) 42 (3) 18 (4) 29
31. $dce : vwu :: gfh : ?$
 (1) tsr (2) srt (3) str (4) rst
32. $n : g :: ? : c$
 (1) g (2) i (3) k (4) f

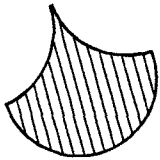
33. Suraj is elder to his sister by 730 days. If his sister is born on Saturday, on which day will be the birth of Suraj?

- (1) Monday (2) Saturday (3) Friday (4) Thursday

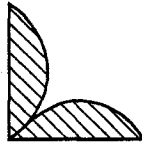
34. Find the correct alternative from those given below to complete the question figure.

Question figure

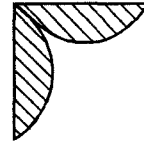
Answer figures



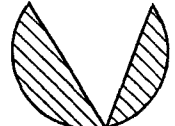
(1)



(2)



(3)



(4)

35. In a code language + is Δ , - is \square , \times is ∇ and \div is \odot . Then choose the correct alternative to have correct answer of the following expression in place of question mark.

$$(15 \Delta 14 \square 4) \odot 5 = ?$$

- (1) 4 (2) 5 (3) 6 (4) 10

36. In a code language script numbers are used in place of letters of the word. The order of letters is not same as that of numbers. Some words are shown below.

vsn fns knv

542 437 263

Which number is used for the letter 'k'?

- (1) 3 (2) 7 (3) 6 (4) 2

37. In a code language 'mdt' is written as 'les'. Then how will the word 'jnmnt' be written in the same language?

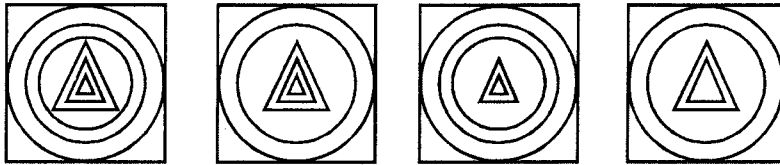
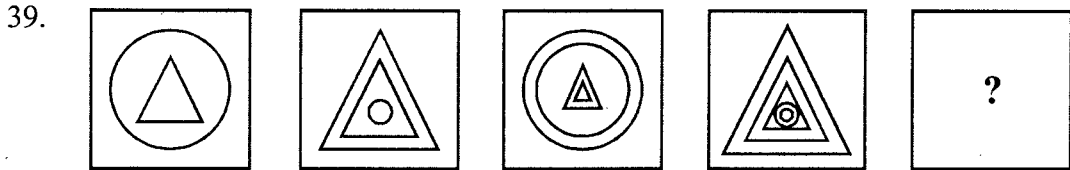
- (1) iolu (2) uloi (3) loiu (4) iluo

Alphabets:— A B C D E F G H I J K L M N O P Q R S T U V W X Y

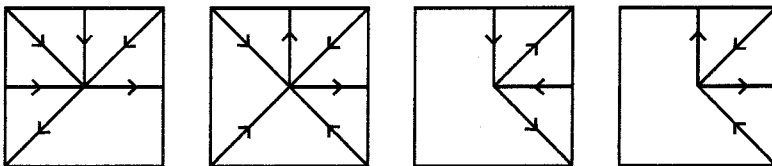
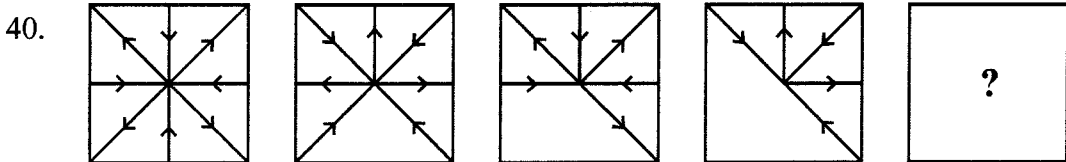
Q. 38. to 46. → *Instructions:*— In each of questions if the series of figures is followed, what will come in place of the question mark?

38. $> < =$, $< = >$, $= > <$, ?

- (1) $> < =$ (2) $> = <$ (3) $< = >$ (4) $< > =$



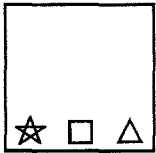
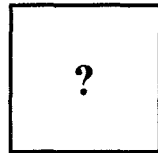
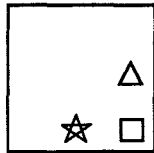
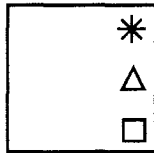
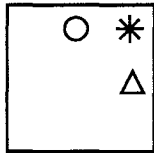
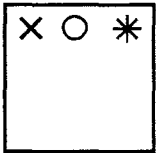
- (1) (2) (3) (4)



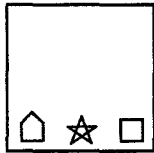
- (1) (2) (3) (4)

Alphabets:— A B C D E F G H I J K L M N O P Q R S T U V W X Y

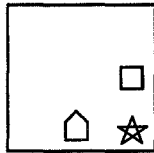
41.



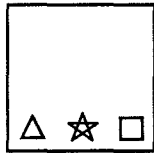
(1)



(2)

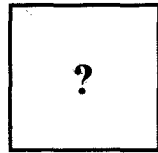
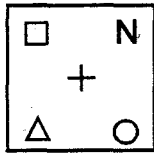
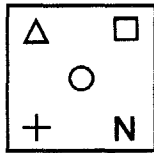
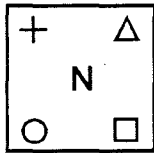
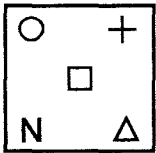


(3)

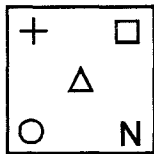


(4)

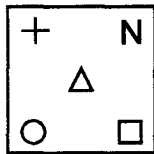
42.



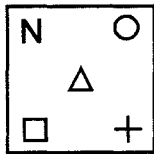
(1)



(2)



(3)



(4)

Alphabets:— A B C D E F G H I J K L M N O P Q R S T U V W X Y

43. 3, 8, 15, 24, ?
 (1) 33 (2) 34 (3) 35 (4) 29
44. 2, 12, 36, 80, ?
 (1) 240 (2) 81 (3) 150 (4) 100
45. 4, 9, 25, 49, ?
 (1) 81 (2) 121 (3) 64 (4) 169
46. 335, 355, 465, 476, ?
 (1) 376 (2) 289 (3) 426 (4) 535

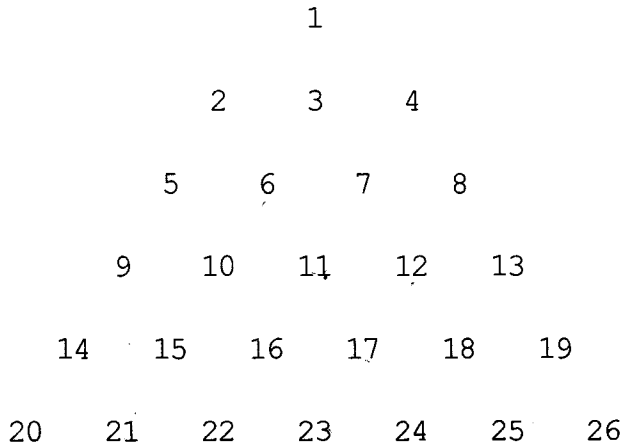
Q. 47. and 48. → **Instructions:—** A series of symbols is given. Identify the sequence of the symbol and choose the correct alternative to decide what will come in place of a question mark.

47. $\Delta \circ \star \circ \star ? \star \Delta ? \Delta \circ \star \circ ? \Delta$
 (1) $\Delta \star \circ$ (2) $\Delta \circ \star$ (3) $\circ \Delta \star$ (4) $\circ \star \Delta$
48. $\star \star \circ \circ ? \circ \circ \star \star \star \circ \circ \circ \circ \star ? ? \star \circ \circ \circ$
 (1) $\star \star \star$ (2) $\star \circ \star$ (3) $\star \circ \circ$ (4) $\circ \star \star$

Alphabets:— A B C D E F G H I J K L M N O P Q R S T U V W X Y

Q. 49. and 50. → *Instructions:—* Observe the following pyramid of numbers and answer the following questions.

(Example: 125 : 91420 then 148 : 131926)



49. 211510 : 221611 then 231712 : ?

(1) 241318

(2) 241813

(3) 172312

(4) 192526

50. If 526 : 111610 then 11712 : ?

(1) 172316

(2) 131812

(3) 162317

(4) 182417