

# HIGH SCHOOL SCHOLARSHIP EXAMINATION

## FEBRUARY 2009

Seat No.

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QUESTION PAPER CODE NO.

0	5	3	3
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## INTELLIGENCE TEST (ENGLISH)

TOTAL MARKS : 100

Time : 15.00 to 16.00

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

- N.B. —
- (1) This question paper contains 50 questions carrying 2 marks each.
  - (2) All questions are *compulsory*.
  - (3) A separate answer-sheet is provided. Every question has four alternatives to choose your answer from. These alternatives are numbered 1, 2, 3, 4. Out of these, only one choice of answer is correct. The correct alternative number should be written in the box provided in the answer-sheet, next to the corresponding question number, e.g. 

4
---
  - (4) Write the correct alternative number in English only. Answer numbers written in any other language will not be accepted.
  - (5) As far as possible avoid cancellations or overwritings on the answer-paper.
  - (6) Use black or blue ink pen or ball pen to write the answers. Answers written with pencil or red pen or any other coloured ink will not be assessed.
  - (7) While correcting the answer, cancel the wrong answer number by drawing three lines across it as shown. 

<del>3</del>
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 The corrected answer number should be written next to the cancelled box to look like 

<del>3</del> 2.
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  - (8) The correction can be done only once for each question.
  - (9) A total of only five corrections for one subject will be allowed. Marks will not be given for more than 5 corrections.
  - (10) If you do not know the answer to a question go to the next question. After having answered the questions, turn to the questions you found difficult.
  - (11) A space has been provided on every question paper for rough work. Use only that space for your rough work.
  - (12) Read the examples carefully and write the number of the correct alternative in the box as shown in the model answer-sheet.

Alphabets :— ABCDE FGHIJ KLMNO PQRST UVWXY

### EXAMPLES

- (1) Which is the seventh letter to the left of the middle letter in the above given alphabet?  
(1) G (2) T (3) F (4) S

(In the above alphabet the letter 'M' is in the centre. To the left of it, the 7th letter is 'F'. So in the model question-answer 'sheet' '3' is written in the box numbered '1')

Model Answer

1	3	2	2
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- (2) Find the odd figure out from the set of figures given below.



(1)



(2)



(3)



(4)

(In the second figure the part coloured black is in a different place from the rest of the figures. Therefore the answer of question 2 is 2.)

The rest of the answers have to be written in the given answer-sheet.

**Q. 1. to 5.** → **Instructions**— In the following questions there is a certain relationship between the first and the second term, the same relationship exists between the third and the fourth term. One of the term is missing. Find the missing term.

1. EF : OR :: AB : ?

(1) FC

(2) CF

(3) KL

(4) LK

2. CG : U :: HB : ?

(1) Y

(2) P

(3) S

(4) K

3. Ostrich : Oviparous :: ? : Viviparous

(1) Snake

(2) Tortoise

(3) Bat

(4) Lizard

4.  $\frac{5}{6} : \frac{10}{30} :: \frac{7}{3} : ?$

(1)  $\frac{12}{15}$

(2)  $\frac{35}{8}$

(3)  $\frac{12}{8}$

(4)  $\frac{35}{15}$

5.  $\frac{3}{4} : \frac{7}{12} :: \frac{6}{7} : ?$

(1)  $\frac{12}{42}$

(2)  $\frac{13}{40}$

(3)  $\frac{13}{42}$

(4)  $\frac{14}{41}$

**Space for Rough Work**

**Q. 6. and 7.** → **Instructions** :— In the alphabet series last 2 letters of each group are taken and placed after the leftover letters in the series.

6. Which will be the 15th letter from the end ?

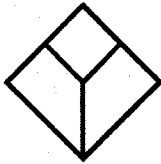
- (1) Q                      (2) M                      (3) D                      (4) P

7. Which letter in the newly formed series has its serial number equal to twice the perfect square number ?

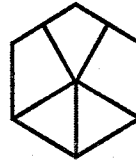
- (1) L                      (2) M                      (3) D                      (4) P

**Q. 8. to 10.** → **Instructions** :— Find the odd figure from the following.

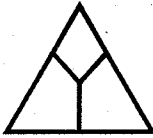
8. (1)



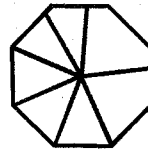
(2)



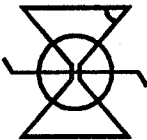
(3)



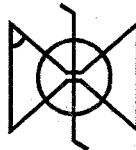
(4)



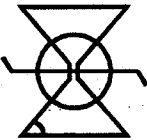
9. (1)



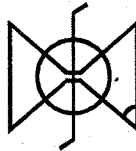
(2)



(3)



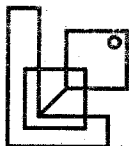
(4)



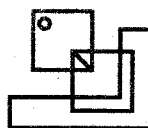
A DEBC F I J G H      \*      Space for Rough Work  
 K N O L M      P S T Q R      U X Y V W

10.

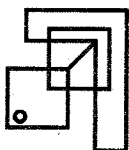
(1)



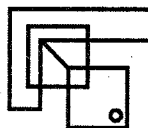
(2)



(3)



(4)

**Q. 11. to 13.**

→ **Instructions** :— In the question given below which will be the correct alternative in place of the question mark ?

11. B, C, E, G, ?, M

(1) I

(2) K

(3) H

(4) None of these

12. AY, XB, CW, VD, ?, TF

(1) EU

(2) UE

(3) EV

(4) FT

13. B, D, C, I, D, P, ?, Y

(1) F

(2) E

(3) R

(4) Q

**Q. 14. and 15.**

→ **Instructions** :— In each of the following three of the terms belong to a group, one of them does not. Find the odd term.

14. (1) 312

(2) 872

(3) 530

(4) 870

15. (1) 4225

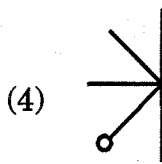
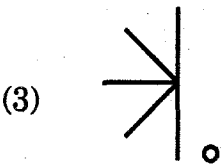
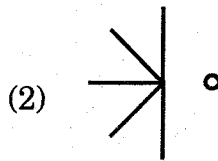
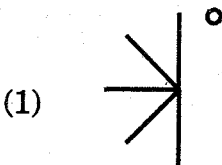
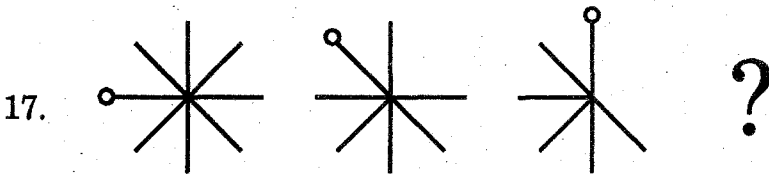
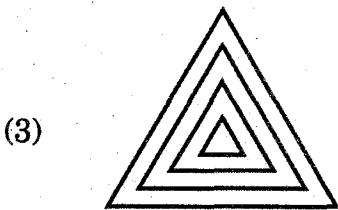
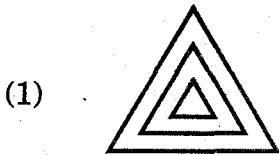
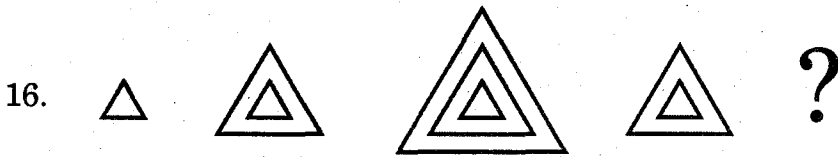
(2) 3025

(3) 5825

(4) 7225

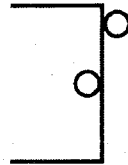
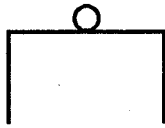
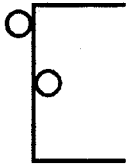
Space for Rough Work

Q. 16. to 18. → *Instructions* :- In the following questions which figure will replace the question mark.



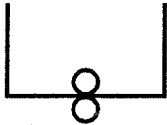
Space for Rough Work

18.

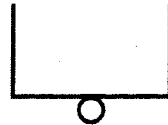


?

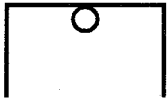
(1)



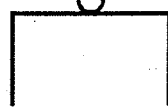
(2)



(3)



(4)



**Q. 19. and 20.**

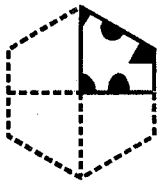
→ **Instructions** :- In each of the following, three of the terms belong to a group, one of them does not. Find the odd term.

19. (1) DG                      (2) KN                      (3) SU                      (4) VY

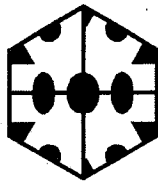
20. (1) GHI                      (2) LNM                      (3) TUV                      (4) DEF

21. In the question figure, the dotted lines are shown along which the figure is folded and the shaded part is shown where the figure is cut. If the given figure in the question is unfolded then it will look like which figure in the alternatives ?

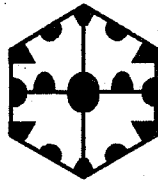
**Question Figure**



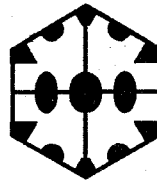
**Answer Figures**



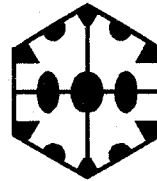
(1)



(2)



(3)

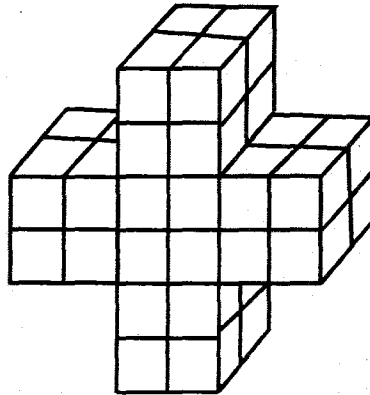


(4)

**Space for Rough Work**

22. What is the angle formed between the minutes hand and the seconds hand when the clock shows the time as 10 min. past 5.
- (1)  $98^\circ$       (2)  $92^\circ$       (3)  $90^\circ$       (4)  $95^\circ$

**Q. 23. and 24.** → *Instructions* :- Observe the figure and answer the questions by choosing the correct alternative.



23. If the figure is painted from all the sides from outside, then write the number of blocks which are coloured on two sides.
- (1) 10      (2) 16      (3) 40      (4) 12
- 
24. Write the number of blocks coloured only on one side.
- (1) 10      (2) 12      (3) 8      (4) 6

**Q. 25. to 27.** → *Instructions* :- In the series given below, find the missing numbers in place of the question mark.

25.  $\frac{2}{5}, \frac{4}{8}, \frac{7}{11}, ?, \frac{16}{17}$
- (1)  $\frac{9}{14}$       (2)  $\frac{11}{15}$       (3)  $\frac{12}{14}$       (4)  $\frac{11}{14}$

Space for Rough Work



**Alphabets : ABCDE****FGHIJ****KLMNO****PQRST****UVWXY**

26. 1, 2, 2, 6, 4, 18, 8, ?, 16

(1) 56

(2) 54

(3) 36

(4) 32

27. 4137, 3129, 2319, 1713, ?

(1) 711

(2) 117

(3) 191

(4) 3712

28. Sneha's age is 5 years less than  $\frac{1}{2}$  the age of her mother and  $\frac{1}{3}$  the age of her aunt. If Sneha's mother is 40 years old, how old is Sneha's aunt ?

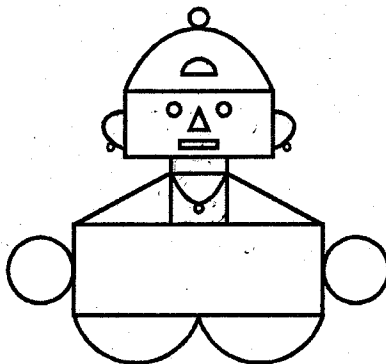
(1) 45

(2) 48

(3) 40

(4) 50

29. Observe the figure given below and answer the question.



How many quadrilaterals are there in the figure given above ?

(1) 6

(2) 8

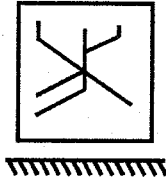
(3) 10

(4) 9

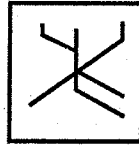


30. In the following question find the water reflection of the question figure from among the given alternatives :

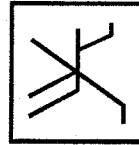
**Question Figure**



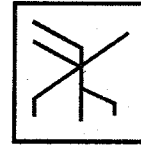
**Answer Figures**



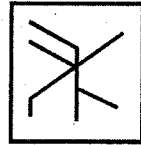
(1)



(2)



(3)



(4)

31. From the given alternatives, find one showing the mirror image of the figure given.

**Question Figure**



**Answer Figures**



(1)



(2)



(3)



(4)

32. The question figure at the left shows a part of a circle. From the given alternatives find the one that shows part of the circle which when placed properly will complete the circle shape with the question figure.

**Question Figure**



**Answer Figures**



(1)



(2)



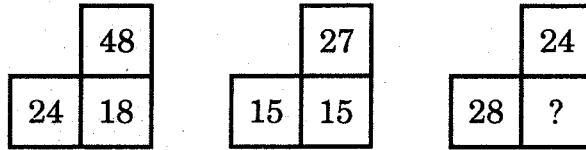
(3)



(4)

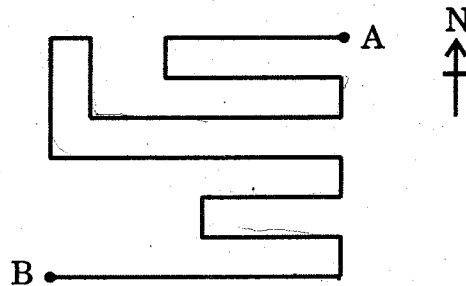
**Space for Rough Work**

33. In the following question, find the correct alternative to replace the question mark.



- (1) 12                      (2) 28                      (3) 21                      (4) 16

**Q. 34. and 35.** → **Instructions :-** Figure given below shows a path to reach B starting from A. Note the directions suggested and solve the questions.



34. While reaching 'B' from 'A', how many times the South direction will be at the left ?

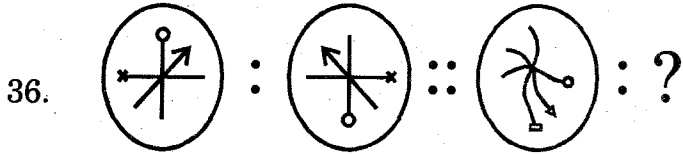
- (1) 5 times      (2) 3 times      (3) 4 times      (4) 7 times

35. To which direction of 'B' is 'A' ?

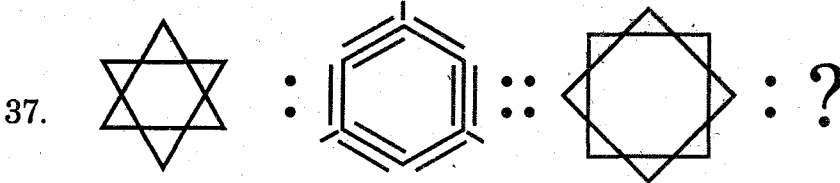
- (1) South-East    (2) South-West    (3) North-West    (4) North-East

**Space for Rough Work**

**Q. 36. and 37.** → *Instructions* :- In each of the questions given below there is a certain relation between the first and the second figure. The same relation exists between the third and fourth figure. Find the relation and choose the correct answer to replace the question mark.



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



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

**Space for Rough Work**

**Alphabets : ABCDE      FGHIJ      KLMNO      PQRST      UVWXY**

38. The letters given in the following are in a particular rhythm. Identifying the rhythm fill in the gaps.

P R P P — P P — P — R P

Which letters will occur in the above series in the blank space ?

- (1) P, R, P      (2) R, R, P      (3) R, P, P      (4) P, P, R

**Q. 39. and 40.** → **Instructions :-** Some friends are standing facing each other in a circle.

- (1) Suresh is at the third place to the right of Dinesh.
- (2) Mangesh and Prashant are on the either sides of Suresh.
- (3) Manohar is at the fifth place to the left of Suresh.
- (4) Mangesh is at the fourth place to the right of Manohar.
- (5) Manohar is at equidistant from Paresh and Ramesh.
- (6) Dinesh is in between Rajan and Ramesh.
- (7) Mahesh is at the fourth place to the right of Rajan.

39. Who is standing next to Mahesh in the left ?

- (1) Prashant      (2) Paresh      (3) Rajan      (4) Manohar

Rm    Rv    S  
R-D    Rm    M

**Space for Rough Work**

**Alphabets : ABCDE FGHIJ KLMNO PQRST UVWXY**

40. Who is standing on the seventh place to the left of Suresh ?

- (1) Prashant (2) Mahesh  
(3) Paresh (4) Rajan

41. Seema was born on Monday, 15th September, 1997. On which day will her third birthday fall ?

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

42. Atul is standing in a queue to buy a railway ticket. There are 12 persons in front of him and 20 persons behind him in a queue. Then how many persons are standing in front of a person who is fifteenth from the last ?

- (1) 16 (2) 18  
(3) 19 (4) 20

**Space for Rough Work**

33  
- 19  
---  
14



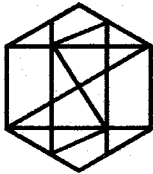
46. 98312 = ?

- (1) ASEPH      (2) SAPHQ      (3) FPHSR      (4) ASPHF

47. One of the figure to the right is hidden in the figure to the left. Find the correct alternative.

**Question Figure**

**Answer Figures**



(1)



(2)



(3)



(4)

48. In the question below, two statements are given. They may be irrelevant but consider them to be true and hence write what conclusion can be drawn by choosing the correct alternative.

**Statement** : (1) Some elephants are tigers. (2) All tigers are brave.

**Conclusion** : (A) All elephants are brave. (B) Some elephants are brave.

- (1) Only (A) conclusion can be drawn  
 (2) Only (B) conclusion can be drawn  
 (3) Both (A) and (B) conclusions can be drawn  
 (4) None of the conclusions from (A) and (B) can be drawn

**Space for Rough Work**

Alphabets : ABCDE

FGHIJ

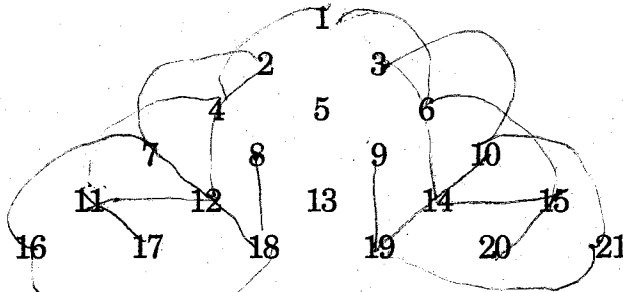
KLMNO

PQRST

UVWXY

Q. 49. and 50.

→ *Instructions* :- Observe the pyramid of the numbers carefully and answer the questions.



49. 7, 12, 18, 8 : 10, 14, 19, 9 :: 11, 12, 4, 2 : ?

(1) 15, 14, 9, 3

(2) 15, 14, 6, 3

(3) 14, 15, 3, 9

(4) 14, 15, 10, 6

50. 1, 4, 11, 17 : 1, 6, 15, 20 :: ? : 3, 10, 21, 19

(1) 2, 7, 16, 17

(2) 2, 7, 11, 17

(3) 2, 7, 12, 18

(4) 2, 7, 16, 18