

**18 January 2025
Entrance Exam
(Class 6)**

**Adda247
Question paper
Answer key**

English Medium



SS256J HIND - G

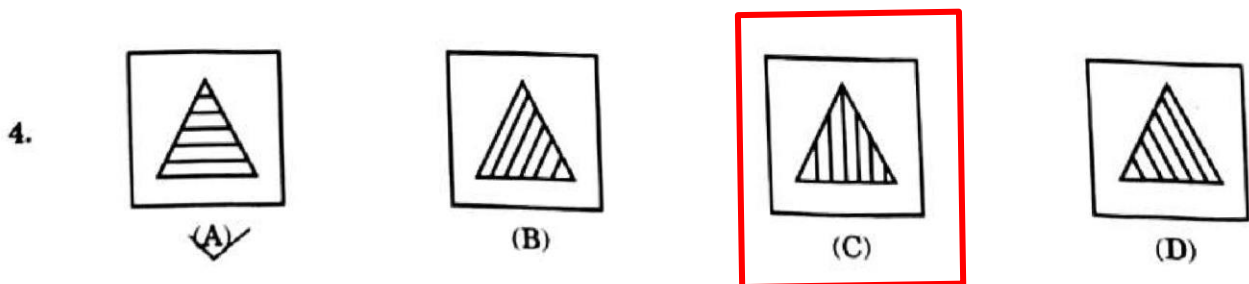
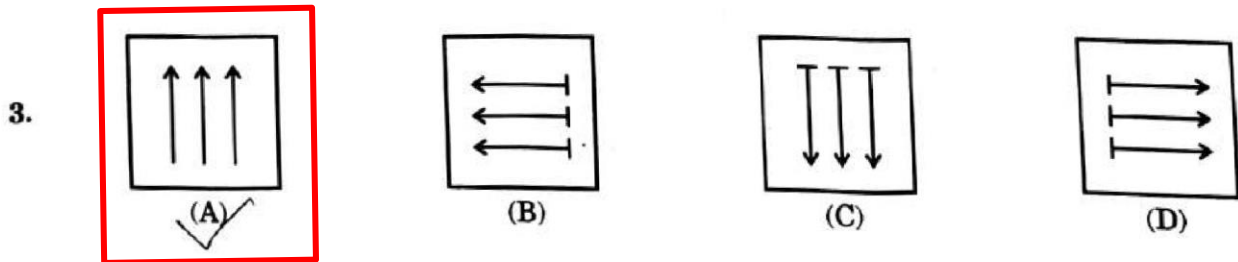
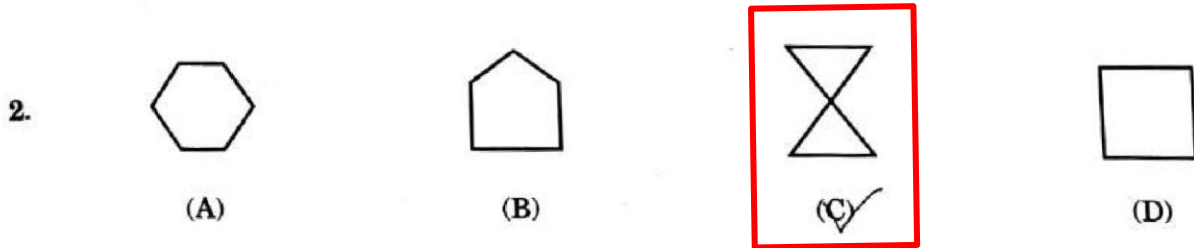
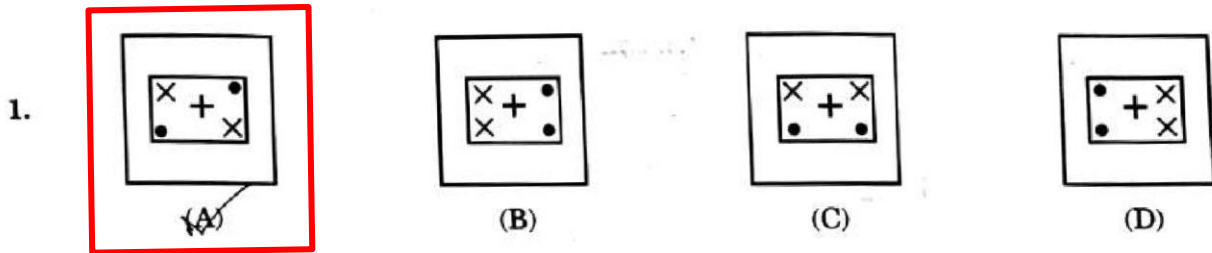
(2)

खण्ड - I

मानसिक योग्यता परीक्षण

भाग - 1

निर्देश : प्रश्न संख्या 1 से 4 में, प्रत्येक प्रश्न में चार चित्र (A), (B), (C) और (D) दर्शाए गए हैं। इन चार चित्रों में से तीन चित्र किसी विधि से एकसमान हैं, जबकि एक चित्र अन्य से भिन्न है। अन्य से भिन्न चित्र का चयन करें। अपने उत्तर को दर्शाने के लिए ओ.एम.आर. उत्तर-पत्रिका में प्रश्न की संगत संख्या के सामने वाले वृत्त को काला करें।





(3)

55256J ENGL - F

PART - 2

Directions : In Question Nos. 5 to 8, a question figure is given on the left side and four answer figures marked (A), (B), (C) and (D) are given on the right side. Select the answer figure which is exactly the same as the question figure and darken the circle in the OMR Answer Sheet against the number corresponding to the question.

Question Figure

Answer Figures

5.



(A)



(B)

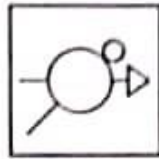
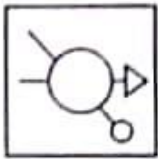


(C)

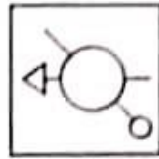


(D)

6.



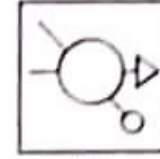
(A)



(B)

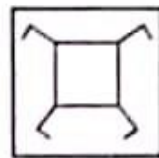
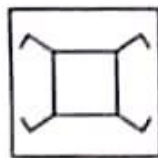


(C)

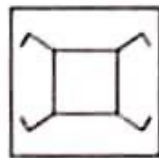


(D)

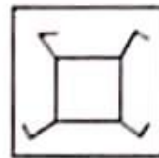
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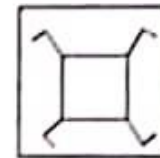
(A)



(B)

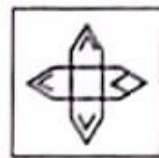
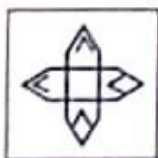


(C)

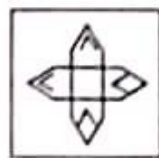


(D)

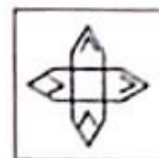
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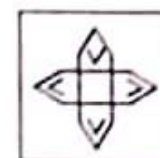
(A)



(B)



(C)



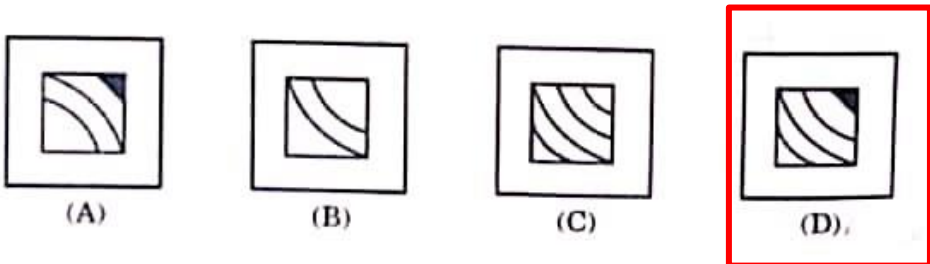
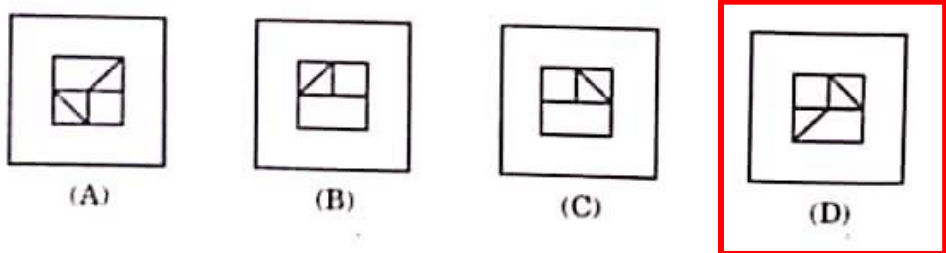
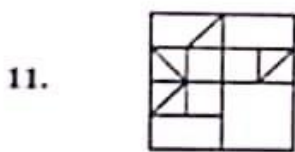
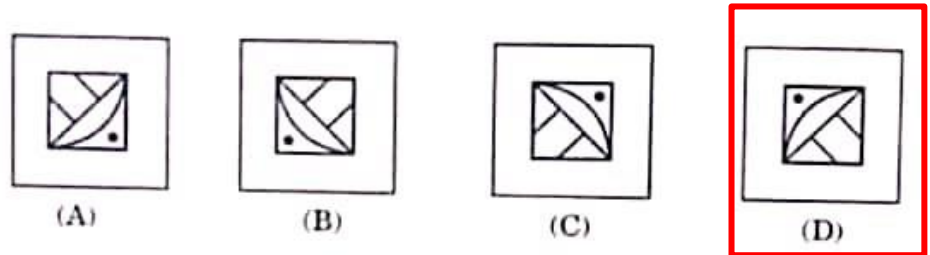
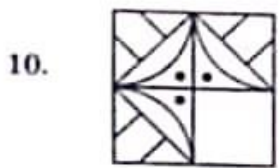
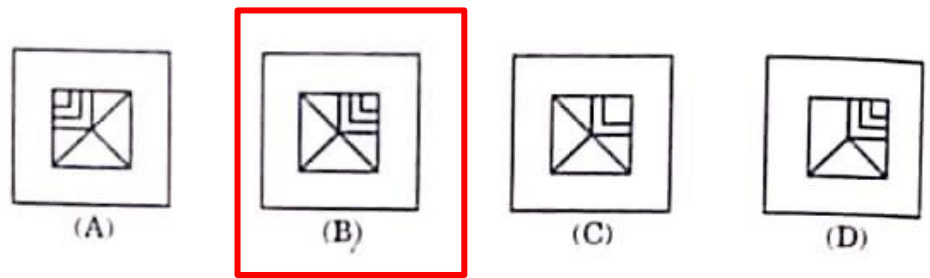
(D)



Directions : In Question Nos. 9 to 12, there is a question figure on the left side, a part of which is missing. Observe the answer figures (A), (B), (C) and (D) on the right side and find out the answer figure which, **without changing the direction**, fits in the missing part of the question figure in order to complete the pattern in the question figure. Indicate your answer by darkening the circle in the OMR Answer Sheet against the number corresponding to the question.

Question Figure

Answer Figures





PART - 4

Directions : In Question Nos. 13 to 16, there are three question figures on the left side and the space for the fourth figure is left blank. The question figures are in a series. Find out one figure from among the answer figures given on the right side which occupies the blank space for the fourth figure on the left side and completes the series. Indicate your answer by darkening the circle in the OMR Answer Sheet against the number corresponding to the question.

Question Figures

13.

* ×	× =	= •	?
=	•	*	
•	*	×	

14.

			?
--	--	--	---

15.

			?
--	--	--	---

16.

$\frac{+}{-} \frac{\circ}{\%}$	$\frac{-}{\%} \frac{+}{\circ}$	$\frac{\%}{\circ} \frac{-}{+}$?
--------------------------------	--------------------------------	--------------------------------	---

Answer Figures

(A)

= •
×
*

 (B)

* ×
=
•

 (C)

= *
•
×

 (D)

• *
×
=

(A)

(B)

(C)

(D)

(A)

(B)

(C)

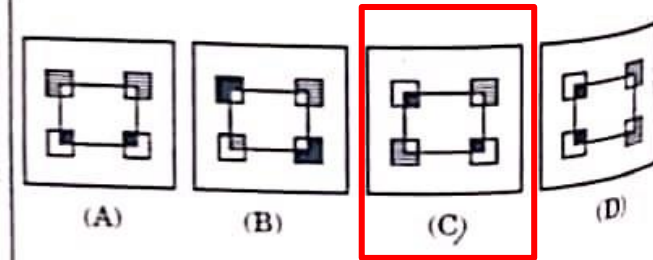
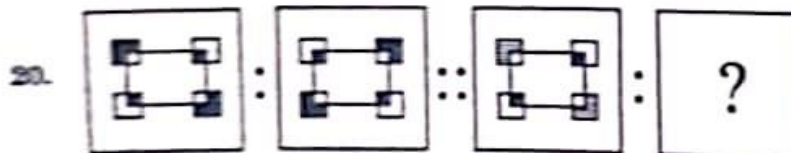
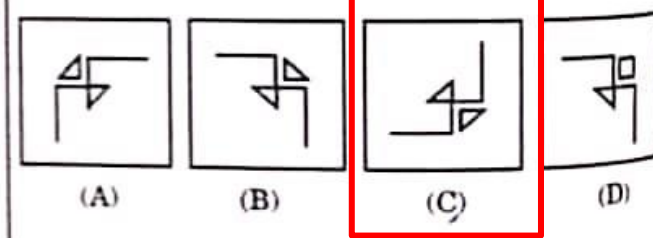
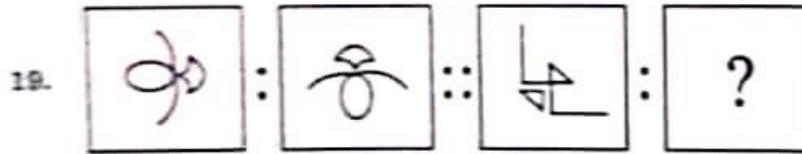
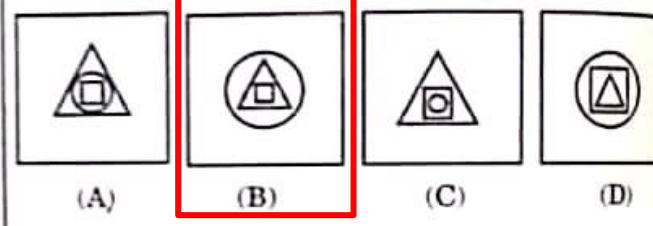
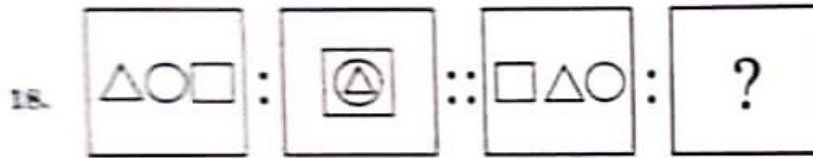
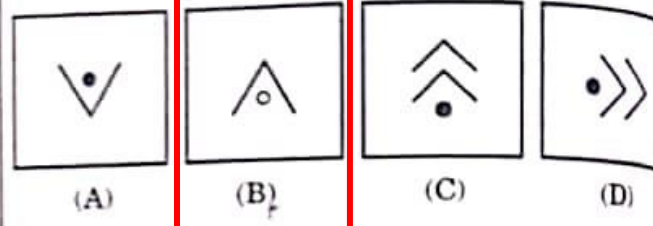
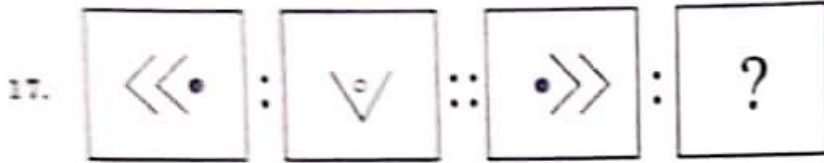
(D)

(A) $\frac{\%}{-} \frac{\circ}{+}$ (B) $\frac{\circ}{-} \frac{+}{\%}$ (C) $\frac{\circ}{+} \frac{\%}{-}$ (D) $\frac{\circ}{-} \frac{\%}{+}$

Directions : In Question Nos. 17 to 20, there are two sets of two question figures each. The second set has an interrogation mark (?). There exists a relationship between the first two question figures. Similar relationship should exist between the third and the fourth question figure. Select one of the answer figures which replaces the mark of interrogation. Darken the circle in the OMR Answer Sheet against the number corresponding to the question.

Question Figures

Answer Figures





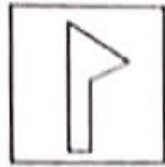
PART - 6

Directions : In Question Nos. 21 to 24, one part of a geometrical figure (Triangle, Square, Circle) is on the left side as question figure and the other one is among the four answer figures (A), (B), (C) and (D) on the right side. Find the figure on the right side that completes the geometrical figure and darken the circle in the OMR Answer Sheet against the number corresponding to the question.

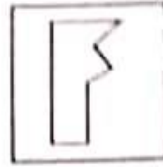
Question Figure

Answer Figures

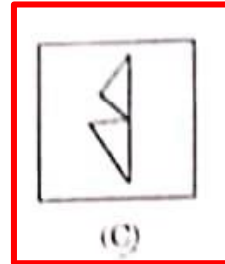
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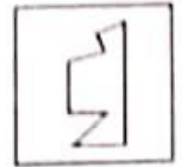
(A)



(B)

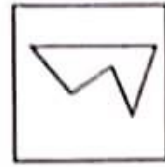


(C)

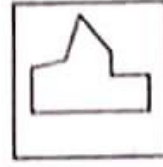


(D)

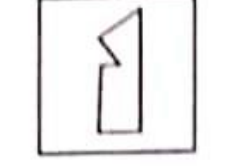
22.



(A)



(B)

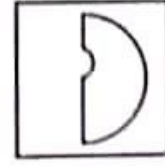


(C)



(D)

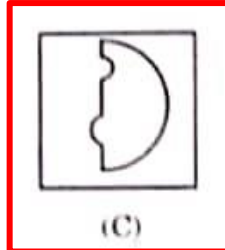
23.



(A)



(B)

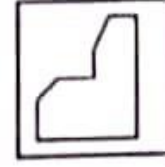
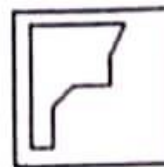


(C)

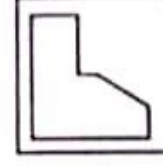


(D)

24.



(A)



(B)



(C)



(D)



Directions : In Question Nos. 25 to 28, there is a question figure on the left side and four answer figures marked (A), (B), (C) and (D) are given on the right side. Select the answer figure which is exactly the mirror image of the question figure when the mirror is held at XY. Indicate your answer by darkening the circle in the OMR Answer Sheet against the number corresponding to the question.

Question Figure

Answer Figures

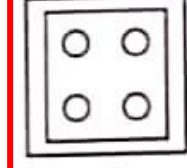
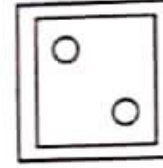
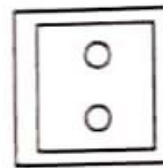
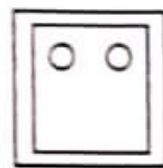
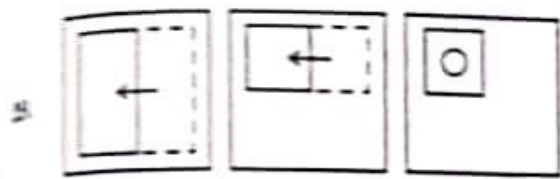
25.		<p>(A)</p>	<p>(B)</p>	<p>(C)</p>	<p>(D)</p>
26.		<p>(A)</p>	<p>(B)</p>	<p>(C)</p>	<p>(D)</p>
27.		<p>(A)</p>	<p>(B)</p>	<p>(C)</p>	<p>(D)</p>
28.		<p>(A)</p>	<p>(B)</p>	<p>(C)</p>	<p>(D)</p>



Directions : In Question Nos. 29 to 32, a piece of paper is folded and punched as shown in the question figures on the left side and four answer figures marked (A), (B), (C) and (D) are given on the right side. Select the answer figure which indicates how the paper will appear when opened (unfolded). Indicate your answer by darkening the circle in the OMR Answer Sheet against the number corresponding to the question.

Question Figures

Answer Figures

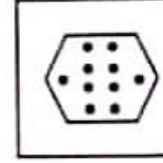
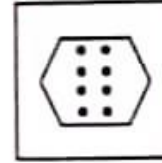
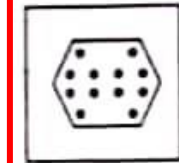
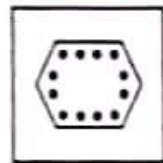
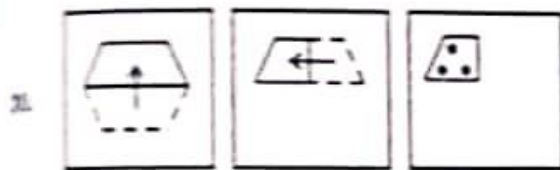


(A)

(B)

(C)

(D)

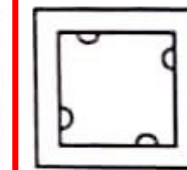
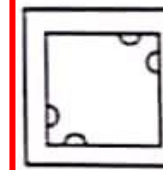
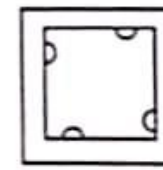
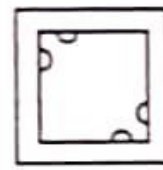
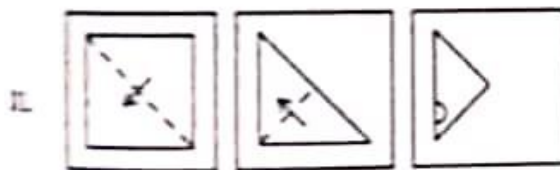


(A)

(B)

(C)

(D)

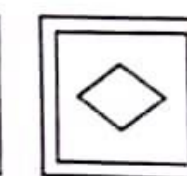
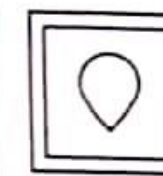
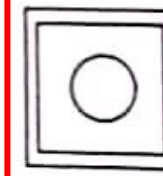
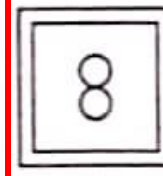
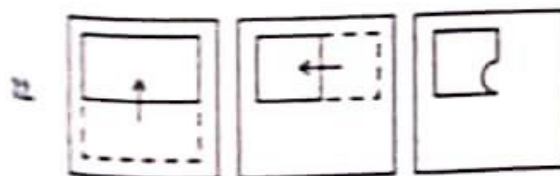


(A)

(B)

(C)

(D)



(A)

(B)

(C)

(D)

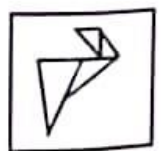
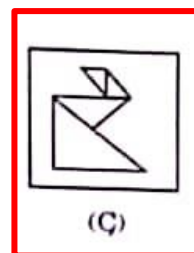
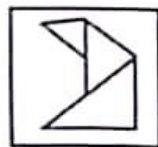
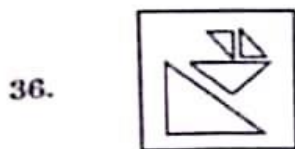
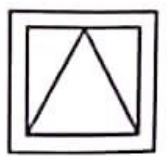
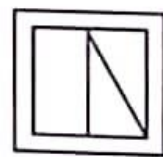
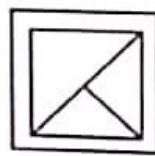
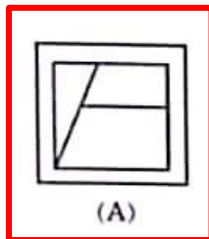
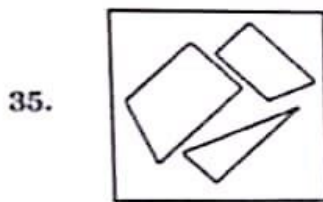
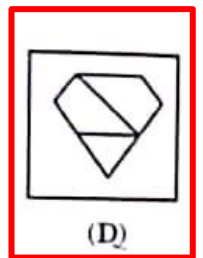
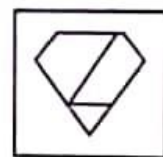
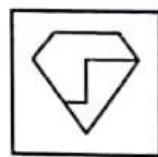
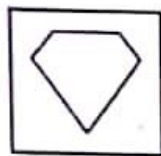
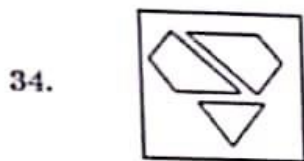
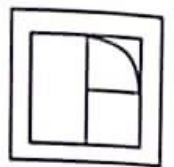
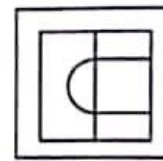
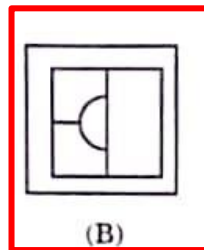
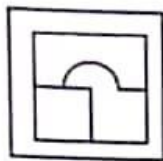
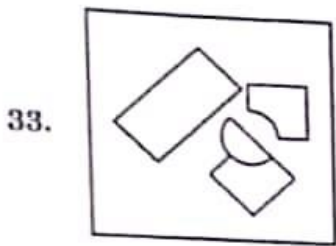
PART - 9



Directions : In Question Nos. 33 to 36, a question figure is given on the left side and four answer figures marked (A), (B), (C) and (D) are given on the right side. Select the answer figure which can be formed from the cut-out pieces given in the question figure. Darken the circle in the OMR Answer Sheet against the number corresponding to the question.

Question Figure

Answer Figures





PART - 10

Directions : In Question Nos. 37 to 40, a question figure is given on the left side and four answer figures marked (A), (B), (C) and (D) are given on the right side. Select the answer figure in which the question figure is hidden/embedded. Darken the circle in the OMR Answer Sheet against the number corresponding to the question.

Question Figure

Answer Figures

37.					
38.					
39.					
40.					

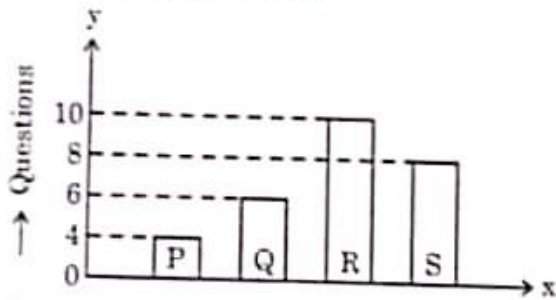
SECTION - II

ARITHMETIC TEST

Directions : For every question, four probable answers as (A), (B), (C) and (D) are given. Only one out of these is correct. Choose the correct answer and darken the circle in the OMR Answer Sheet against the number corresponding to the question.

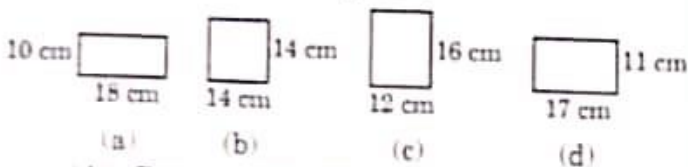
41. A bicycle wheel has a total of 24 spokes. The angle between a pair of adjacent spokes is :
 (A) 10° (B) 15°
 (C) 24° (D) 30°

42. The bar graph shows the number of questions solved by P, Q, R and S.



From the above bar graph, find how many more questions Q and R solve together than P and S together did.

- (A) 2 (B) 2
 (C) 16 (D) 12
43. The angle between the minute hand and the hour hand at 6:00 p.m. is :
 (A) Acute angle (B) Right angle
 (C) Obtuse angle (D) Straight angle
44. Which of the following rectangles has maximum area and how much is the maximum area (in sq. cm) ?



- (A) Rectangle (c), 192
 (B) Rectangle (b), 196
 (C) Rectangle (d), 212
 (D) Rectangle (a), 280

45. What should be subtracted from $\frac{33}{40}$ to get $\frac{11}{40}$?
 (A) $\frac{22}{40}$ (B) 22
 (C) $\frac{11}{40}$ (D) $\frac{3}{5}$

46. A shopkeeper buys at the rate of 5 toffees for a rupee and sells at the rate of 4 toffees for a rupee. The number of toffees sold, so as to earn a profit of ₹ 125 is :
 (A) 1,200 (B) 1,500
 (C) 2,000 (D) 2,500

47. A square park is of side 50 m. There is a path 2.5 m wide running all around inside it. The cost of levelling the path (in ₹) at ₹ 10 per square metre is :
 (A) 4,500 (B) 5,000
 (C) 5,000 (D) 5,250

48. Teena purchased a scooter for ₹ 55,000. She spent ₹ 3,400 on its repair. She sold the scooter to her friend for ₹ 56,030. Her profit or loss is
 (A) Profit of ₹ 2,370 (B) Profit of ₹ 2,370
 (C) Profit of ₹ 1,030 (D) Loss of ₹ 1,030

49. $\frac{5}{22} + \frac{7}{22} - \frac{3}{22} + \frac{9}{22} - \frac{1}{22}$, on simplification, gives :
 (A) $\frac{15}{22}$ (B) $\frac{19}{22}$
 (C) $\frac{19}{22}$ (D) $\frac{13}{22}$

50. $8 - [18 - \{16 - (5 - 4 - 1)\}]$ is equal to :
 (A) 2 (B) 3
 (C) 3 (D) 5



51. The simplest fraction form of 20.0925 is :

- (A) $\frac{8037}{400}$ (B) $\frac{8037}{200}$
(C) $\frac{8037}{4000}$ (D) $\frac{8037}{4000}$

52. Suresh left his home at 9:00 a.m. to meet his uncle. He walked for 10 minutes, travelled in bus for 1 hour 05 minutes and then walked for 15 minutes to reach his uncle's home. He stayed there for 3 hours 20 minutes and reached his home at 3:30 p.m. How much time did he take on the return journey ?

- (A) 1 hour 30 minutes
(B) 1 hour 35 minutes
(C) 1 hour 40 minutes
(D) 1 hour 45 minutes

53. 17 bottles of water, each of 300 mL and 30 bottles of juice, each of 130 mL are poured into a jug. The total liquid in the jug in litres is :

- (A) 8 (B) 10
(C) 10 (D) 11

54. $3 + \frac{3}{100} + \frac{3}{1000} + \frac{3}{1000000}$ is equal to the decimal number :

- (A) 3.030333 (B) 3.030333
(C) 3.003303 (D) 3.0303003

55. In a question of division, if divisor is 51, quotient is 16 and remainder is 27, then the dividend is :

- (A) 837 (B) 483
(C) 9 (D) 1393

56. Which of the following is always a factor of every prime number ?

- (A) 1 (B) 2
(C) 4 (D) 7

57. The sum of 1.1, 1.01, 1.001, 0.01, 11.01 and 111.001 is :

- (A) 125.2312 (B) 126.2311
(C) 125.2312 (D) 125.2321

58. If $9432 \div 1.25 = 7545.6$, then $9.432 \div 12.5$ is equal to :

- (A) 7.5456 (B) 7.5456
(C) 75.456 (D) 754.56

59. Prime factorisation of 90 is

- (A) 9×10 (B) $3 \times 6 \times 5$
(C) $2 \times 3 \times 3 \times 5$ (D) $2 \times 3 \times 15$

60. Find the difference between the greatest and the smallest 4-digit numbers formed using all the digits 4, 2, 0 and 7.

- (A) 5000 (B) 5300
(C) 5300 (D) 5720

SECTION - III
LANGUAGE TEST

Directions : There are **four** passages in this Section. Each passage is followed by five questions. Read each passage carefully and answer the questions that follow. For each question, **four** probable answers (A), (B), (C) and (D) are given. Only **one** out of these is **correct**. Choose the correct answer and darken the circle in the OMR Answer Sheet against the number corresponding to the question.

Passage - 1

Books are by far the most lasting products of human effort. Temples crumble into ruin, pictures and statues decay, but books survive. Books do not destroy the great thoughts which are as fresh today as when they first passed through the author's mind. These thoughts speak through the printed pages. The only effect of time has been to throw out of currency, inappropriate products. Nothing in literature which is not good can live for long. Good books have always helped man in various spheres of life. No wonder the world keeps its books with great care.

61. Of all the products of human effort, books are the most _____ creation.
(A) [redacted] (B) inappropriate
(C) time consuming (D) useful
62. Good books have been able to stand the test of time because they contain _____.
(A) the author's mind
(B) [redacted]
(C) inappropriate products
(D) printed matter
63. Which of the following words is a synonym of the word 'inappropriate' ?
(A) illness (B) unaware
(C) suitable (D) [redacted]
64. The world keeps its books with care because they _____.
(A) train us
(B) [redacted]
(C) are timeless
(D) celebrate human effort
65. The word 'crumble', as used in the passage, means _____.
(A) disintegrate (B) [redacted]
(C) displace (D) dissect

Passage - 2

A robot is a special machine. It moves and follows instructions that come from a computer. Because it is a machine, it does not make mistakes or get tired. It never complains.

Robots are all around us. Some robots are used to make things. For example, robots can help make cars. Some robots are used to explore dangerous places like volcanoes. Some robots can help clean houses. Some robots can even recognize words. They can be used to help answer telephone calls. Some robots look like humans. Most robots just look like machines.

66. The synonym of 'tired' is _____.
(A) explore (B) [redacted]
(C) vacuum (D) dangerous
67. Robots don't make mistakes because they _____.
(A) are machines
(B) [redacted]
(C) look like humans
(D) don't look tired
68. According to the passage, for which of the following tasks are robots **not** used ?
(A) To clean houses
(B) To answer telephone calls
(C) For making cars
(D) [redacted]
69. Which of the following words is an antonym of the word 'dangerous' ?
(A) explore (B) [redacted]
(C) tired (D) recognise
70. Which of the following statements about robots is **not** true ?
(A) Most robots look like machines.
(B) Robots don't make mistakes.
(C) Robots are very useful.
(D) [redacted]



Passage - 3

All spiders spin webs. Webs help spiders do three things. They help spiders hold eggs, hide from danger and catch food.

Most spiders are dark brown, grey or black in colour while the spider webs are light in colour, white and cloudy. When spiders hide in their webs, they are harder to see. Webs help spiders catch food. Spider webs are sticky. When a bug flies into the web, it gets stuck. It tries to get out, but it can't. It is trapped! Spiders can tell that the bug is trapped as they feel the web move.

So without webs, spiders would not be able to live like they do. Webs, in fact are crucial for the survival of spiders.

- 71. This passage is about the _____
 (B) importance of bugs for the spiders
 (C) importance of laying eggs
 (D) nature of spiders
- 72. What is *not* true about webs of spiders?
 (A) They hold eggs.
 (B) They catch food.
 (D) They hide from enemies.
- 73. The synonym of the word 'trapped' is :
 (B) hidden
 (C) eaten (D) escape
- 74. How can spiders tell when something is trapped in their web?
 (A) They can hear it. (B) They can smell it.
 (D) They can taste it.
- 75. As used in the last sentence of the passage, the word 'survival' means _____
 (B) hidden
 (C) caught (D) defence

Passage - 4

The golden eagle is easily recognizable by its mostly dark brown plumage and golden feathers. In adults, the females resemble the males, but are often larger.

This majestic creature makes its home in the open country in the northern hemisphere. They build large nests in trees or on the walls of cliffs which gives them greater room to manoeuvre. The golden eagle is a master at soaring. With its large wingspan, it is a magnificent sight as it soars for long periods often aided by the rising mass of warm air. Upwind is important, for it can carry the golden eagle to massive heights without flapping.

- 76. The golden eagle is mostly found in _____
 (A) areas that have little wind and warm air
 (B) areas that have buildings
 (C) the southern hemisphere
- 77. The female golden eagle can be distinguished by its _____
 (A) darker plumage
 (B) brighter wings
 (C) dark brown plumage
- 78. Which places would the bird look for building nests?
 (A) Open country
 (B) Areas isolated from vegetation
 (D) Open country with houses
- 79. Which word is similar in meaning to the words 'majestic' ?
 (A) golden (B) humble
 (D) modest
- 80. Which of the following words is *not* an antonym of 'massive' ?
 (A) tiny (D) weightless
 (C) puny