

# **MAHAEXAM<sup>®</sup>**

**PRE SECONDARY SCHOLARSHIP MOCK EXAMINATION - 2018**

**Medium : English**

**Subject : Third Language - Intelligence Test**

**Date : 28/01/2018      Time : 1.30 Hr.      Std. : 8th      Total Marks : 150**

***Instructions :***

- (1) This question paper will be of 75 questions carrying 2 marks each.
- (2) All questions are compulsory.
- (3) Each question will have Four alternatives. ①②③④
- (4) The answer sheet provided separately along with the question paper will have 4 circles ①②③④. Darken the correct alternative circle completely either with black or blue ink ballpen.  
For example, if the answer for a question is 2, the circle having 2 should be completely made black or blue like this ①●③④
- (5) Any of the answer coloured or marked as follows will get zero mark.  
① ② ③ ④
- (6) Answers marked in pencil will not be considered.
- (7) Answer once given cannot be changed.
- (8) Answers marked in more than one circle will not be considered.
- (9) Time limit of the examination is fixed. So if you do not know the answer to any of the questions, go to the next one. If time remains after attempting the final question attempt the questions left out.

**Subject : Third Language & Intelligence Test  
Model Answer**

**Question Paper****PART - I : THIRD LANGUAGE**

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- प्र.1 3) दुष्काळाची
- प्र.2 2) पाचशे
- प्र.3 1) चांगले
- प्र.4 4) अहर्निश - दिवस
- प्र.5 2) 1-ब, 2-क, 3-अ
- प्र.6 1) अ: आणि 3) अं
- प्र.7 4) माझे
- प्र.8 1) चार
- प्र.9 2) झाड
- प्र.10 2) बेरंग
- प्र.11 3) खेड्यांचाच
- प्र.12 1) शेती
- प्र.13 4) अन्नदाता
- प्र.14 3) गाई
- प्र.15 1) घरटी
- प्र.16 2) धंदा
- प्र.17 1) स्वल्पविराम आणि 4) उद्गारचिन्ह

प्र.18 2) ढग

प्र.19 3) पर्यावरण दिन

प्र.20 2) पु. ल. देशपांडे

प्र.21 3) शेतकरी शेत नांगरत असत.

प्र.22 4) समरस होणे - एकरूप न होणे.

प्र.23 2) तीन

प्र.24 3) इकडे आड तिकडे विहिर.

प्र.25 1) चार

**PART - II : INTELLIGENCE TEST****Q.26 3) C**

Solution :

The meaningful word formed from given question is

P R O N U N C I A T I O N

and the middle letter is 'C'

∴ Option 3 is correct.

**Q.27 4) 482**

Solution :

Given word is HOME

H - 8  $8^2 + 15^2 + 13^2 + 5^2$ O - 15  $64 + 225 + 169 + 25$ M - 13  $= 483$ 

E - 5

**Q.28 2) 4 times**

Solution :

S S Q P P S P Q Q P P S P Q S P Q Q P

S follows P and Q is followed by P means we have to find sequence SPQ. It is repeated four times.

Hence option 2 is correct.

**Q.29 1) 16**

Solution :

We have  $5 + 6 + 7 + 8 = ?$ 

↓ ↓ ↓ ↓

 $1 + 3 + 5 + 7 = 16$ 

∴ Option 1 is correct.

**Q.30 3) 23, 5, 1, 11**

Solution :

The opposite of STRONG is WEAK

W E A K

↓ ↓ ↓ ↓

23 5 1 11

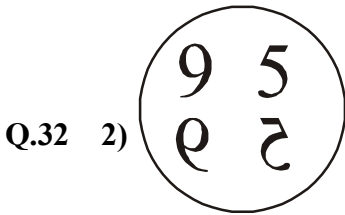
∴ The set is 23,5,1,11

**Q.31 2) Cancer****3) Leo**

Solution :

In given question zodiac signs are grouped. From option Cancer and Leo are also zodiac signs.

Hence option 2 and 3 are correct.



Solution :

In question figure (1), (3) and (4) the water image of written words is drawn where as in (2) image is drawn. Hence option (2) is odd.

- Q.33 1) 572  
3) 660

Solution :

In the given group the no.s are divisible by 11

$$\frac{385}{11} = 35, \quad \frac{165}{11} = 15, \quad \frac{297}{11} = 27$$

Simillary in option 1 and 3 the numbers  $\frac{572}{11} = 52$

$$\frac{660}{11} = 60$$

Option 1 and 3 are correct.

- Q.34 2)  $\frac{FG}{40}$

Solution :

As in  $\frac{CF}{11} = \frac{3 \times 6}{18} = \frac{18}{18} = 1$

$$\frac{FG}{40} = \frac{6 \times 7}{40} = \frac{42}{40}$$

$$\frac{BG}{14} = \frac{2 \times 7}{14} = \frac{14}{14} = 1$$

$$\frac{DE}{20} = \frac{4 \times 5}{20} = \frac{20}{20} = 1$$

Option 2 is odd.

- Q.35 1) HC  
4) PK

Solution :

In HC and PK

HC  $\rightarrow H = 8, C = 3 \rightarrow 8 - 3 = 5$

PK  $\rightarrow P = 16, K = 11 \rightarrow 16 - 11 = 5$

where as in

LF  $\rightarrow L = 12, F = 6 \rightarrow 12 - 6 = 6$

TN  $\rightarrow T = 20, N = 14 \rightarrow 20 - 14 = 6$

Hence option 1 and 4 are correct.

**Q.36 3) 4**

Solution :

The given question is

$$54 : 8 :: 32 : 4$$

$$\begin{array}{ccc} 54 & : & 8 \\ \downarrow & & \downarrow \\ (5 + 4) & (5 - 4) & 9 - 1 = 8 \end{array}$$

similarly

$$\begin{array}{ccc} & 32 & \\ & \downarrow & \\ & (3 + 2) - (3 - 2) & \\ & = 5 - 1 = 4 & \end{array}$$

∴ Option 3 is correct.

**Q.37 2) D**

**3) P**

Solution :

$$A : A :: D : ?$$

$$\therefore A \rightarrow A :: D \rightarrow D$$

OR

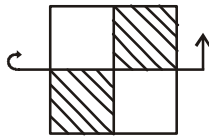
$$A : A :: D : P$$

$$1 \rightarrow 1 \quad 4 \rightarrow 16$$

$$1^2 \quad 4^2$$

∴ Option (2) and (3) are correct.

**Q.38 2)**



Solution :

In the question figure the diagram is moving clockwise hence option (2) is correct.

**Q.39 2) Tooth**

Solution :

Janudice is a disease of liver. Where as pyarrhoea is disease of tooth.

Option 2 is correct.

**Q.40 4) 373**

Solution :

In the question

$$686 \ 282$$

$$\frac{6}{8}, 8, \frac{6}{8} \rightarrow 282$$

simillary 979

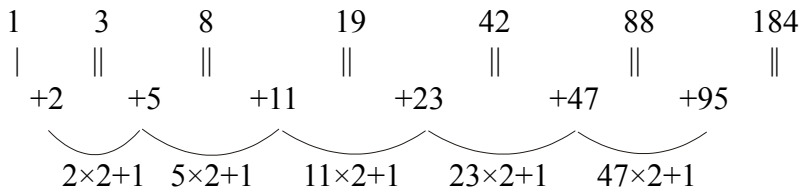
$$\frac{9}{3}, 7, \frac{9}{3} = 373$$

∴ Option 4 is correct.

**Q.41 1) 88**

Solution :

The given series is



Hence the number 88 is wrong and should be replacement by 89.

∴ Option 1 is odd.

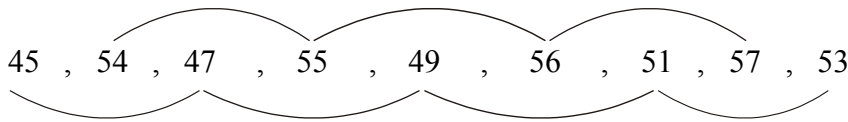
**Q.42 2) 55**

Solution :

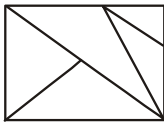
There are two alternate series in the single series one of them moves with 45 and another starts with 54.

Hence the missing number is 55.

∴ Option 2 is correct.



**Q.43 4)**



Solution :

In the first fig. there are two parts, in the next there are 3 parts, in the 3rd figure there are 4 parts. So in next figure there should be 5 parts.

∴ Option 4 is correct.

**Q.44 1) GH**

Solution :

In the given series

A C	B F	C I	E B	F E	G H
1 3	2 6	3 9	5 2	6 5	7 8

The series follow the table of 13

∴ GH → 78

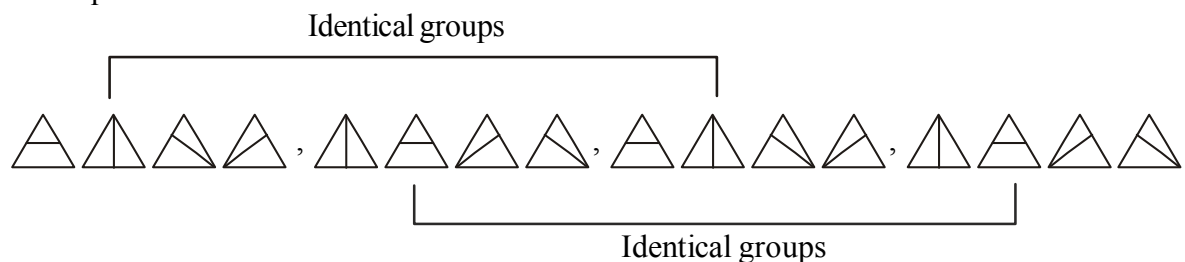
∴ Option 1 is correct.

**Q.45 2)**



Solution :

In the question series

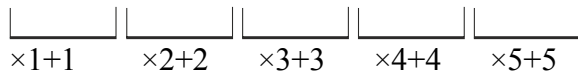


∴ Option 2 is correct.

**Q.46 3) 685**

Solution :

3      4      10      33      136      685

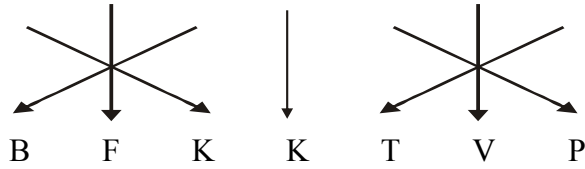


∴ Option 3 is correct.

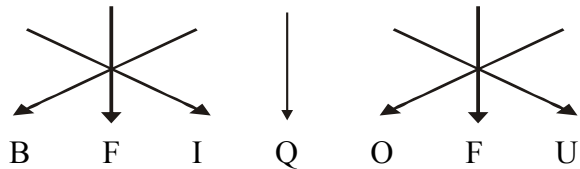
**Q.47 2) BFIQOFU**

Solution :

J    E    A    L    O    U    S



H    E    A    R    T    E    N

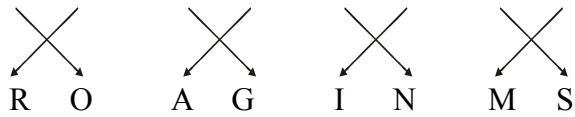


∴ Option 2 is correct.

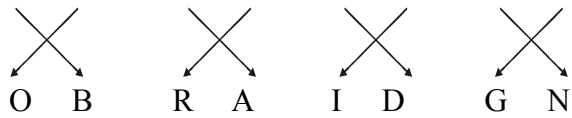
**Q.48 3) OBRAIDGN**

Solution :

O R    G A    N I    S M



B O    A R    D I    N G



∴ Option 3 is correct.

**Q.49 2) 69**

Solution :

In case of PINTU if we add serial nos. of alphabates

$$16 + 9 + 14 + 20 + 21 = 80$$

PRIYA will be  $16 + 18 + 9 + 25 + 1 = 69$

∴ Option 2 is correct.



**Q.50 4) sqpqr**

Solution :

The repeated block is of four letters pqrs.

pqrs, qrsp, rspq, spqr

missing letter are sqpqr

∴ Option 4 is correct

**Q.51 3) 454**

Solution :

45445 | 45445 | 45445 | 45445

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

The group 45445 repeats. Hence answer (3) is correct.

**Q.52 2) ☐⊙**

Solution :

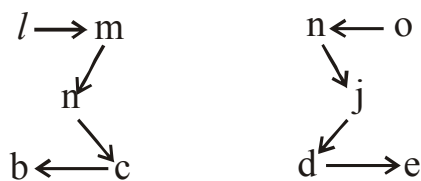
The symbols in a group are reversed in the next group.

Hence option (2) is correct.

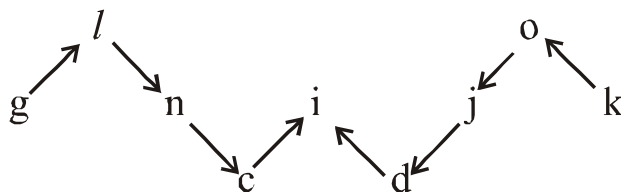
**Q.53 4) kojdi**

Solution :

u  
s t  
p q r  
l m n o  
g h i j k  
a b c d e f



simillary

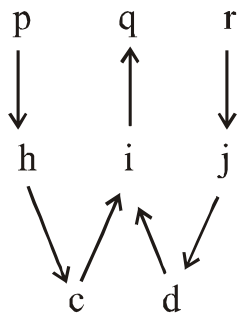


∴ Option 4 is correct

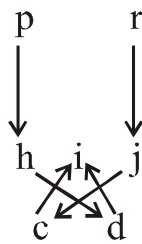
**Q.54 3) rjci**

Solution :

As given in question figure



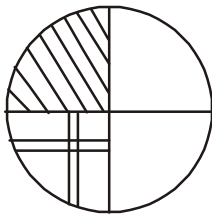
similarly for



∴ Option 3 is correct

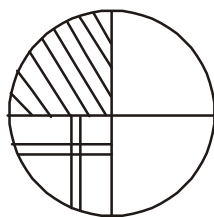
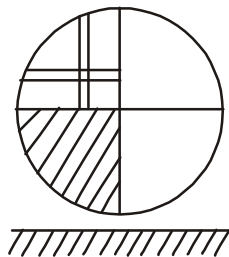
**Q.55 4) 2721111722**

**Q.56 3)**



Solution :

Water image is obtained by inverting an object vertically.



∴ Option 3 is correct

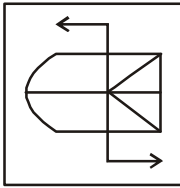
**Q.57 3) V CONZLIC**

Solution :

Water image is obtained by inverting an object vertically.

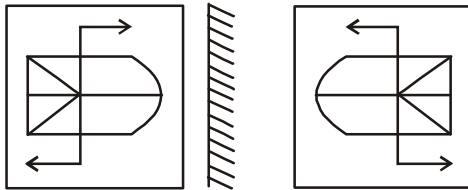
∴ Option 3 is correct

**Q.58 4)**



Solution :

Mirror image is obtained by inverting an object laterally.



∴ Option 4 is correct

**Q.59 3) 17 years**

**4) 23 years**

Solution :

The total age  $40 - 6 = 34$  is twice of younger's age. So younger's age is  $34 \div 2 = 17$  years and elder's age is  $17 + 6 = 23$  years.

Here younger or elder is not mentioned. So Isha's age can be 17 or 23

Choice / Option 3 and 4 are correct.

**Q.60 2) 3 : 00 hours**

**4) 9 : 00 hours**

Solution :

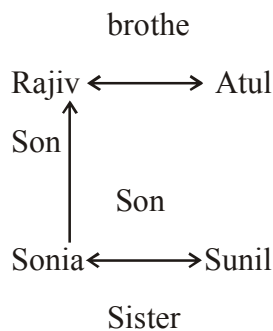
At 3 O'clock the hour hand is on 3 and the minute hand is on 12.

Similarly at 9 O'clock, the hour hand is on 9 and minute hand is on 12.

∴ Option 2 and 4 is correct

**Q.61 2) Son**

Solution :



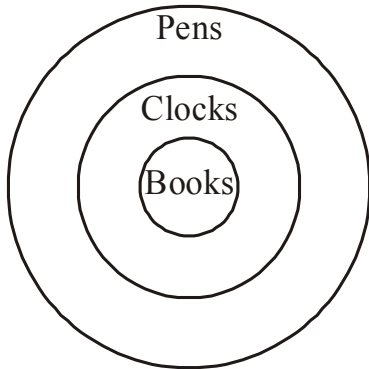
from the figure it is clear that Rajiv is Sonia's son.

∴ Option 2 and 4 is correct

**Q.62 1) Only A is true**

Solution :

We can draw ven diagrams for given statements

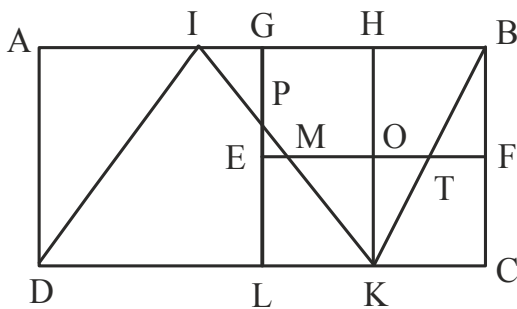


From diagram it is clear that all books are pens and some pens are books are true.

∴ Option 1 is correct

**Q.63 2) 13**

Solution :

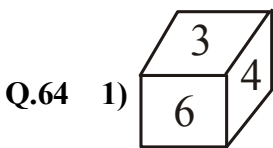


$\triangle DAI, \triangle DIK, \triangle BCK, \triangle IGP, \triangle PEM, \triangle IKH, \triangle KHB, \triangle TBF,$

$\triangle KOT, \triangle KOM, \triangle PLK, \triangle IBK, \triangle KMT$

There are 13  $\triangle$ s

∴ Option 2 is correct



Solution :

From unfolded figure, we find that the no. opposite to 2 is 4, for 5 it is 3 and for 1 it is 6.

In option 1 as numbers lying on opposite pair of surfaces are present on adjacent surfaces.

Hence option (1) is correct.

**Q.65 4) 20 m, North**

Solution :

Akshay finishes his journey at Q which is in the north of p and at 20m away from starting point P.

∴ Option 4 is correct.

**Q.66 1) 23 November**

**3) 8 December**

Solution :

AIDS day - 1st Dec. 2000

7 day before 1st Dec. and 7 days after 1st dec will be Tuesday

23rd November and 8 Dec will be Tuesday

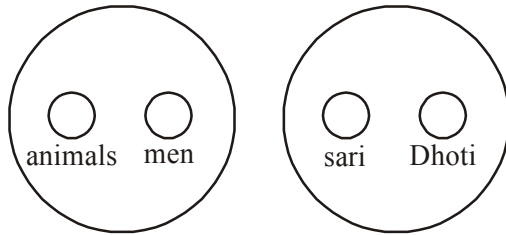
∴ Option 1 and 3 correct

**Q.67 3) Clothes, Sari, Dhoti**

**4) Living beings, Animals, Men**

Solution :

For option 3 and 4



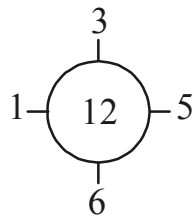
living beings

clothes

∴ Option 3 and 4 correct

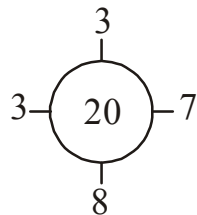
**Q.68 2) 15**

Solution :



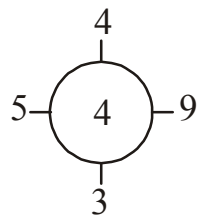
$$(5 - 1) \times (6 - 3)$$

$$4 \times 3 = 12$$



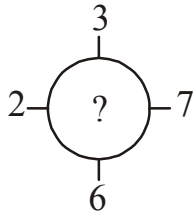
$$(7 - 3) \times (8 - 3)$$

$$4 \times 5 = 20$$



$$(9 - 5) \times (4 - 3)$$

$$4 \times 1 = 4$$



simillary

$$(7 - 2) \times (6 - 3)$$

$$5 \times 3 = 15$$

∴ Option 2 is correct

**Q.69 3) Wednesday**

Solution :

Everyday of the weeks is repeated after 7 days.

94 is divisible by 7.

Hence it will be wednesday after 94 days.

∴ Option 3 is correct.

**Q.70 1) 6 woman are educated and unemployed.**

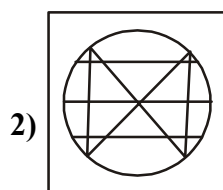
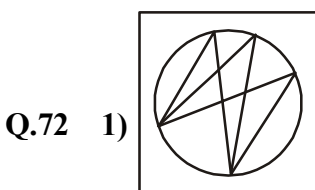
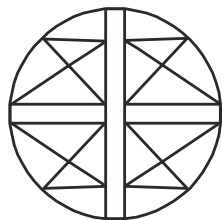
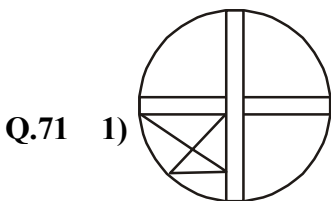
**4) 5 woman are educated and employed.**

Solution :

From options 2 and 3 options are correct options.

Option 1 and 4 are incorrect options as 6 women are educated and employed where as 5 women are educated and unemployed.

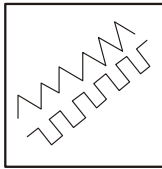
∴ Option 1 and 4 should be chosen as they are incorrect.



Solution :

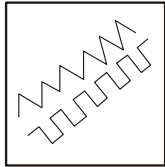
The question fig. is found in option (1) and (2).

Q.73 3)

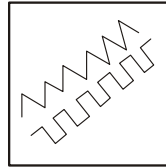


Solution :

As given in question fig



Q. figure



A. figure

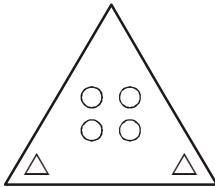
There are 6 folds is this  $\wedge \wedge \wedge$

and 4 folds like  $\sqcup \sqcup \sqcup \sqcup$

Same no. of folds are found in option 3

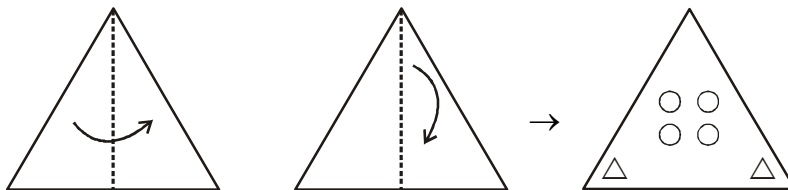
$\therefore$  Option 3 is correct

Q.74 3)



Solution :

As per the paper folding we should get



$\therefore$  Option 3 is correct

Q.75 4) 18

Solution :

The answer is

