MAT PAPER _NTSE STAGE-II (TEST DATE: 19-10-14)

1.	Select the correct nu 214, 265, 367, ?, 724	mber that is missing in the	number series given bel	ow:
	(1) 520	(2) 501	(3) 525	(4) 571
2.	Select the correct alp	phabet number that is miss	sing in the alphabet-numb	er series given below :
	(1) RPA31	(2) PRA30	(3) RPA30	(4) PAR31
3.				means P is the brother of Q.
	(1) A × B – C + D	g means A is the materana (2) D × C – B × A	(3) A × C + B – D	(4) A – C × B + D
4.	Select from the alter correct.	natives two signs which ne	eed to be interchanged to	make the following equation
	$36 \div 12 \times 6 + 9 - 6 =$ (1) – and ×	38 (2) ÷ and ×	(3) – and +	(4) ÷ and +
	• •	,	1	(6
5.		in code, '=' means '>', '_' c, then which of the followi		'_'. If a, b and c are positive
	(1) $b = a + c$	(2) ac = b^2		(4) $ab = c^2$
6.	_	p of letters in place of '?' in	n the following series.	
	FNHLJ, WOUQS, BI (1) N B K E H	(2) N V P T R	(3) N F L H J	(4) N D R Z V
Direction		each of the following questing. Find the missing numbe		s in which numbers are written among the alternatives.
	8 5	2 12	10 8	
	44	54	80	
	3 9	4 3	6 ?	
7.	(1) 13	(2) 14	(3) 12	(4) 18
1	7 5	5 6	9 ?	
/	42	24	81	
	42	24	01/	
	12	8	6	
8.	(1) 14	(2) 16	(3) 15	(4) 11
9.	Two faces of a cube	are given below, which nu	mber will be opposite 3?	
	6	5		
	$\begin{bmatrix} 2 \\ 3 \end{bmatrix}$	$\begin{bmatrix} 1 \\ 6 \end{bmatrix}$		
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	(1) 1	(2) 5	(3) 4	(4) 2

Directions (Questions 10-11): Each of the following questions has a problem followed by a few numbered statements. Decide which of the statements are sufficient for answering the problem and choose your answer from the alternatives.

10. A, B and C together can complete a work in 'x' days. How many days would B alone take to complete the work?

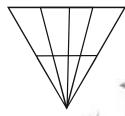
Statements:

- I. C can complete the work in half the number of days taken by A.
- II. B can complete the work in half the number of days taken by A and C together.
- III. A and C taken together can complete the work in 'z' days.
- (1) Both I and II and required

- (2) I alone is sufficient
- (3) II and III taken together are sufficient
- (4) Either II or III is sufficient
- 11. A boat travels in a stream from A to B and then from B to A. What is the speed of the boat in still water

Statements:

- I. The speed of the boat in still water is 2 km/h more than the speed of the current.
- II. The speed of the current is 1 km/h more than the speed of the boat.
- III. Boat covers the distance of y kilometres between A and B both downstream and upstream in x hours.
- (1) All of I, II and III are required
- (2) Both II and III are required
- (3) I and III taken together are sufficient
- (4) Either I and II together or II and III together are sufficient
- 12. How many triangles are there in the following figure?



- (1)20
- (2)18

- (3)22
- (4) 17
- 13. There are two statements given below as premises, which support the conclusion suggested in the answer options. You may select the conclusion that makes the whole argument valid:

 Statements:
 - I. No film actors are Cricketers.
 - II. Some Cricketers are poets.
 - (1) Therefore, some poets are film actors.
- (2) Therefore, some poets are not film actors.
- (3) Therefore, all poets are film actors.
- (4) Therefore, all film actors are poets.
- 14. Find the missing term (?) in the following series
 - 2, 6, 30, 260, ?
 - (1)470
- (2)510

- (3)630
- (4) 3130
- 15. One term in the following number series is wrong. Find out the wrong term.
 - 2, 6, 18, 82, 650
 - (1) 2
- (2) 18

- (3)82
- (4)650

- 16. If RIR is coded as IRI then MUM is coded as
 - (1) NFN
- (2) UMU
- (3) UNU
- (4) MFM

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17. if FAST is coded as 798 and LAST is coded as 906 then BUSY is coded as

	(A) Gopal is shorter th(B) Navin is shorter th(C) Jayesh is taller that(D) Ashok is taller thanWho among them is th	ın Navin ı Jayesh	nal	33
	(1) Gopal	(2) Ashok	(3) Kunal	(4) Navin
20.	is businessman. An a businessman. The stu the advocate is at whice (1) 1st	advocate is standing to the dent is standing between the ch place. (2) 2 nd	e right of a student. An e professor and the advo	s is a professor and the other author is to the left of the ocate. Counting from the left, (4) 5 th
	English in Column I as order as letters in Column	Greek letters in Column II.	Greek letters in Column and choose the correct	the words in capital letters in II do not appear in the same of code for the word given in
	Column I (स्तंभ-I)	Column II (स्तंभ-II)	-1	
	CLEAR	γβωπθ	(11)	
	VIEW	νεγδ		
	TURN	ηρπσ		
	BUTTER	σρασπγ		
	OILY	δλθμ		
	WRITE	γπονδ		
	VOWEL	νλεγθ		
	- 1	3		
21.	LIVER	(2) 3 0	(0)	(4) 03
9	(1) νηλμπ	(2) δγθπε	(3) ρσωεν	(4) αβδγη
22.	TROUBLE	V		
1	(1) ναβδγηλ	(2) νσωδγθε	(3) δγηλωεν	(4) σλρπαγθ
00	DDOWN			
23.	BROWN (1) ωενλω	(2) ωδπρν	(3) απλην	(4) πρβνε
	(1) 6507765	(=) wonp v	(0) 3,5,5,1	(1) 1000
24.	CYCLE			
	(1) βθγμβ	(2) βμβνπ	(3) πρπεω	(4) πλβνπ
Direction	different profession-L Pharmacist. There are Each of them has a di engineer, earns less the	awyer, Chartered Accounta three female members. No fferent monthly income. The	ant (CA), Engineer, Tea o lady is either Pharmaci e Chartered Accountant acher earns more than	family. Each of them has a acher, Doctor, Architect and ist or Chartered Accountant. (CA) earns the most. S, the P and less than S. W's wife and more than only Q. The

Six students A, B, C,D, E and F are in a class, A and B are from Town and C, D, E and F are from village. D and F are studious while others are casual. A, C, D are girls and B, E, F are boys. Who is the studious

Read the following information carefully and answer the questions given below it.

(3) E

(4) F

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18.

19.

girl from village?

(2) D

pharmacist's income is not the lowest.

(1) C

(3) Engineer, Pharmacist (4) Chartered Accountant, Engineer 26. Which of the following statements is false? (1) The Architect earns more than the Lawyer (2) The Teacher earns less than the Engineer (3) The Doctor earns more than the Engineer (4) The Pharmacist earns more than the Lawyer 27. What is P's profession? (1) Pharmacist (2) Lawyer (3) Teacher (4) None of the above 28. Which of the following represents the three female members of the family? (1) PTQ (2) TRQ (3) VTQ (4) Data inadequate 29. Which of the following Venn diagram correctly represents Ocean, Indian Ocean Pacific Ocean and Mariana Trench? If RAJASTHAN = 9R17J8L19H13 in a coded language, then what is the encrypted form of the 30. MANIPUR in the same language? (2) 13M14W11B9 (3) 13R14J11F9 (1) 14R13H11G9 (4) 14M13V11J9 What is the next number in the series 7, 23, 55, 109, ... 31. (2)189(3) 191(4)20932. Find out the missing number in the second figure on the basis of numbers arranged in the first figure.

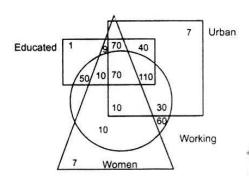
Which of the following pairs of professional represents the professions of hushand and wife?

(2) Chartered Accountant, Architect

25.

(1) Pharmacist, Architect

Direction (Questions 33-37): In the Venn diagram given below, sample data of a small town having total population of 500, the square represents persons form urban areas, the triangle represents women, the circle represents persons who are working and the rectangle represents the persons who are educated. Number given are number of persons.



- 33. If urban population is 350 find out the non educated non working urban females?
 - (1) 13
- (2) 10

- (3)9
- (4)20
- 34. Find out the urban males who are educated but not working.
 - (1) 110
- (2)40

- (3) 30
- (4)7
- 35. If rural population is 150, how many non working rural males who are not educated?
 - (1)5
- (2) 1

- (3)6
- (4) 3

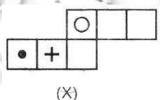
- 36. Find out total non-working females but educated
 - (1)80
- (2)79

- (3)51
- (4) 19

- 37. Find out the total rural male population?
 - (1) 111
- (2) 187

- (3)180
- (4) 114

- Crime: Police:: Flood:? 38.
 - (1) Dam
- (2) River
- (3) Rain
- (4) Reservoir
- 39. When the given sheet of paper (X) is folded to make a cube, choose the cube that may be formed.





(1)



(2)



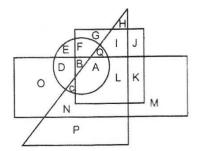
(3)



(4)

-) 1 only
- (2) 1,2 and 3 only
- (3) 2 and 3 only
- (4) 1, 2, 3 and 4

40. In the following diagram, there are four inter locked figures of a circle, a square, a triangle and a rectangle representing number of students passing in English, Maths, Science and Hindi, respectively. Different regions of the diagrams are also lattered form A through Q.



Now consider the following statements:

statements:

- I. There is no letter that represents a student who passed in all the four subjects.
- II. There are only two letters that represent a student who passes on three subject only.

Which of the above statements is/are correct?

- (1) I only
- (2) II only
- (3) Both I and II
- (4) Neither I and II

41. What is 'X' in the following table?

7	2	19	3	5	
6	4	X	3	5	
8	5	24	7	4	

- (1) 16
- (2) 17

- (3)18
- (4) 21

42. Consider the question and two statements that follow:

What is the total cost of one pen, and one pencil and 1 note book? Statements:

- I. The total cost of 5 pen, 6 pencils and 7 note books is Rs. 178
- II. The total cost of 6 pens, 4 pencils and 2 note books, is Rs. 124

Which one of the following is correct?

- (1) Statement I alone is sufficient to answer the quaetion
- (2) Statement II alone is sufficient to answer the question
- (3) Statement I and II together are sufficient to answer the question
- (4) Both statements are not sufficient to answer the question
- 43. Which one of the following differs the rest?
 - (1) MGDLFC
- (2) JQVIPU
- (3) ZUBXTA
- (4) DYSCXR

44. Which one of the following fits inside the bracket?

714 () 65 if 953 (RVXYS)28

- (1) UWZSR
- (2) UWZRS
- (3) TZWVU
- (4) TZWUV
- 45. If 'X' was born on December 6, 1983 and 'Y' on February 4, 1984, then when will 'Y' be half in age as compared ot 'X'?
 - (1) April 4, 1984
- (2) April 5, 1984
- (3) April 6, 1984
- (4) April 8, 1984

- 46. Famine : Hunger : : War :
 - (1) Enmity
- (2) Insecurity
- (3) Destruction
- (4) Infantry

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47.	in the middle, which of Statements: I. P is left of Q and right II. R is at the right end.		ven in t					
	(1) I only	(2) II only		ither I o	or II	(4	4) Both I and	II
48.		are left in the following serie sequence, will complete the ab			e grou	p of let	tters given be	low, if put
	(1) bbaabbb		(3) a	baaaba	a	(4	4) aaaaaaa	(1)
49.	If the letters of the word 'UBLE'?	d 'BLUE' are arranged acco	rding to	dictio	nary, w	∕hat is t	the position o	f the word
	(1) 19	(2) 20	(3) 2	1	4	14(4) 22	
50.	All except one does no	ot belong to the same group.	Which	one is	that?			
	(1) + ^ ^		(2)	&	*	*		
	0 + ^	/		#	#	&	1	

(3)

@

@

ANSWER KEY

Ques.	1	2	3	4	9	9	2	8	6	10	11	12	13	14	15
Ans.	1	3	1	4	1	1	1	3	1	4	3	1	2	4	3
Ques.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	2	2	2	2	3	2	4	3	1	2	1	1	4	3	4
Ques.	31	32	33	34	32	36	37	38	39	40	41	42	43	44	45
Ans.	3	2	Ţ	2	4	2	1	1	4	4	3	4	3	4	-
Ques.	46	47	48	49	20			e e				www.e	xamra	www.examrace.com	E
Ans.	3	4	4	2	4										