



GUIDELINES FOR THE CANDIDATE

Total Questions : 35 | Time: 1 hr.

- 1. Please check your Name, Class and Section on the OMR sheet provided to you. In case, OMR sheet with your name is missing, please fill in information about yourself in the blank OMR sheet provided before start of exam.
- 2. Please fill in your **Mobile Number** clearly on the OMR Sheet and do not forget to sign it. We will share your marks / result and other information related to SOF exams on your mobile number.
- 3. The Question Paper comprises four sections:

Nama

Logical Reasoning (10 Questions), Mathematical Reasoning (10 Questions), Everyday Mathematics (10 Questions) and Achievers Section (5 Questions)

Each question in Achievers Section carries 2 marks, whereas all other questions carry one mark each.

- 4. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
- 5. There is only ONE correct answer. Choose only ONE option for an answer.
- 6. To mark your choice of answers by darkening the circles on the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only. E.g.

Q.16: Sonia had 80 sweets. She gave 15 sweets to Danish and 15 sweets to Megha. How many sweets are left with her?

A. 50 B. 30 C. 60 D. 40

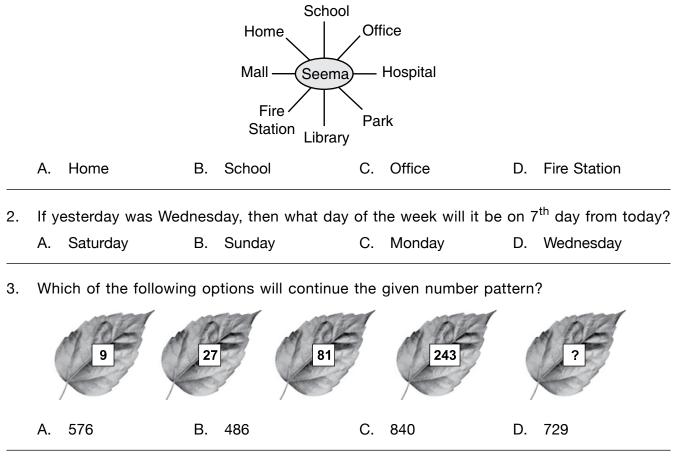
As the correct answer is option A, you must darken the circle corresponding to option A on the OMR Sheet.



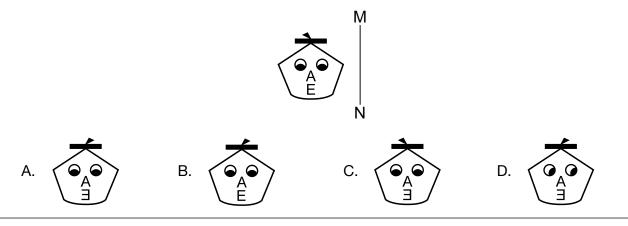
- 7. Rough work should be done in the blank space provided in the booklet.
- 8. Return the OMR Sheet to the invigilator at the end of the exam.
- 9. Please fill in your personal details in the space provided on this page before attempting the paper.

Name		
Section:	SOF Olympiad Roll No.:	Contact No.:

1. Seema was facing the Hospital. She made a $\frac{5}{8}$ turn clockwise. Where would she be facing?



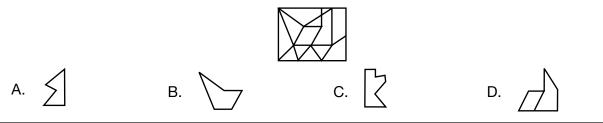
4. Select the correct mirror image of the given figure, if mirror is placed along MN.



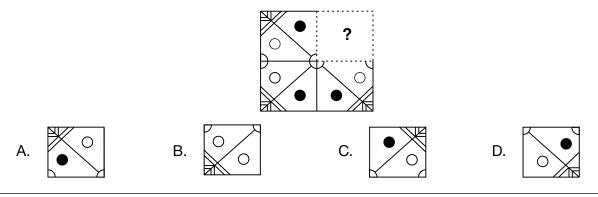
5. In a certain code language, 'ROAD' is written as 'ADOR'. How will 'SWAN' be written in the same language?

A. NAWS B. ASWN C. WASN D. ANWS

6. Which of the following options is exactly embedded in the given figure as one of its parts?



7. Which of the following options will complete the given figure pattern?



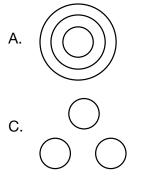
8. Select the combination of numbers so that letters are arranged accordingly to form a meaningful English word.

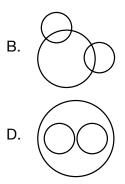
		Ε	0	Ν	S	D	С
		1	2	3	4	5	6
Α.	3, 2, 5, 4, 1, 6					В.	3, 2, 5, 4, 6, 1
C.	4, 5, 3, 6, 2, 1					D.	4, 1, 6, 2, 3, 5

9. Find the missing number, if a certain rule is followed either row-wise or column-wise.

				48	91	?			
				6	13	12			
				8	7	15			
Α.	160	В.	140		C.	18	0	D.	190

10. Which one of the following Venn diagrams best represents the relationship amongst, "Dogs, Cats and Rats" ?

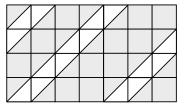




11. Identify the number from the clues given below.

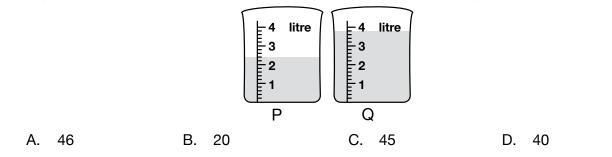
			000	I am a 4-digit number. I am an odd number. My thousands place of place digit. The difference betwee tens place digit is 2.	digit			
	A.	8497	В.	6835	C.	4867	D.	8369
12.				between the place s place is		ues of the digit a	at te	en thousands place
	Α.	2500	В.	67000	C.	70500	D.	69500
13.	Wh	ich of the followi	ng is	CORRECT?				
	A.	$\frac{1}{8} < \frac{1}{13}$	В.	$\frac{4}{23} > \frac{7}{23}$	C.	$\frac{7}{9} > \frac{7}{9}$	D.	$\frac{1}{100} < \frac{1}{2}$
14.	The	e Hindu-Arabic nu	umer	al for the number [DX is	S		
		110		210		510	D.	410
15.	Find	d the missing nu	mbei	·.				
	Α.	2						584 ×□8
	В.	3						4672
	C.	4						+ 1 7 5 2 0
	D.	5						22192
16.	896	$3 \times 4 = 3$ thousan	nds :	5 hundreds	te	ns and 4 ones.		
	Α.	5	В.	8	C.	50	D.	80

17. What fraction of the given figure is shaded?



	A.	$\frac{4}{7}$	В.	5 7	C.	$\frac{3}{7}$	D.	<u>6</u> 7
18.	The	e expanded form	of 42	2796 is				
	Α.	40000 + 2000 +	70 +	96	В.	40000 + 2000 + 7	00 -	+ 96
	C.	40000 + 2000 +	700 -	+ 90 + 6	D.	42000 + 700 + 90	+ 6	3

19. Two beakers each containing some amount of water are shown. How many glasses of capacity 155 mL each can be filled completely from the total quantity of water shown?



20. Arrange the following numbers in descending order.

18805, 15885, 18058, 18588, 18855

- 18805, 15885, 18058, 18855, 18588 Α. B. 18588, 18855, 18805, 18058, 15885 C.
 - 18805, 18855, 18588, 15885, 18058 D. 18855, 18805, 18588, 18058, 15885

EVERYDAY MATHEMATICS

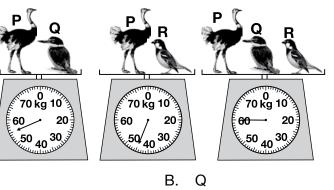
21.	 A milk man supplies 50 L of milk everyday. On a particular day, the supply wa 31 L 250 mL. The quantity of milk supplied on a particular day was less that everyday supply. 							
	Α.	18 L 750 mL	В.	81 L 750 mL	C.	18 L 740 mL	D.	80 L 740 mL
22.		doll costs ₹ 428 r w much does the		-	. If tł	ne cost of the te	ddy l	bear is ₹1290, then
	Α.	₹ 1718	В.	₹ 1780	C.	₹ 1700	D.	₹ 1500
23.		d bought 3 more	-	-				ore on her birthday oks does she have
	A.	38	В.	40	C.	36	D.	28
24.				sweets. Each box o lg contains 7 swee				packs them equally he use?
	Α.	130	В.	152	C.	147	D.	124

	A.	490 kg	В.	290 kg	C.	400 kg	D.	980 kg
26.		•••	-		-			leeta puts the eggs
		-		n at what time she 1:12 p.m.			-	1.24 p m
	<i>,</i>	p		··· p·····			5.	<u> </u>
27.				are kept into 6 ba are there in 2 suc	-		nber c	of balls in each bag
	Α.	9	В.	108	C.	18	D.	12
28.	Sar	meer bought $3\frac{5}{12}$	kg of	f wheat flour. He b	ough	t $\frac{1}{2}$ kg more qu	antity	of wheat flour that
28.	Rol	nit. How much qu	antity	y of wheat flour die	d Rol	nit buy?	antity	of wheat flour thar
28.	Rol	nit. How much qu	antity	y of wheat flour die	d Rol	-		of wheat flour thar 9 kg
	Rol A. An	nit. How much qu 2 <u>11</u> kg orchard owner bo	antity B. ought	y of wheat flour die 8 <u>5</u> kg	d Rol C. Ie de	hit buy? $1\frac{1}{6}$ kg	D. I5 tree	
	Rol A. An ma	nit. How much qu 2 <u>11</u> kg orchard owner bo	antity B. ought	y of wheat flour did 8 <u>5</u> kg 458 apple trees. H anted? How many	d Rol C. Ie de trees	hit buy? $1\frac{1}{6}$ kg	D. I5 tree	9 kg

A. 135 B. 176 C. 105 D. 140

ACHIEVERS SECTION

31. Which is the heaviest bird?



A. PC. R

D. Can't be determined

32. If X + Y	$+$ Z = $\frac{3}{4}$, X +	$Y = \frac{1}{3}$ and	$Z - X = \frac{1}{4}$, then what
is the value of	X ?		
A. $\frac{1}{12}$	B. $\frac{1}{6}$	C. $\frac{2}{13}$	D. $\frac{1}{8}$
33. Saniav is think	ing of a 5-digit even r	umber PQRST. P is 3	more than the smallest odd

33. Sanjay is thinking of a 5-digit even number PQRSI. P is 3 more than the smallest odd number. Q is a common factor of 2 and 11. R is the product of the first 2 digits of the number. The sum of S and T is 9. T is a multiple of 3. What is the number Sanjay is thinking of?

A. 41436	B. 41463	C. 61636	D. 61663
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34. How many candies must Kavita give to Rekha so that they will have the same number of candies?

