SYMBIOSIS NATIONAL APTITUDE TEST (SNAP)

SOLVED PAPER - 2024

Held On: December 2024

Memory Based

44. Earthquake happened in the ocean. Due to earthquake,

(b) Damage House, Tsunami Wave, Property loss

(a) Death, Tsunami Wave, Property loss

(d) Tectonic Moment, Death, Earthquake

(c) Casualties, Prop Loss, Death

the effects

Tsunami waves occurred. Due to the Tsunami there were

192 death and losses of 7 million USD of property. Identify

	ANALYTICAL & LOGI	CAL REASONING	45.			e L. A	III H are w. Some w are M	
36.	If 2nd October is Monday th	hen which day of the week is		Con	iclusions.			
30.	2 nd November?	ien which day of the week is		I.	All M are W			
		Tuesday		II.	Some H are L			
		•		III.				
25		Wednesday		. ,	None of the stater	nents		
37.		ere caught in a case of robbery.		(b)	I & III			
	All three of them gave one statement each and it is known			(c)	OnlyIII			
	that only one of them is telling the truth.			(d)	OnlyI			
	M: I am innocent		46.	Ang	gle between two har	ıds a 5	5:55 PM is:	
	B: I am innocent			(a)	150°	(b)	152.5°	
	V : B is involved in the robb	-		(c)	155.5°	(d)	125.5°	
	Find out who was involved	-	47.			is Sun	day, then what was 8th July,	
	(a) M (b)	В	• • • •	200			au, area waa was sar sary,	
	.,	Cannot be determined			Tuesday	(b)	Thursday	
38.	_	onday at 3:00 AM but it gains			-		•	
	2 minutes per hour. Find th	e time in the clock when the	40		Friday	(d)	Saturday	
	actual time is 7:30 PM on Tuesday.			8. A cuckoo at regular time intervals. It takes 10 seconds to				
	(a) 8:48 PM (b)	8:45 PM				many	seconds will it take to strike	
	(c) 8:51 PM (d)	9:10PM			0 o'clock?			
39.	Find the missing code:				10 seconds			
	L1#1O2~2, J2#2Q3~3,	, F4#4U5~5, D5#5W6~6		(b)	15 seconds			
	(a) H3#314~4 (b)	None of these		(c)	16.7 seconds			
	(c) H3#3H4~4 (d)	E3#3V4~4		(d)	16 seconds			
40.	A introduces B as "She is the wife of the grandson of		DIR	ECT	TONS (Os. 49-50)	· Stuc	ly the following information	
	father of my father". What is the relationship of B with A?				to answer the ques			
	(a) Sister-in-law (b)	Daughter	_					
	(c) Sister (d)	Mother					mila, Raghu and Sumit. Sumit	
41.	Narmada Bachao Andolan : Medha Patkar : : Bhudan			married Roma, the eldest daughter of Mr. And Mrs. Mohan. The				
	Andolan : ?			Mohans married their youngest daughter to the eldest son of				
	(a) Vinoba Bhave (b)	Kailash Satyarthi	Mr.	and N	Mrs. Sharma and th	ey ha	d two children Sandeep and	
		Jawahar Lal Nehru	Shai	fali. T	The Mohans have two	omore	children, Roshan and Bimla,	
42.	Find the correct number that will complete the given series:		both elder to Sheila. Sohan and Shivendar are sons of Sumit and					
	14, 26, 36, 44, 50, 56		Rom	ıa. Le	ela is the daughter	of San	deep.	
	(a) 54 (b)	None	49.	Hov	v is Mrs. Mohan rel	ated to	o Sumit ?	
	(c) 48 (d)	52		(a)	Aunt			
43.	1.7	nade it Compulsory to mark		(b)	Mother-in-law			
	online attendance using facial recognition software -			(c)	Mother			
	Notice in an office.							
	Assumptions:			(d)				
	Notice will be read		50.		at is the surname of	Soha	n?	
	Online attendance will benefit the company			(a)				
		only 2			Mohan			
		both		(c)	Mishra			

(d) Raghu

(a) 10 metres

(c) 50 metres

Raj travelled from a point X straight to Y at a distance of 80

metres. He turned right and walked 50 metres, then again

turned right and walked 70 metres. Finally, he turned right

and walked 50 metres. How far is he from the starting point

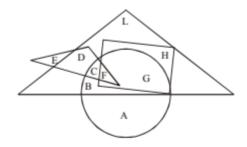
(b) 20 metres

(d) 70 metres

DIRECTIONS (Qs. 52-53): Read the following information carefully and answer the questions that follow:

- (i) There is a group of five friends.
- (ii) Keshav is second in height but younger than Rekha.
- (iii) Parul is taller than Megha but younger in age.
- (iv) Rekha and Megha are of the same age but Rekha is tallest between them.
- (v) Nikku is taller than Parul and elder to Rekha.
- 52. If they are arranged in descending order of their ages, who will be in the third position?
 - (a) Parul
 - (b) Keshav
 - (c) Nikku
 - (d) None of these
- 53. If they are arranged in ascending order of their height, who will be in the fourth position?
 - (a) Nikku
 - (b) Parul
 - (c) Rekha
 - (d) Keshav
- 54. If it is possible to make a meaningful word with the second, the fifth and the eighth letters of the word 'CARETAKER', which of the following will be the first letter of that word? If no such word can be made, give X as answer. If more than one such word can be made, give M as the answer.
 - (a) A
- (b) E
- (c) X
- (d) M

DIRECTIONS (Qs. 55-56): In the following figure, the smaller triangle represents teachers; the big triangle represents politicians; circle represents graduates and rectangle represents members of Parliament. Different regions are being represented by letters of English alphabet.



On the basis of the above diagram, answer the following questions:

- 55. Which among the following regions represent the graduates or teachers but not politicians?
 - (a) B,G
- (b) G,H
- (c) A, E
- (d) E, F
- 56. Which among the following regions represent the graduate politicians but not the members of Parliament?
 - (a) B, C
- (b) L, B
- (c) D, L
- (d) A, H, L
- If 'All sweet things are fluids' and 'Some fluids are coloured things', then it implies -
 - A. Some sweet things are coloured things
 - B. Some sweet things are fluids
 - C. All fluids are sweet things
 - D. Some fluids are sweet things

Choose the most appropriate answer from the options given below:

- (a) A, B and C only
- (b) A, and C only
- (c) B, C and D only
- (d) A, C and D only
- 58. There are four Trees Lemon, Coconut, Mango and Neem each at a different corner of a rectangular plot. A well is located at one corner and a cabin at another corner. Lemon and Coconut trees are on either side of the gate, which is located at the centre of side, opposite to the side, extremes of which the well and cabin are located. The mango tree is not at the corner where the cabin is located.

Which of the following pairs can be diagonally opposite to each other in the plot?

- (a) Cabin and Neem tree
- (b) Coconut tree and Lemon tree
- (c) Mango tree and Well
- (d) Neem tree and Lemon tree
- Find the mission Letter/number B2CD, DE3F,, H5IJ, J6KL
 - (a) D3GH
- (b) G3HI
- (c) FGH4
- (d) FG4H
- Select the combination of numbers so that letters arranged accordingly will form a meaningful word.
 - RACET
 - 1 2 3 4 5
 - (a) 1, 2, 3, 4, 5
- (b) 3, 2, 1, 4, 5
- (c) 5, 2, 3, 4, 1
- (d) 5, 1, 2, 3, 4

ANSWERS WITH EXPLANATIONS

2nd November →?

Total number of odd days from 2nd october to 2nd

Month → October + November

Odd days
$$\to 29 + 2 = \frac{31}{7} = 3$$
 days

37. (a) CASEI

If M is telling the truth, then

 $M \rightarrow (true), B \rightarrow (wrong), V \rightarrow (right) [Not possible]$

CASEII

If B is telling the truth then,

$$B \rightarrow (true), M \rightarrow (false), V \rightarrow (false)$$

CASE III

If V is telling the truth

 $V \rightarrow (true), M \rightarrow (true), B \rightarrow (wrong)$ [Not possible]

Hence, in case II, M is involved in the Robbery.

38. (c) Time on Monday in the clock - 3:00 AM

From 3:00 Am on Monday to 7:30 PM on

Tuesday, total number of hours gains

$$= 24 + 16.5 = 40.5$$
 hours

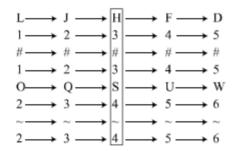
total time gains = 40.5×2 minutes

= 81 minutes = 1 hour 21 minutes

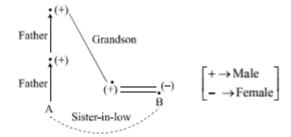
7 hours 30 minutes (PM)

Required time = 1 hours 21 minutes

- = 8 hours 51 minutes
- =8:51 PM
- (b) Pattern of the series as follows,



40. (a) According to the question,

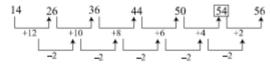


So, B is the sister-in-low of A.

 (a) As, 'Narmada Bachao' Andolan was initiated by 'Medha Patkar'.

Similarly, 'Bhudan Andolan' was initiated by 'Vinoba Bhava'.

42. (a) Pattern of the series is as shown below



 (d) Assumption I: for the company to implement a new policy effectively, it is always assumed that the notice will be read by employees.

Hence, this assumption is implicit the statement

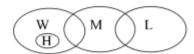
Assumption II: By implementing facial recognition it assumed that the company system will improve effeciency, security and reduce fraud.

So, this assumption is also implicit the statement.

Hence, both the assumption will implicit the statement

 (c) According to the statement, due to Earthquake there was Tsunami and due to Tsunami there were death and property loss. So, the effects of this incident were, casualties, property loss and Death.

 (b) According to the statements, Venn diagrams are as follows,



Conclusion I (√) II (×) III (√)

Hence, only conclusion I and III follows.

46. (b) Give time → 5:55 PM Here, Hour = 5, minutes = 55

Angle =
$$\left| \frac{11}{2} \times \text{minutes} - 30 \times \text{Hour} \right|^{6}$$

= $\left| \frac{11}{2} \times 55 - 30 \times 5 \right|^{6}$
= $\left| 302.5 - 150 \right|^{6} = 152.50$

(b) 19 December 2007 — Sunday
 8th July 2007 — ?

Total number of odd days from 8th July 2007 to 19 December 2007

Months \rightarrow July + August + Sep. + Oct. + Nov.+ Dec. odd days \rightarrow 2 + 3 + 2 + 3 + 2 + 5

$$=\frac{17}{7}=3$$
 days.

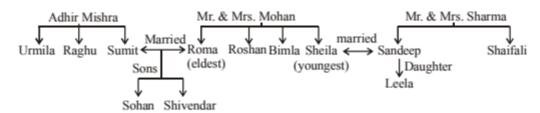
= 16.7 seconds

- ∴ Required day = Sunday 3 = Thursday
- (c) Number of strikes by cuckoo at 6' O clock = 6
 Time taken to strike at 6' O clock = 10 seconds

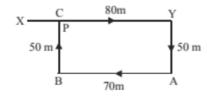
Time per strike = $\frac{10}{6}$ ~ 1.67 sec per strike

∴ Time taken to cuckoo at 10' O clock = 1.67 × 10 seconds

Sol. (49-50): Family Tree



- (b) Sumit's mother-in-law = Mrs. Mohan.
- (c) As, Sohan is son of Sumit and Sumit is son of Adhir Mishra. So, surname of Sohan is Mishra.
- (a) The movements of Raj are as shown n fig (X to Y, Y to A, A to B, B to C).



.. Raj's distance from the starting point

$$=XC = (XY - YC) = (XY - BA)$$

=(80-70) m = 10 m.

Sol. (52-53): Descending order of their ages and heights is as given below:

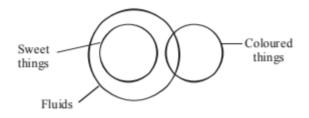
Age Nikku > Rekha = Megha > Parul > Keshav

or Nikku > Rekha = Megha > Keshav > Parul

Height Rekha > Keshav > Nikku > Parul > Megha.

- 52. (d) Either Rekha or Megha will be in the third position.
- 53. (d) Keshav will be the fourth position.
- (d) The second, fifth and eighth letters of the word CARETAKER are A, T and E respectively. The words formed are EAT, ATE and TEA.
- (c) The persons satisfying the given conditions are denoted by regions which lie inside the smaller triangle or the circle but outside the bigger triangle i.e. A and E.

- 56. (a) The person satisfying the given conditions are 58. (d) The following arrangement is possible. represented by regions which are common to the bigger triangle and the circle but lies outside the rectangle i.e. B and C.
- 57. (c)



So, some fluids are sweet things and some sweet things are flaids.

(Cabin,)	(well,
(Neem)	(mango)
Coconut	Lemon

Neem tree and Lemon tree can be seen that diagonally a opposite to each other in the plot.

59. (b) ITNIETAM → INTIMATE

using given alphabet a logical word is created Similarly

TREVNIETARBI → INVERTIBRATE

H5IJ,J6KL B2CD, DE3F,

60. (d) Clearly, the given letters, when arranged in the order 5, 1, 2, 3, 4 from the word 'TRACE'.