

CS3101 – Computational Thinking

Ex 6

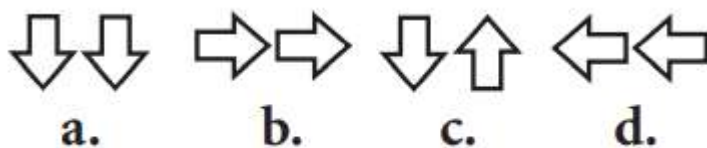
Date: 20-10-2023

Logical Reasoning and Puzzle Solving

Solve the Following

1. Look at this series: 58, 52, 46, 40, 34, . . . What number should come next?
a. 26 b. 28 c. 30 d. 32
2. Look at this series: 1.5, 2.3, 3.1, 3.9, . . . What number should come next?
a. 4.2 b. 4.4 c. 4.7 d. 5.1
3. 28 25 5 21 18 5 14
a. 11 5 b. 10 7 c. 11 8 d. 5 10 e. 10 5
4. 13 29 15 26 17 23 19
a. 21 23 b. 20 21 c. 20 17 d. 25 27 e. 22 20
5. Look at this series: 664, 332, 340, 170, __, 89,... What number should fill the blank?
a. 85 b. 97 c. 109 d. 178
6. Look at this series: U32, V29, __, X23, Y20, . . . What number should fill the blank?
A . W26 b. W17 c. Z17 d. Z26
7. DEF DEF2 DE2F2 _____ D2E2F3
a. DEF3 b. D3EF3 c. D2E3F d. D2E2F2
8. ZA5 Y4B XC6 W3D _____
a. E7V
b. V2E
c. VE5
d. VE7

9.



10.

E M E | m m m | E W E | W _ W



a.



b.



c.



d.

11.



a.



b.



c.



d.

12.



a.



b.



c.



d.

13.



a.



b.



c.



d.

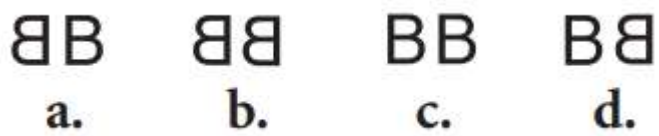
14.



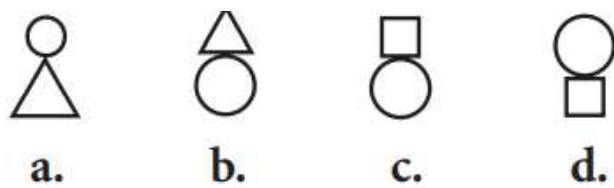
15.



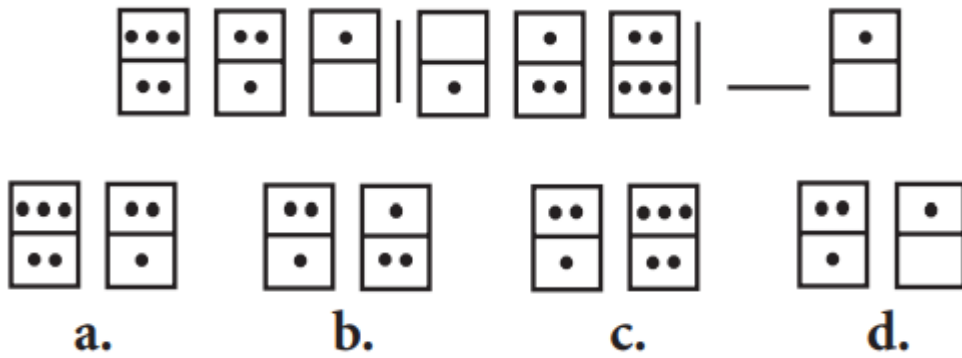
16.



17.



18.



19. Which word does NOT belong with the others?

- a. unimportant
- b. trivial
- c. insignificant
- d. familiar

20. P5QR P4QS P3QT _____ PQV

- a. PQW
- b. PQV2
- c. P2QU
- d. PQ3U

Spot Question:

1. Solve the following Nonogram Puzzle

				2					1	
	5	2	2	2	2	2	1		1	
	1	2	1	4	7	6	3	2	3	1
7	2									
	6									
	1									
	1	2								
	1	3								
	2	1								
		3								
		6								
	1	6								
	7	1								