

INSTITUT UCAC-ICAM

Entrance Examination – August 2021

To be filled by the candidate:

Name: Surname:
Examination center: Seat N°:
Subject:

Reserved for the
Institut
Anonymous N°:
.....

<u>Reserved for the Institut</u> Score:	✓	<u>Reserved for the Institut</u> <i>Anonymous N°:</i>
1ST CYCLE OF TRAINING <u>LOGIC SUBJECT FOR ALL</u>		

TIME ALLOWED: 1H

1. What is the value of the fifth of the sixth of the eleventh of 4290 ? (2 pts)

- a. 12
- b. 13
- c. 14
- d. 15

2. The number $1/10+1/100+1/1000+1/10000$ equals : (2 pts)

- a. 3/1110
- b. 3/10000
- c. 1111/10000
- d. 1111/11110

3. You attend a play. At 8:45 p.m., a quarter of the play was performed. At 8:55 p.m., a third of the play had been performed. At what time will the curtain fall? (2 pts)

- a. 9:45 PM
- b. 10 PM
- c. 10:15 PM
- d. 10:30 PM

4. Find the intruder: (2x 1pts)

1. *India* 2. *France* 3. *Ireland* 4. *Spain* 5. *Country*

1. *Maroua* 2. *Yagoua* 3. *Garoua* 4. *Adamaoua* 5. *Pitua*

5. Complete the following digital suite: (2 pts)

19 23 29 31 37 ? [41]

6. If a is 50% higher than c, and b is 25% higher than c, by how much a is greater than b as a percentage ? (2 pts)

a. 10%

b. 20%

c. 25%

d. 31%

7. All computers are electronic devices. All laptops are computers. If both of these statements are true, what is the most logical conclusion? (2 pts)

a. All computers are laptops.

b. Some laptops are not electronic devices.

c. All laptops are electronic devices

d. None of the above.

e. All of the above.

8. Adeline, Muriel and Diane are three sisters of different ages. Whenever asked for their name, each of them says her own name or says the name of an older sister. On one occasion, when the three of them were asked their names, two of them replied "Adeline". (2 pts)

What is not possible?

a. Diane is the intermediate sister

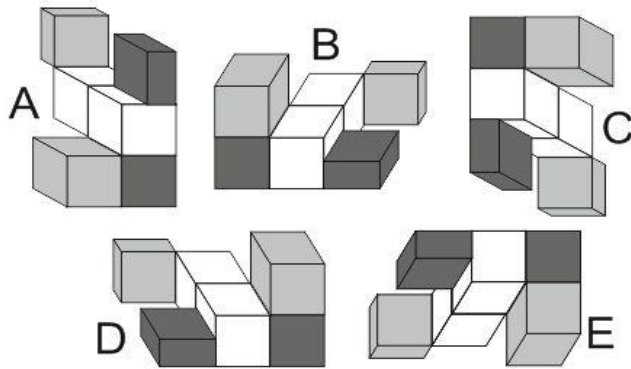
b. Muriel is the older sister.

c. Adeline is the youngest sister.

d. Muriel is the middle sister.

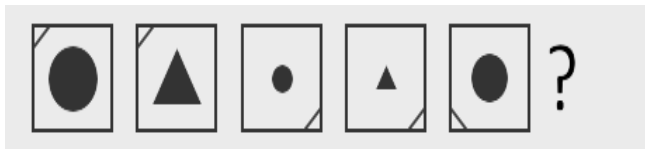
e. None of the above.

9. What construction is different from others ? 2 pts

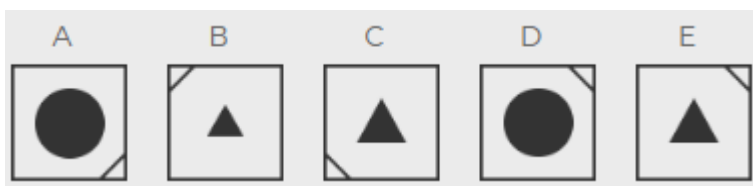


- a. Picture A
- b. Picture B
- c. Picture C
- d. Picture D

10. What form does this sequence complete? (2pts)



Your answer :



- a. Picture A
- b. Picture B
- c. Picture C
- d. Picture D