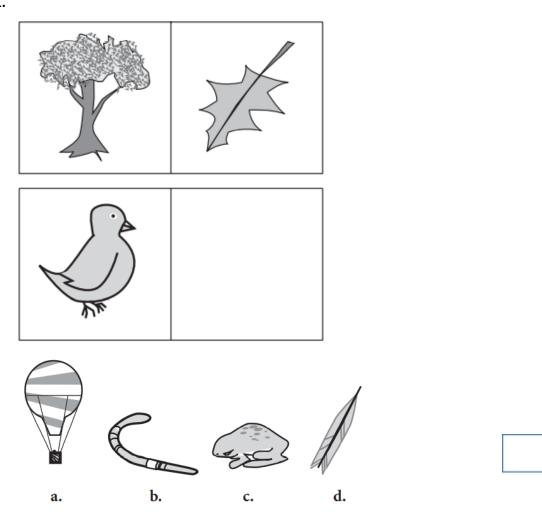
CS6102 – Computational Thinking

Week 6 (Dec 22, 2022)

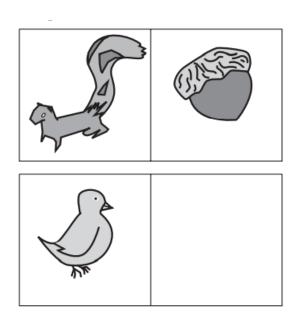
Logical Reasoning_Part 2

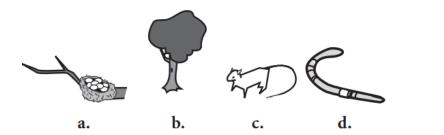
Solve the Following

21.

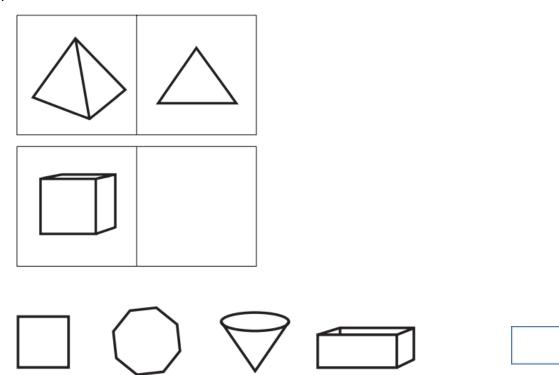


22.





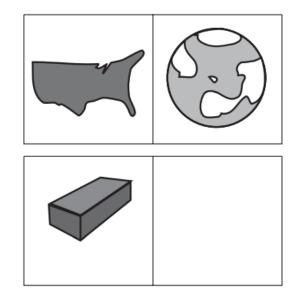
23.



d.

24.

a.







b.



c.



d.

a

Every one of the following questions consists of a related pair of words, followed by five pairs of words labeled a through e. Choose the pair that best represents a similar relationship to the one expressed in the original pair of words. Remember, the best way to approach an analogy question is to make up a sentence that describes the relationship between the first two words. Then, find the pair that has a similar relationship.

| 25. | PET/ | ۱L: | FLC | WER |
|-----|------|-----|-----|------------|
| | | | | |

a. salt : pepper

b. tire: bicycle

c. base: ball

d. sandals: shoes

e. puppy: dog

26. DEPRESSED: SAD

a. neat : considerate

b. towering : cringing

c. rapid: plodding

d. progressive : regressive

e. exhausted: tired

27. ODOMETER: DISTANCE

a. scale : weight

b. length: width

c. inch: foot

d. mileage: speed

e. area: size

28. RAIN: DRIZZLE

a. swim: dive

b. hop: shuffle

c. juggle: bounce

d. walk: run

| | | | • |
|----|-----|---|-----|
| e. | run | : | 102 |

| 29. CONDUCTOR : ORCHESTRA | |
|---------------------------|--|
| a. jockey: mount | |
| b. thrasher: hay | |
| c. driver : tractor | |
| d. skipper : crew | |
| e. painter : house | |
| | |
| 30. COBBLER : SHOE | |
| . jockey : horse | |
| b. contractor : building | |
| c. mason : stone | |
| d. cowboy: boot | |
| e. potter : paint | |

Reasoning Questions

First, you will be given a list of three "nonsense" words and their English word meanings. The question(s) that follow will ask you to reverse the process and translate an English word into the artificial language

For example, if you know that linsmerk means oak tree and linsdennel means oak table, then you know that lins means oak. And, if lins means oak, merk must mean tree, and dennel must mean table. When you discover what a word element means in English, write it down. Then, look for the word elements that appear both on the list and in the answer choices.

31. Here are some words translated from an artificial language.

| moolokarn means blue sky | |
|----------------------------------|--|
| wilkospadi means bicycle race | |
| moolowilko means blue bicycle | |
| Which word could mean "racecar"? | |

- a. wilkozwet
- b. spadiwilko

| 32. Here are some words translated from anartificial language. | |
|---|--|
| dionot means oak tree | |
| blyonot means oak leaf | |
| blycrin means maple leaf | |
| Which word could mean "maple syrup"? | |
| a. blymuth | |
| b. hupponot | |
| | |
| e. patricrin | |
| d. crinweel | |
| | |
| 33. Here are some words translated from an artificial language. | |
| hapllesh means cloudburst | |
| srenchoch means pinball | |
| resbosrench means ninepin | |
| Which word could mean "cloud nine"? | |
| a. leshsrench | |
| b. ochhapl | |
| c. haploch | |
| d. haplresbo | |
| | |
| 34. Here are some words translated from an artificial language. | |
| briftamint means militant | |
| uftonel means occupied | |
| uftonalene means occupation | |
| Which word could mean "occupant"? | |

c. moolobreil

d. spadivolo

| | a. elbritta | |
|-----|---|--|
| | b. uftonamint | |
| | c. elamint | |
| | d. briftalene | |
| | | |
| Sh | ort logic problems | |
| | | |
| 35. | All the tulips in Zoe's garden are white. | |
| | All the pansies in Zoe's garden are yellow. | |
| | All the flowers in Zoe's garden are either white or yellow. | |
| | If the first two statements are true, the third statement is | |
| | a. true. | |
| | b. false. | |
| | c. uncertain. | |
| | | |
| 36. | . All the offices on the 9th floor have wall-to wall carpeting. | |
| | No wall-to-wall carpeting is pink. | |
| | None of the offices on the 9th floor has pink wall-to-wall carpeting. | |
| | If the first two statements are true, the third statement is | |
| | a. true. | |
| | b. false. | |
| | c. uncertain | |
| | | |
| 37 | 7. Class A has a higher enrollment than Class B. | |
| | Class C has a lower enrollment than Class B. | |
| | Class A has a lower enrollment than Class C. | |
| | If the first two statements are true, the third statement is | |
| | a. true. | |
| | b. false. | |
| | c. uncertain. | |
| | | |
| | | |

38. All the trees in the park are flowering trees.

Some of the trees in the park are dogwoods.

| | All dogwoods are flowering trees. | |
|----|--|--|
| | If the first two statements are true, the third statement is | |
| | a. true. | |
| | b. false. | |
| | c. uncertain. | |
| | 39. The temperature on Monday was lower than on Tuesday. | |
| | The temperature on Wednesday was lower than on Tuesday. | |
| | The temperature on Monday was higher than on Wednesday. | |
| | If the first two statements are true, the third statement is | |
| | a. true. | |
| | b. false. | |
| | c. uncertain. | |
| | | |
| 40 | A fruit basket contains more apples than lemons. | |
| | There are more lemons in the basket than there are oranges. | |
| | The basket contains more apples than oranges. | |
| | If the first two statements are true, the third statement is | |
| | | |
| | a. true. | |
| | b. false. | |
| | c. uncertain. | |
| | | |
| | | |