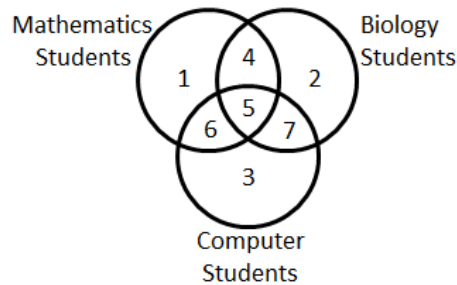# UNICUS OLYMPIADS

Sample Paper

(2020-21)

Class 11

Unicus Critical Thinking Olympiad

Section – Class* *Syllabus covered	Total Questions	Marks per Questions	Total Questions
Classic Section – Class 10	28	1	28
Classic Section – Class 9	12	1	12
Scholar Section – Class 10	7	2	14
Scholar Section – Class 9	3	2	6
Grand Total	**50**		**60**

1. Identify the region that represents students who study Biology and computer but not Mathematics:

a) 6

b) 2

c) 7

d) 4

Correct Answer: c   *1 Mark*

2. Read the following information to answer the question that follows:

Seven people A, B, C, D, E, F and G are planning to enjoy boating. There are only two boats and the following are

I.   A will go in the same boat in which E is to go.
II   F cannot go in the boat in which C is unless D is also accompanying.
III. Neither B nor C can be given the boat in which G is.
IV. The maximum number of persons in one boat can be four only.

If E gets boat with F, Which of the following is the complete and accurate list of the people who must be sitting in other boat

a) F and E

b) G and A

c) D and A

d) C, D and B

Correct Answer: d   *1 Mark*

3. If in a certain code language, 'RAM' is written as 'QSZBLN', 'LOVE' is written as 'KMNPUWDF', then how will 'ACT' be written in that language?

a) ZBBDSU

b) ZBBDUS

c) ZBDBSU

d) ZDSUBB

Correct Answer: a   *1 Mark*

4. Six faces of a cube are painted as below:

(i) Red opposite to black.
(ii) Green in between red and black.
(iii) Blue Adjacent to white.
(iv) Brown adjacent to blue.
(v) Bottom face with red.

Find the colour opposite to brown.

a) White   b) Red
c) Green   d) Blue

Correct Answer: a   *1 Mark*

---

5. Answer the question based on the following arrangement?

R 4 P I J M Q 3 % T @ © U K 5 V 1 W $ Y 2 B E 6 # 9 D H 8 G * Z N

Three of the following four are alike in a certain way based on their positions in the given arrangement and so from a group. Which is the one that does not belong to that group?

a) BE6   b) #ZG
c) @©U   d) 9DH

Correct Answer: b   *1 Mark*

---

6. Study the following information carefully and answer the question that below.
(i) 'A $ B' means 'A is mother of B'.
(ii) 'A # B' means 'A is the father of B'.
(iii) 'A @ B' means 'A is the husband of B'.
(iv) 'A % B' means 'A is the daughter of B':

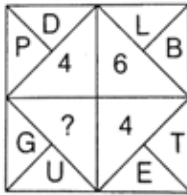Which of the following expression represents the relationship 'H is the brother of N'?

a) N % F @ D $ H   b) N % F @ D % H
c) N % F @ D $ H # R   d) H # R $ D $ N

Correct Answer: c   *1 Mark*

7. Determine the term that would come in place of the question mark:

a) 4

b) 6

c) 2

d) 3

Correct Answer: d *1 Mark*

---

8. While facing East you turn to your left and walk 10 yards. Then, turns to your left and walk 10 yards and now turn 45° to your right and go straight to cover 50 yards. Now, in what direction are you with respect to the starting point?

a) North-East

b) North

c) South-East

d) North-West

Correct Answer: d *1 Mark*

---

9. In the given question, is given a statement followed by three assumptions numbered I, II and III. An assumption is something supposed or taken for granted, you have to consider the statement and the assumptions and decide which of the assumption(s) is/are implicit in the statement:

Statement – "To make a company commercially viable there is an urgent need to prune the staff strength and borrow money from the financial institutions.", opinion of a consultant.

Assumptions
(II) The financial institutions lend money for such proposals.
(II) The product of the company has a potential market.
(III) The employees of the company are inefficient.

a) II and III are implicit

b) All are implicit

c) None is implicit

d) I and II are implicit

Correct Answer: d *2 Marks*

10. In the question given below there are two statements followed by two conclusions numbered I and II. You have to take the two give statements to be true even if they seem to be at variance from commonly known facts and decide which of the given conclusion(s), logically follow (s) from the two given statements disregarding commonly known facts:

Statements
I. Some tablets are capsules.
II. All capsules are syrups.
III. Some syrups are medicines.
IV. All medicines are powders.
Conclusions
I. Some syrups are powders.
II. Some syrups are tablets

a) Only conclusion I follows
b) Only conclusion II follows
c) Both conclusion I and II follows
d) Neither conclusion I nor II follows

Correct Answer: c   *2 Marks*