



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL
(An Autonomous Institute under Kakatiya University,
Warangal) TRAINING & PLACEMENT CELL

Assignment- 2 (UNIT – III & IV)

Class : B.Tech. VI-Semester
Section : Common to CE, CSM, ECE, ECI, EEE
Code-Subject : U18TP601-QALR
Name of the Faculty : Ms. P. Aruna Kumari
Assignment Posted on : 01/04/2025
Assignment Submission Due : 15/04/2025 Max. Marks: 10

Questions	CO	CDLL
1. Identify the missing number in the series i) 2, 3, 8, 27, 112, _ ii) 21, ?, 73, 138, 229, 346.	CO3	R
2. In a school, final selection list of the class 12th students who opted for extracurricular activities was posted in the corridor. In the list Vikas was ranked 18th from the top and 36th from the bottom among those who got selected. 12 students did not opt for any extracurricular activity and 7 were disqualified from it. Discover total number of students were there in the class.	CO3	U
3. In this type a symbol is used to denote a relationship between two persons. Symbols need to be decoded and solution is to be found. Consider following examples. A) $U + V$ means U is the brother of V, $W - X$ means W is the father of X, $X \div Y$ means X is the sister of Y, $Y \times Z$ means Z is the mother of Y. Which of the following means that N is the mother of O? i) $L + M \div N - O$ ii) $L - M \times O \div P$ iii) $N \div M \times L \div O$ iv) $M + L \div O \times N$ Find the missing term in the second group: -	CO3	U
4. I) BAT: CDY: BIG: ? II) AI: IQ: FG: ?	CO3	U
5. In each question below are given some statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows/follow from the given statements, disregarding commonly known facts.	CO4	AP

I) Statements:

Some actors are singers.

All the singers are dancers.

Conclusions:

- Some actors are dancers.
- No singer is actor.

II) Statement:

The Team Manager humiliated Varun in front of his colleagues on a Monday morning.

Conclusion I: The Team Manager did not like Varun

Conclusion II: Varun was not as popular as his other colleagues

- Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

6. i. Statement: Should India have no military force at all?

Arguments:

- I. No. Other countries in the world do not believe in non-violence.
- II. Yes. Many Indians believe in non-violence

ii. Statement: Should income tax be abolished in India?

Arguments:

- I. Yes. It is an unnecessary burden on the wage earners.
- II. No. It is a good source of revenue.

- . If blue is called green, green is called yellow, yellow is called red, red is called brown and brown is called pink, then, what is the color of the blood?? CO 4 AP 3

8. Study the given information carefully to answer the questions. In a recently held survey there were 9700 persons in a local area. Out of these 3000 use only Nokia phones, 2400 use only Apple phones and 1450 use only Samsung phones. The number of persons who are using the phones of all the companies is 1500. The number of persons who use Nokia phones and Samsung phones, but not Apple phones is 450. The number of people who use Apple and Samsung phones, but not Nokia phones is 550 and the number of those who use Nokia and Apple phones, but not Samsung phones is 350. CO4 AP

- i) Examine the number of persons using Nokia phones.
- ii) Analyze the number of persons use phones of at least two companies

- 9 Hardik walks 10 km towards North. From there he walks 6 km towards South. Then, he walks 3 km towards East. How far and in which direction is he with reference to his starting point? CO4 U

10. Ajith walks 20 m south from Point A to reach Point B. Then he turns to his right and walks 14 m to reach Point C. Again, he turns to his right and walks 20 m to reach Point D. Finally, he turns to his left and walks 14 m to reach Point E. What is the distance between A and E and in which direction is Point E from Point A. CO4 AP