Training Programmes 2022 – 2023

Various training programs were conducted for third year and second year students during July 2022 – April 2023.

1. The following training programmes were conducted through offline mode by our staff members on 22.07.2022



S.NO.	TOPIC	Period	No of Sessions	Target
1	GOAL Setting	22.07.2022	06	All 3 rd Year Students.
2	Exposing Themselves to the society	22.07.2022	02	All 2 nd Year Students.



Sample Material - Exposing Themselves to the society

Slide 4		
	 You're more likely to meet people in a shared public space. *Rather than leaving straight from class and going back to your dorm, stick around on campus for a little while instead. *Go to the dining hall to have a meal, pick up something to drink rom a cafe, or find a study spot at the student center. 	
Slide 5		
	 You're more likely to meet people in a shared public space. Putting yourself out there on campus gives you a lot of opportunities to say "Hi" to new people and potentially meet some new friends. When people walk by, smile and say hi to them. You never know if they want to sit down and have a conversation. 	
Slide 6	2. Go to College Events.	























IColleges offer students various benefits, such as a certain number of free medical visits, psychological visits, vaccines, etc. Find out what your college offers to current students so you can take advantage of whatever benefits come with your tuition.



Slide 41



Slide 42

Academic life requires students to focus and concentrate. Work to avoid or reduce things that interfere with your concentration.







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Martin par summer par summer summ	TOPIC & RESOURCE PERSON	APTITUD N RANAWA CAR	LISTENING SKILLS (Mr K Pandiarajan Loctorev/CIVIL)	APTITUDE TRAINING (Mrs & Priyanda, LocurariGT)	SELF MOTTATION Netto Stravebana. LocuetrieEE)	APTITUDE TRAINING (Mrs R Prisada Locurer/GT)	TEAN WORK (M. M.Kailasettehn Leenfer(SS/CT)	APTITUDE TRAINING (MES & Physika Lypoured GT)	BUILD YOUR SKILLS (Min C Priva. LuctureriCovil)	KEADERSHIP SKILLS MLA VerbatetBooputh LocuterMOP)	ENTERPRISE INSOURCE INVARS INSOURCE ONAR SHOWING ONAR SHAWING INVARSING ONAR MASANNARD INSOURCE ON MASANNARD INSOURCE ON MARDIN CONTRACTOR	4 (10) ¹¹ (11)
UI III YEAR STUDENTS without fai	BATCH-V (ECE, CT) TOPIC & RESOURCE PERSON	APTITUDE TRAINING (Mr.A.Annkumar, LocturerMech)	LEADERSHIP SKILLS (Mr.A. VerbareshBooparly. LogurerMOP)	APTITUDE TRAINING MAA Armakumar. LoqurenMechi	ENTERPRICE RESOURCE ALANING IAN NGJAHATA LARUNTSSIECE) - ECE ENTERNISE RESOURCE FLANNING IAN KRAMING IAN KRAMING	AFTITUDE TRAINING (Mr.A.Anntumar LocurerMoch)	SELF MOTIVATION (ML D Saranabumar, LacureTEEE)	APTITUDE TRAINING (MI. A Arvalvanar, Lecturer/Mech)	TELM WORK (Mrs. Arangodura) LocumdSG-IVPT)	LISTENING SKILLS (Mr.Y. Aje Sankar + Locure/PT)	BUILD YOUR SKILLS (MAS C Prys. LecurerCivil)	λ.
), VIT Jar 1626001.	BATCH-IV (EEE-B & MOP) TOPIC & RESOURCE PERSON	APTITUDE TRAINING (Mr 5 Yuvara). Lecture/Mech)	LISTENING SKILLS (Mr Y Ajay Sanhar LecturerPT)	APTITUDE TRAINING (Aris 5 Yu.ara) Leeture/Mechi	LEADERSIIF SKILLS (Nr.A. Voubarshikopath. Lecure/MOP)	APTITUDE TRAINING (Mr.S.Yuara) Lecure/Mech	ENTERPRISE RESOURCE PLANING (DT K MATCHAIL LEGENERGS LIVEEE - LEE ENTERPRISE RESOURCE (ME A VIOLAGENERGEN). LEGENERGNOP-MOP	APTITUDE TRAINING (Mr.S.Yucuru) Lecturer/Medii	SELF MOTIVATION (Mr D Saravakumur, Locumer/EEE)	BUILD YOUR SKILLS (Mrs C Pris. Leature/Cing.	TEAN WORK (N1 M Kalidesubbu, LoourerSSNCT)	PRINCIPALITY PARTY
technic College (Autonomous AINING CELL • The concerned department coordinato	UATCH-III (EEE-A) TOPIC & RFSOURCE PERSON	APTITUDE TRAINING (Mr.B.Jaihind Lecturer/Maths)	BUILD YOUR SKILLS (Mrs C Prija. Leenver(Civil)	APTITUDE TRAINING (McB.Jaihind, Locurer/Maths)	LISTENING SKILLS (Mr Y Ajay Sakar Loturo/PT)	APTITUDE TRAINING (Mr B Jahnd, Lecture/Maths)	SELF MOTIVATION Mrs 2. A Annulas Locurcr(SS)FEE5)	APTITUDE TRAINING (Mr B Jahnd, Lecture/Maths)	ENTERPRISE RESOURCE PLANNING (Dr.K. Marcesan, Lecturer(SG-IVEEE)	TEAM WORK (Mr M Kalidonsbabu Locturer(SS)/CT)	LEADERSHIP SKILLS (MIS G. Anargadiani Lecuret SG-UPT)	P-R-P-A
ır S.Vellaichamy Nadar Polyi TR. /III VEAR STUDENTS is given below	RATCH-H (MECH-B) TOPIC & RESOURCE PERSON	APTITUDE TRAINING (Mr.M. Manikandan, Locturer/Moch)	TEAM WORK (Mr.M.Kalidostablu. Locturer(SS)/CT)	APTITUDE TRAINING (Mr.M. Manikandan, Lecturet/Mech)	BUILD YOUR SKILLS (NIS G Amgadum Lecture(SG-I)PT)	APTITUDE TRAINING INF M Manikandan. Locurer/Moch)	LISTENING SKILLS (M.K.Padarojan (A.K.Padarojan	AFTITUDE TRAINING (Mr.M.Manibadan, Lecurer/Mech)	LEADERSHIP SKILLS IML A VerlanstaBoopath; Lecturer/MOP)	SELF MOTIVATION (Mr D.Saravanakumur, Lecture/EEE)	EVTERPASE RESOURCE PLANNIG (MK S Scientropa HOD(ic) Nochanical)	P. S. B. C. M. C. P. C. N.
AINING schedule for All V th TERM	BATCH-I (MECH-A) TOPIC & RESOURCE PERSON	APTITUDE TRAINING (Mr.K.Ranalingara, Locurer/CT)	SELF MOTIVATION (Mrs S A Amutha. LecurentSSVEEE)	APTITUDE TRAINING (Mr K Ramalingam. Lecture/CT)	TLAM WORK IAM WORK IAM MAIdassbebu. Lecturer(SSVCT)	APTITUDE TRAINING (Mr K Rumaingum. Lecturer/CT)	(TYT) AUDY AUDY AUDY AUDY AUDY AUDY AUDY AUDY	APTITUDE TRAINING (Mr.K.Ramaingam, LocurerCT)	LISTENING SKILLS (Mr.K.Pandarajan Lasturer/CIVIL)	ENTERPRISE RESOURCE PLANNING (Dr.B Suravanan Lecture (SS)/Mechanical)	LicenterShop Strings NMA Y Vedaratiopopulis, LicenterMOP)	3 1 1
OFFLINE SATURDAY T	Time	MAK 0 504M	9 50AM-10 40AM	MAD2-9-MADD 9	WARD OF MADE 4	* 9.00.AM-9.50.AM	WYOF OF WYOS A	P GRAM-9-SOAM	WARF OF MARK	9 IDAM-9 SDAM	WEYNE OF-WENS A	sunsi Scontinutor. Indeeduator
The (notis follow the COV	Date	ſ	06-05-2022		27-08-2022		174-4-2022	Γ	• 01-10-2022		15-10-2022	urman, Governing Co All HODs, Traumi
advised to str	S.No	-	~		-	·	e		×	2	8	Coprio Cha Coprio VP.

2. The following training programmes were conducted through offline mode by our staff members from 06.08.2022 to 15.10.2022.

S.NO.	TOPIC	Period	NO. OF SESSIONS	Target
1	Aptitude Training	06.08.2022 to 15.10.2022	24	
2	Self-Motivation	06.08.2022 to 15.10.2022	6	
3	Build Your Skills	06.08.2022 to 15.10.2022	6	
4	Listening Skills	06.08.2022 to 15.10.2022	6	All 3 rd Year
5	Leadership Skills	06.08.2022 to 15.10.2022	6	Students
6	Team Work	06.08.2022 to 15.10.2022	6	
7	Enterprise Resource Planning	06.08.2022 to 15.10.2022	10	
	TOTAL:		64	





































Slide 24



It is a two-way street. The managers and leaders have to take the lead and the employees have to respond. This way, there will be cohesiveness and better harmony in the organization. When that is done, the employees can simply come together, talk and pursue the goals of the organization. They can also become more loyal to the organization in this way.



Lesson 5: Sharing Information

When a team has reached this stage in its development, it can handle even greater levels of pressure and performance and should be stretched for higher levels of achievement. The management at this stage of the team's development should push for even more opportunity and information sharing and should create even more important sales projects for the team to work on.



Slide 26

Lesson 6: Empowering the team

Making your employees feel like they are a valuable part of the team. Everyone needs to receive positive feedback at times so that they understand that they are an important, contributing team player. It will make a world of difference and if anything, you will find that it only increases and enhances the strength of your team member which in turn improves the whole team.





Lesson 8: Creating problem solving environment

A problem solver can help a team when they are in a bind. A problem solver can come up with resources when a business is out of funding to buy more. He or she can find ways to use the current resources within a company. They can think of ways to handle and deal with problems in a creative way. A problem solver is a good asset for business teamwork.



Slide 30

Lesson 9: Measuring teamwork performance continually

Teamwork performance has to be measured regularly so as to ensure that these teams are truly working for the benefit of the organization. You have to work toward protecting the interests of the team members while delivering excellent results! That is the sure way to excellent teamwork performance.













3. The following training program was conducted through offline mode organized by VSVN training cell and sponsored by VSVN alumni from 26.12.2022 to 31.12.2022

S.NO.	TOPIC	Period	NO. OF SESSIONS	Target
1	Effective communication and Interview skills	26.12.2022 to 31.12.2022	11	All 3 rd Year Students



1agar-626001. 02.01.2023 the same to all II YEAR	BATCH-VI (CT & PT) TOPIC & RESOURCE PERSON	Basic Aptitude Training (Mr.A.Venkatesh Boopathy, Lecturer/MOP)	Oral Communication (Mrs.C.Priya, Lecturer/Civil)	Basic Aptitude Training (Mr.A.Venkatesh Boopatry, Lecturer/MOP)	shudowith structures					
s are instructed to inform	BATCH-V (ECE & MOP) TOPIC & RESOURCE PERSON	Basic Aptitude Training (Mr.B.Jaihind, Lecturer/Maths)	Basic Aptitude Training (Mr.B.Jaihind, Lecturer/Maths)	Basic Aptitude Training (Mr.B.Jaihind, Lecturer/Maths)	Basic Aptitude Training (Mr.B.Jaihind, Lecturer/Maths)	Oral Communication (Mrs.C.Priya, Lecturer/Civil)	Basic Aptitude Training (Mr.B.Jaihind, Lecturer/Maths)	Basic Aptitude Training (Mr.B.Jaihind, Lecturer/Maths)	Basic Aptitude Training (Mr.B.Jaihind, Lecturer/Maths)	A Rayour
section of the sectio	BATCH-IV (EEE-B & GT) TOPIC & RESOURCE PERSON	Basic Aptitude Training (Mr.K.Ramalingam, Lecturer/CT)	Oral Communication (Mrs.C.Priya, Lecturer/Civil)	Basic Aptitude Training (Mr.K.Ramalingam, Lecturer/CT)	Basic Aptitude Training (Mr.K.Ramalingam, Lecturer/CT)	Basic Aptitude Training (Mr.K.Ramalingam, Lecturer/CT)	Basic Aptitude Training (Mr.K.Ramalingam, Lecturer/CT)	Basic Aptitude Training (Mr.K.Ramalingam, Lecturer/CT)	Basic Aptitude Training (Mr.K.Ramalingam, Lecturer/CT)	
TRAINING CELL <u>CIRCULAR</u> . The concerned depart	BATCH-III (EEE(A) & CIVIL) TOPIC & RESOURCE PERSON	Oral Communication (Mrs.C.Priya, Lecturer/Civil)	Basic Aptitude Training (Mr.D.Saravanakumar, Lecturer/EEE)	Basic Aptitude Training (Mrs.S.A.Amutha, Lecturer(SS)/EEE)	Basic Aptitude Training (Mr.M.Kalidossbabu, Lecturer(SS)/CT)	Basic Aptitude Training (Mr.D.Saravanakumar, Lecturer/EEE)	Basic Aptitude Training (Mrs.5.A.Amutha, Lecturer(SS)/EEE)	Basic Aptitude Training (Mr.M.Kalidossbabu, Lecturer(SS)/CT)	Basic Aptitude Training (Mr.D.Saravanakumar, Lecturer/EEE)	PRINCIPAL
rUDENTS is given below	BATCH-II (MECH-B) TOPIC & RESOURCE PERSON	Basic Aptitude Training (Mrs.R.Priyanka, Lecturer/GT)	Basic Aptitude Training (Mrs.R.Priyanka, Lecturer/GT)	Basic Aptitude Training (Mrs.R.Priyanka, Lecturer/GT)	Oral Communication (Mr.G.Arangadurai, Lecturer(SG-I)/PT)	Basic Aptitude Training (Mrs.R.Priyanka, Lecturer/GT)	Basic Aptitude Training (Mrs.R.Priyanka, Lecturer/GT)	Basic Aptitude Training (Mrs.R.Priyanka, Lecturer/GT)	Basic Aptitude Training (Mrs.R.Priyanka, Lecturer/GT)	J
hedule for All II YEAR S	BATCH-I (MECH-A) TOPIC & RESOURCE PERSON	Basic Aptitude Training (Mr.S.Yuvaraj, Lecturer/Mech)	Basic Aptitude Training (Mr.S.Yuvaraj, Lecturer/Mech)	Oral Communication (Mr.G.Arangadurai, Lecturer(SG-I)/PT	Basic Aptitude Training (Mr.S.Yuvaraj, Lecturer/Mech)	Basic Aptitude Training (Mr.S.Yuvaraj, Lecturer/Mech)	Basic Aptitude Training (Mr.S.Yuvaraj, Lecturer/Mech)	Basic Aptitude Training (Mr.S.Yuvaraj, Lecturer/Mech)	Basic Aptitude Training (Mr.S.Yuvaraj, Lecturer/Mech)	ounci
The TRAINING sc DENTS without fail.	DATE & TIME	07-01-2023 (Saturday) 09:00 AM-9.50AM	21-01-2023 (Saturday) 09:00 AM-9.50AM	28-01-2023 (Saturday) 09:00 AM-9.50AM	04-02-2023 (Saturday) 09:00 AM-9.50AM	25-02-2023 (Saturday) 09:00 AM-9.50AM	04-03-2023 (Saturday) 09:00 AM-9.50AM	25-03-2023 (Saturday) 09:00 AM-9.50AM	08-04-2023 (Saturday) 09:00 AM-9.50AM	Chairman, Governing C
STUC	S.No		2	e	4	ۍ	9	2	ø	opy to:

4. The following training programmes were conducted through offline mode by our staff members from 07.01.2023 to 08.04.2023.

S.NO.	TOPIC	Period	NO. OF SESSIONS	Target
1	Basic Aptitude Training	07.01.2023 to 08.04.2023	25	All 2 nd Year
2	Oral Communication	07.01.2023 to 08.04.2023	5	Students
	TOTAL:	07.01.2023 to 08.04.2023	30	





SAMPLE MATERIAL - BASIC APTITUDE TRAINING

Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001. (Affiliated to Directorate of Technical Education ,Chennai-25) TRAINING CELL <u>Aptitude Training</u>

Session 1: Problems on Numbers

(1) If 30% of a certain number is 12.6, what is the number?

(2) One-fourth of one-third of two-fifth of a number is 15. What will be 40% of that number?

(3) A number exceeds 20% of itself by 40. What is the number?

(4) The difference between two numbers is 14, and their sum is 40. Find out the product of these two numbers?

(5) The sum of two consecutive odd numbers in a set of three consecutive odd numbers is 5 more than the third number. What is the second of these numbers?

(6) The sum and difference of two numbers are 25 and 10 respectively. Find the difference of their squares.

(7) The product of two numbers is 300, and the sum of their squares is 625. What are the numbers?

(8) The difference between a two-digit number and the number obtained by interchanging the position of the digits is 45. What is the difference between digits of that number?

Exercise – 1 (Objective Type Questions)
(9) A number, when divided by 4, is reduced by 21. What is the number?
A. 18
B. 20
C. 28
D. 38
(10) Two-third of one-fifth of one-fourth of a number is 10. What is 30% of that number?
A. 60
B. 100
C. 270
D. 90
(11) The sum of the digits of a two-digit number is 14, and the difference between the digits is 2. Which of the following can be that number?
A. 95
B. 68
C. 86
D. 68 or 86
(12) When the numerator of a certain fraction is increased by 1 and the denominator by 2, it 2
changes to $\overline{3}$; but when the numerator is increased by 5 and the denominator by 1, the value 5
of the fraction changes to $\frac{1}{4}$. What is the original fraction?

3 7 5 8 5 7 6 7 Α. В. c. D. (13) The difference between a two-digit number and the number obtained by changing the positions of its digits is 36. What is the difference between the two digits of that number? A. 3 **B**. 4 C. 9 D. Cannot be determined. E. None of these. *****

Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001. (Affiliated to Directorate of Technical Education ,Chennai-25) TRAINING CELL Aptitude Training

Session 2: Percentage

(1) 40 % of 280 =?

(2) If 40% of an amount is 250, what will be 60% of that amount?

(3) If 30 % of 1520 + 40 % of 800 = x % of 5000, find the value of x.

(4) If the height of Ramesh is less by 20% than Suresh, the height of Suresh will be greater than that of Ramesh by how many percent?

(5) The population of a town is increased from 54500 to 58500 in one year. What is the percentage increase in the population?

(6) The population of a town is decreasing at a rate of 10% per annum. If the population two years ago was 20,000, what is the present population?

(7) Two candidates contested an election. The winning candidate scored 54% and won by 88 votes. If 58 votes were declared invalid, find the total number of votes polled in the election?

(8) In an examination, 25% candidates failed in English and 35% students failed in Math.If 15% candidates failed in both, what is the percentage of candidates who passed in both the subjects?

Exercise – 2 (Objective Type Ouestions)
(9) Whose 35% is 280?
A. 700
B. 750
C. 800
D. 850
(10) 45 *? = 35% of 900
A. 6
B. 7
C. 9
D. 4
(11) What is 3% of 5%?
A. 60 %
B. 70 %
C. 65 %
D. 75 %
(12) 1200 boys and 800 girls appeared in an examination. If 60% of the boys and 40% of the girls passed the examination, what is the percentage of candidates who failed in the examination?
A. 48 %
B. 52 %
C. 45 %
D. 42 %

(13) Ram spends 70% of his salary and deposits 15 % of his salary in the bank. If he is left with Rs. 1500, what is his monthly salary?

A. Rs.9000

- B. Rs.9500
- C. Rs.10000
- D. Rs.10500

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Session 3: Average

(1) Average age of a group of 30 boys is 16 years. A boy of age 19 leaves the group and a new boy joins the group. If the new average age of the group is 15.8 years, find the age of the new boy.

(2) The average weight of 10 men is decreased by 2 kg when one of them whose weight is 60 kg is replaced by a new man. What is the weight of the new man?

(3) The average age of 30 boys in a class is 15 years. If we include the age of two teachers the average age increases by 1. Find the sum of ages of the two teachers.

(4) Four years ago, the average age of A and B was 20 years. If today average age of A, B and C is 25 years, what will be age of C after 7 years?

(5) The average monthly income of Rakesh and Suresh is Rs. 5050. The average monthly income of Suresh and Ramesh is Rs. 6250 and the average monthly income of Rakesh and Ramesh is Rs. 5200. What is the monthly income of Rakesh?

(6) Three years ago, the average age of Anita, Nisha, and Varsha was 27 years. If five years ago, the average age of Nisha and Varsha was 20 years, find the present age of Anita.

(7) A museum has an average of 510 visitors on Sunday and 240 on other days. Find the average number of visitors per day in a month of 30 days beginning with a Sunday.

(8) In a class average age of 15 boys is 11. If 5 boys each of age 9 years are added, what would be the new average?

<u>Exercise – 3 (Objective Type Questions)</u>
(9) The average age of the committee of 10 members is 40 years. A member of age 52 retires and a new member of age 38 takes his place. What is the average age of the present committee?
A. 38.6 years
B. 33.5 years
C. 35.5 years
D. 37.5 years
(10) What is the average of first five natural numbers?
A. 5
B. 2
C. 3
D. 4
(11) If the sum is 240 and average is 40, find the number of quantities.
A. 5
B. 8
C. 5
D. 6
(12) The average weight of 8 women increases by 2.5 kg when a new woman replaces one of them weighing 65 kg. Find the weight of the new woman.
A. 20
B. 85
C. 67
D. 80

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(13) The average weight of P, Q and R is 45 kg. If the average weight of P and Q is 40 kg and that of Q and R is 43 kg, what is the weight of Q?

- A. 32
- B. 65
- C. 67
- D. 31

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Session 4: Ratio and Proportion

(1) A: B: C is in the ratio of 3: 2: 5. How much money will C get out of Rs 1260?

(2) If a: b is 3: 4 and b: c is 2: 5. Find a: b: c.

(3) A: B is 1: 2; B: C is 3: 2 and C: D is 1:3. Find A: B: C: D.

(4) 5600 is to be divided into A, B, C, and D in such a way that the ratio of share of A: B is 1: 2, B: C is 3: 1, and C: D is 2: 3. Find the sum of (A and C) and (B and C).

(5) The ratio of income of two workers A and B are 3: 4. The ratio of expenditure of A and B is 2: 3 and each saves Rs 200. Find the income of A and B.

(6) Pervez, Sunny, and Ashu Bhati alone can complete a piece of work in 30, 50, and 40 days. The ratio of their salaries of each day is 4: 3: 2 respectively. The total income of Parvez is Rs 144. Find the total income of Sunny.

(7) The price of silver-biscuit is directly proportional to the square of its weight. A person broke down the silver-biscuit in the ratio of 3: 2: 1, and faces a loss of Rs 4620. Find the initial price of silver-biscuit.

(8) A bag contains Rs 410 in the form of Rs 5, Rs 2, and Rs 1 coins. The number of coins is in the ratio 4: 6: 9. So, find the number of 2 Rupees coins.

<u>Exercise – 4 (Objective Type Questions)</u>

(9) The ratio of the salary of A and B, one year ago is 3: 2. The ratio of original salary to the increased salary of A is 2: 3 and that of B is 3: 4. The total present salary of A and B together is Rs. 21500. Find the salary of B.

- A. 6000
- B. 7000
- C. 8000
- D. 9000

(10) The ratio of the expenditure of Pervez, Sunny, and Ashu are 16: 12: 9 respectively and their savings are 20%, 25%, 40% of their income. The sum of the income is Rs 1530, find Sunny's salary.

- A. 200
- B. 480
- C. 300
- D. 420

(11) A person covers the different distances by train, bus, and car in the ratio of 4: 3: 2. The ratio of the fair is 1: 2: 4 per km. The total expenditure as a fair is Rs 720. Find the total expenditure as fair on the train.

- A. 140
- B. 150
- C. 160
- D. 170

(12) B is inversely proportional to the cube of A. If B=3, A=2. If B=8/9. Find the value of A.

- A. 3
- B. 5
- C. 6
- D. 4

(13) Rs 7800 are distributed among A, B, and C. The share of "A" is the $\frac{3}{4}$ of the share of B, and the share of B is the $\frac{2}{3}$ of the share of C. Find the difference between the share of B and C.

A. 1200

- B. 1300
- C. 1500
- D. 800

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Session 5: Time and Work

(1) Worker A completes a task in 8 days, and worker B completes the same task in 10 days. If both A and B work together, in how many days they will complete the task?

(2) Vikas and Mohan working together can complete a work in 6 days. If Vikas alone completes the same work in 10 days, in how many days Mohan alone can complete the same work?

(3) A can do a work in 10 days and B can do the same work in 15 days. If they start working together but stop working after four days, find the fraction of the work that is left.

(4) If 5 men can colour 50-meter long cloth in 5 days, in many days 4 men can color a 40-meter long cloth?

(5) If 4 men can finish 4 times of a work in 4 days, in how many days 6 men can finish the 6 times of same work ?

Exercise – 5 (Objective Type Questions)

(9) Peter is twice as good as workman as Tom. When they work together they can finish a task in 16 days. If Tom works alone, in many days he will complete the task?

- A. 46 days
- B. 48 days
- C. 50 days
- D. 52 days

(10) A can do a job in 12 days and B can do the same job in 10 days. With the help of C they can do the same job in 4 days. In how many days C alone can do this job?

- A. 15 days
- B. 14 days
- C. 13 days
- D. 12 days

(11) A can do a piece of work in 10 days. B is 50% more efficient than A. In how many days B alone can do the same job?

- A. 6.2 days
- B. 6.6 days
- C. 7 days
- D. 7.2 days

Session 5: Speed, Time and Distance

(6) A running man crosses a bridge of length 500 meters in 4 minutes. At what speed he is running?

(7) A horse covers a distance of 1500 meters in 1 minute 20 seconds. At what speed the horse is running?

(8) Two boys start running at the same time in the same direction at a speed of 10 km/hr and 12 km/hr respectively. In what time they will be 8 km apart?

<u>Exercise – 5 (Objective Type Questions)</u>

(12) A car running at a speed of 140 km/hr reached its destination in 2 hours. If the car wants to reach at its destination in 1 hour, at what speed it needs to travel?

- A. 300 km/hr
- B. 280 km/hr
- C. 250 km/hr
- D. 240 km/hr

(13) A jogger is running at a speed of 15 km/hr. In what time he will cross a track of length 400 meters?

- A. 96 sec
- B. 100 sec
- C. 104 sec
- D. 110 sec

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Session 6: Profit & Loss

(1) A shopkeeper sold an article for Rs. 2500. If the cost price of the article is 2000, find the profit percent.

(2) A man purchases a TV for Rs. 8000 and sells it at 10% loss. What is the selling price of T.V?

(3) Suresh bought a cell phone from a shop. If he sells it at Rs. 8400 to Mahesh and earns a profit of 12%, find the price at which Suresh bought the cell phone.

(4) Mohan bought an article at 25% less of the marked price and sold it at 15% more than the marked price. Find the profit earned by him.

(5) The cost price of 30 articles is equal to the selling price of 25 articles. What is the profit percentage in this transaction?

Exercise – 6 (Objective Type Questions)

(9) Ramesh bought a chair for Rs. 1540 and sold it to Suresh. If Ramesh earned a profit of 25%, find the selling price of chair.

- A. Rs.1875
- B. Rs.1900
- C. Rs.1925
- D. Rs.1950

(10) A shopkeeper purchases a table and sells it for Rs. 4200. If he incurs a loss of 20%, find the cost price of table.

- A. Rs.5250
- B. Rs.5150
- C. Rs.5052
- D. Rs.5200

(11) If the cost price of 120 mangoes is equal to the selling price of 100 mangoes, what is the profit percent in this transaction?

- A. 15%
- **B.** 17%
- C. 20%
- D. 21%

Session 6: Simple Interest

(6) If Suresh borrows Rs. 36000 from Mahesh at rate of interest 6% S.I, at the end of four years how much interest Suresh has to pay along with principal amount?

(7) In how many years the simple interest on Rs. 6000 at 10% rate of interest S.I will become Rs. 1800?

(8) In what time Rs. 6000 will give interest of Rs. 720 at the rate of 6% p.a. S.I.?

<u>Exercise – 6 (Objective Type Questions)</u>

(12) Sohan has borrowed Rs. 5000 at the rate of 6% S.I. what amount he needs to pay after 3

years to clear the debt?

- A. Rs. 5500
- B. Rs. 5900
- C. Rs. 6100
- D. Rs. 6300

(13) In what time Rs. 6000 will give interest of Rs. 720 at the rate of 6% p.a. S.I.?

- A. 1.5 years
- B. 2 years
- C. 2.5 years
- D. 3 years

Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001. (Affiliated to Directorate of Technical Education ,Chennai-25) **TRAINING CELL Aptitude Training** Session 7: Logical Reasoning (Verbal) (1) Which number would fill the empty space in the series; 4, 7, 12, 19, _, 39? (2) Find the wrong number in the series, 2, 6, 15, 31, 56, 93. (3) CKDL, EKFL, GKHL, _, KKLL, find the missing letters. (4) Find the missing letters in the series, E₃FG, _, E₅FG, E₆FG, E₇FG. (5) Find the missing letters in the series, BKK, DMM, FOO, _, JSS. <u>Exercise – 7 (Objective Type Questions)</u> (9) Look at the series, 77, 70, 63, 56, 49, _, which number should come next? A. 42 B. 46 C. 44 D. 48 (10) Find the missing number in the series; 196, 169, 144, _, 100, 81. A. 111 B. 131 C. 121

D. 141

(11) Find the missing letters in the series, GAH, IBJ, KCL, MDN, _.

- A. OEG
- B. OEP
- C. OEB
- D. OEA

Session 7: Logical Reasoning (Non-Verbal)

(6) Which answer figure will continue the same series as established by the problem figures?

Problem figures;

Answer figures;

$$\begin{array}{c|c} (\uparrow) \\ I \\ C \\ 1 \\ \end{array} \begin{array}{c} \uparrow \\ C \\ 1 \\ \end{array} \begin{array}{c} \uparrow \\ I \\ 1 \\ \end{array} \begin{array}{c} (\downarrow) \\ C \\ I \\ \end{array} \begin{array}{c} (\downarrow) \\ I \\ C \\ \end{array} \begin{array}{c} \downarrow \\ I \\ \end{array} \begin{array}{c} \downarrow \\ I \\ \end{array} \begin{array}{c} (\downarrow) \\ I \\ C \\ \end{array} \begin{array}{c} (\downarrow) \\ I \\ C \\ \end{array} \begin{array}{c} (\uparrow) \\ I \\ C \\ \end{array} \begin{array}{c} (\uparrow) \\ C \\ I \\ \end{array} \begin{array}{c} (\uparrow) \\ C \\ I \\ \end{array} \right)$$

(7) Which answer figure will continue the same series as established by the problem figures?

Problem figures;





5. The following training program was conducted through offline mode organized by VSVN training cell and sponsored by VSVN alumni.

S.NO.	TOPIC	Period	NO. OF PARTICIPANTS	PARTICIPANTS
1	VISION 2025	July 2022 to April 2023	72	1 st Year Students


