

Anmar International Center for Training

C.R. 2055024564

ت.س. ۲،۵۵،۲٤٥٦٤

Learning Topic: Technical (Plant Processes & Operations).

Course Name: Technical Calculations

Reference Code: PLOP 121

Course Overview:

This course is one of the basic training courses for any operation staff member.

This program is designed to teach the basic technical calculations which could face technical staff in petrochemical plants. Chemical, petrochemical, gas & oil industries involve a lot of formulae & calculations. It is vital to perform these calculations in the correct way. It is true that computers & software programs are helping a lot by performing most of the core calculations. Nevertheless, quite often technical staff find themselves faced with manual calculations tasks.

All the information in this program are necessary and very basic & important, so they have to be remembered & adhered to when performing job tasks inside industrial plants.

Course Objectives:

By the end of the program participants are expected to:

- 1. Understand the techniques of scientific calculations
- 2. Understand how to perform scientific calculations using simple calculators.
- 3. Practice the techniques of scientific calculations
- 4. Answer to real life examples

Training Methodologies:

The training methodology is interactive and is suitable for all employees involved in maintenance and operations management enhancing the following:

- Pre-test and Post-test
- Variety of Learning Methods & examples
- Presentation
- Lectures
- Tutorials & Exercises

United Arab Emirates

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ت.س. ١٢٥٦٤ ، ٥٥٠ ٢

Who should attend?

Emirates Towers, Level 41 Sheikh Zayed Road	Khobar Gate Tower King Fahad Street Khobar 31952	101 Business Tower, 8th Floor
United Arab Emirates	Kingdom of Saudi Arabia	Kingdom of Saudi Arabia
☐ Addition		
☐ Comparing Fractions		
Lesson 4: Fractions		
☐ Percentage Error		
☐ Calculators Use for Percentage	ges	
☐ Everyday Used Percentages		
☐ Meaning of Percentage		
Lesson 3: Percentages		
<u>Day 2:</u>		
□ Volume		
□ Area		
☐ Perimeter		
☐ Units and Conversion		
Lesson 2: Measurements		
☐ Significant Figures		
☐ Directed Number		
\square Round Off		
Lesson 1: Numbers:		
Course Introduction		
<u>Day 1:</u>		
Training Outline:		
Any interested plant personnel in operalogisticsetc.	ations, maintenance, stores, ware	house, safety, procurement,
Maintenance technicians		
Operators		
Operations technicians		
Operations technicians		

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Numbers of hours: 30 Hours	Time: 08:00 AM -02:00 PM
Duration: 5 Days	Venue:
Course Conclusion	
Course Conclusion	
☐ Sine, Cosine and Tan	
☐ Radians and Degrees	
☐ Pythagoras' Theorem	
Lesson 10: Trigonometry	
☐ Triangles	
☐ Working with Angles	
Lesson 9: Geometry	
Day 5:	
☐ Quadratics	
☐ Liner Graphs	
☐ Basic Graph Terms	
Lesson 8: Graphs	
□ Surds	
☐ Index Law	
Day 4: Lesson 7: Indices	
☐ Like & Unlike Term	
☐ Transposition	
Lesson 6: Algebra	
☐ Dividing Decimals	
☐ Multiplying	
☐ Decimal to Fractions	
Lesson 5: Decimals	
<u>Day 3:</u>	
☐ Subtraction	

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