



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

Value Added Courses

2022-2023

Department of Science & Humanities.

22SH01- Mathematical Modeling

MARK SHEET

| Sl. No | Register Number | Student Name | MARKS |
|--------|-----------------|------------------|-------|
| 1. | 22TD0751 | ADHITYAN M | 88 |
| 2. | 22TD0752 | ANITHA P | 96 |
| 3. | 22TD0753 | BALAJI B | 92 |
| 4. | 22TD0754 | CARLLEWIS F | 88 |
| 5. | 22TD0755 | CHANDRU E | 96 |
| 6. | 22TD0756 | CHARULATHA M | 92 |
| 7. | 22TD0757 | EZHILARASI E | 96 |
| 8. | 22TD0758 | GOPIKRISHNAN P | 92 |
| 9. | 22TD0759 | GURUMOORTHY B | 88 |
| 10. | 22TD0760 | HARISHKUMAR K | 96 |
| 11. | 22TD0761 | IMMANUVEL A | 92 |
| 12. | 22TD0762 | IMRAN FAROSE J | 88 |
| 13. | 22TD0763 | JAYAVARDANI S | 96 |
| 14. | 22TD0764 | KARTHIK ROSHAN M | 92 |
| 15. | 22TD0765 | KUNAL M | 88 |

Dr. S. SEENUVASAMURTHI, M.E., Ph.D.

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| | | | |
|-----|----------|-------------------------|----|
| 16. | 22TD0766 | LADISLAS A | 96 |
| 17. | 22TD0767 | LAKSHMI M | 96 |
| 18. | 22TD0768 | LOGESHWARAN R | 96 |
| 19. | 22TD0769 | MADHESH P | 88 |
| 20. | 22TD0770 | MAGATHI S | 92 |
| 21. | 22TD0771 | MAHALAKSHMI R | 92 |
| 22. | 22TD0772 | MANORANJITH R | 88 |
| 23. | 22TD0773 | MONICA P | 92 |
| 24. | 22TD0774 | MOUHAMED AZAROUNDINE | 88 |
| 25. | 22TD0775 | MURALIDHARAN M | 96 |
| 26. | 22TD0776 | NARESH B | 88 |
| 27. | 22TD0777 | NARKEES BEGAM A | 88 |
| 28. | 22TD0778 | POOVARASAN P | 92 |
| 29. | 22TD0779 | PRAVINKUMAR P | 92 |
| 30. | 22TD0780 | RANI V | 92 |
| 31. | 22TD0781 | SAISRIDHAR J | 88 |
| 32. | 22TD0782 | SARUMATHI C | 96 |
| 33. | 22TD0783 | SELLIAMMA A | 96 |
| 34. | 22TD0784 | SELVAGANAPATHY J | 96 |


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| | | | |
|-----|----------|-------------------------------|----|
| 35. | 22TD0785 | SENTHIL R | 92 |
| 36. | 22TD0786 | SHAIK MOHAMMAD MOOSA | 92 |
| 37. | 22TD0787 | SHARFOUNISHA MR | 92 |
| 38. | 22TD0788 | VASANTH KUMAR G | 88 |
| 39. | 22TD0789 | VELAN A | 88 |
| 40. | 22TD0790 | VIDIYA SAGAR KUMAR VERMA G | 88 |

Sunadhyam
HOD

[Signature]
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VALUE ADDED COURSES

2022-2023

Department of Science & Humanities.

22SH01- Mathematical Modeling

NAME:

CLASS:

DATE:

1. What is the slope of a line passing through the points (1, -1) and (-1, 1)
- (a) 1
 - (b) -1
 - (c) 0
 - (d) 0.5

Answer-b

2. What is the slope of line passing through the points (0, 1) and (1, 1)
- (a) 1
 - (b) -1
 - (c) 0
 - (d) 0.5

Answer-c


3. What is the equation of line passing through the point (0, -3) and slope 3/4
- (a) $y = 4/3 x - 3$
 - (b) $y = 4/3 x + 3$
 - (c) $y = -3/4 x - 3$
 - (d) $y = 3/4 x - 3$

Answer-d

4. What is the equation of line passing through the points (1, -3) and (3, 1)
- (a) $y = 2x - 7$
 - (b) $y = -2x - 7$
 - (c) $y = -2x + 5$
 - (d) $y = 2x - 5$

Answer-d




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5. Equation of a line whose x-intercept is 1 and y-intercept is -1

- (a) $x + y = 1$
- (b) $x - y = 1$
- (c) $x + y = -1$
- (d) $x - y = -1$

Answer-b

6. Equation of a line whose slope is $-\frac{2}{3}$ and y-intercept is -1

- (a) $3x + 2y = 3$
- (b) $2x - 3y = 1$
- (c) $2x + 3y = 3$
- (d) $2x + 3y = -3$

Answer-d

7. Equation of a line whose slope is $-\frac{3}{2}$ and x-intercept is 1

- (a) $3x + 2y = 3$
- (b) $2x - 3y = 1$
- (c) $2x + 3y = 3$
- (d) $2x + 3y = -3$

Answer-c

8. What is the slope of the line whose equation is $3x - 4y = 7$

- (a) $-\frac{4}{3}$
- (b) $\frac{4}{3}$
- (c) $-\frac{3}{4}$
- (d) $\frac{3}{4}$

Answer-d

9. P: Slope of a horizontal line is 1.

Q: Slope of a vertical line is undefined.

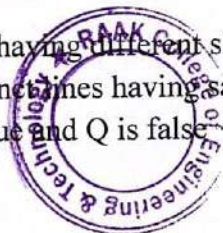
- (a) P is true and Q is false
- (b) P is false and Q is true
- (c) P and Q are false
- (d) P and Q are true

Answer-b

10. P: Two lines having different slopes is always intersect.

Q: Two distinct lines having same slopes is never intersect.

- (a) P is true and Q is false



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- (b) P is false and Q is true
- (c) P and Q are false
- (d) P and Q are true

Answer-d

11. Find the equation of the line that passes through the point (3, 5) and is parallel to the line $2x + 5y = 4$

- (a) $5x + 2y = 25$
- (b) $2x - 5y = -19$
- (c) $2x + 5y = 31$
- (d) $2x + 5y = -19$

Answer-c

12. Find the equation of the line that passes through the point (3, 7) and is perpendicular to the line $5x - y = 4$

- (a) $x + 5y = 38$
- (b) $5x - y = 8$
- (c) $x - 5y = -32$
- (d) $x + 5y = 38$

Answer-d

13. Find the equation of the line that passes through the point (0, 1) and is parallel to the line $x = 0$

- (a) $y = 0$
- (b) $y = 1$
- (c) $y = -1$
- (d) None of the above

Answer-d

14. Find the equation of the line that passes through the point (0, 1) and is perpendicular to the line $x = 0$


- a) $y = 0$
- (b) $y = 1$
- (c) $y = -1$
- (d) None of the above

Answer-b

15. Find the equation of the line that passes through the point (1, 0) and is perpendicular to the line $y = 0$

- (a) $x = 0$
- (b) $x = 1$
- (c) $x = -1$
- (d) None of the above




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Answer-b

16. What is the solution of the system of linear equation given below $3x + 10y = 115$ $11x + 4y = 95$

- (a) (10, 5)
- (b) (5, 10)
- (c) (-5, 10)
- (d) None of the above

Answer-b

17. What is the solution of the system of linear equation given below $x + y = 1$ $x - y = -1$

- (a) (0, 1)
- (b) (0, -1)
- (c) (1, 0)
- (d) (-1, 0)

Answer-a

18. What is the solution of the system of linear equation given below $2x - 3y = 1$ $2x - 3y = -1$

- (a) (-1, -1)
- (b) (1, 1)
- (c) (1, 0)
- (d) No solution

Answer-d

19. $x - 3y = 1$ $x - 3y = -1$ the linear system of equation has

- (a) Unique solution
- (b) Infinitely many solutions
- (c) No solution
- (d) None of the above

Answer-c

20. $x - 3y = 1$ $2x - 3y = -1$ the linear system of equation has


- (a) Unique solution
- (b) Infinitely many solutions
- (c) No solution
- (d) None of the above

Answer-a

21. $2x - 3y = 1$ $4x - 6y = 2$ the linear system of equation has

- (a) Unique solution




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- (b) Infinitely many solutions
- (c) No solution
- (d) None of the above

Answer-b

22. $2x - 6y = 4$ $3x - 9y = 6$ the linear system of equation has

- (a) Unique solution
- (b) Infinitely many solutions
- (c) No solution
- (d) None of the above

Answer-b

23. What is the solution of the system of linear equation given below $x - y + 5z = -6$ $3x + 3y - z = 10$ $1x + 3y + 2z = 5$

- (a) (1, 0, 1)
- (b) (1, 1, -1)
- (c) (1, 0, 2)
- (d) (1, 2, -1)

Answer-d

24. P: Two Matrices can add only if they have same order.

Q: Two Matrices can add only if they are square matrices.

- (a) P is true and Q is false
- (b) P is false and Q is true
- (c) P and Q are false
- (d) P and Q are true

Answer-a

25. Let A be a matrix of order $m \times n$ and B be a matrix of order $p \times q$. Then $A + B$ is defined if and only if

- (a) $m = p$ and $n = q$
- (b) $m = p$ and $n \neq q$
- (c) $m \neq p$ and $n = q$
- (d) $m \neq p$ and $n \neq q$

Answer-a



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VALUE ADDED COURSES

2022-2023

Department of Science & Humanities.

22SH01- Mathematical Modeling

NAME: ADHITYAN.M
CLASS: I/S&H
DATE: 20/08/2022

1. What is the slope of a line passing through the points (1, -1) and (-1, 1)

- (a) 1
- (b) -1
- (c) 0
- (d) 0.5



$\frac{22}{25}$ 88%

2. What is the slope of line passing through the points (0, 1) and (1, 1)

- (a) 1
- (b) -1
- (c) 0
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AD

3. What is the equation of line passing through the point (0, -3) and slope 3 4

- (a) $y = 4 3 x - 3$
- (b) $y = 4 3 x + 3$
- (c) $y = -3 4 x - 3$
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4. What is the equation of line passing through the points (1, -3) and (3, 1)

- (a) $y = 2x - 7$
- (b) $y = -2x - 7$
- (c) $y = -2x + 5$
- (d) $y = 2x - 5$



5. Equation of a line whose x-intercept is 1 and y-intercept is -1

- (a) $x + y = 1$
- (b) $x - y = 1$
- (c) $x + y = -1$
- (d) $x - y = -1$



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6. Equation of a line whose slope is $-\frac{2}{3}$ and y-intercept is -1

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X

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4

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X

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- (a) $(-1, -1)$
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24. P: Two Matrices can add only if they have same order.

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Certificate of Completion

2022-2023

This is to certify that Mr/Ms **NELAN A**

Year.....**I**..... Department.....**S&H**..... has successfully Completed the Value added course.

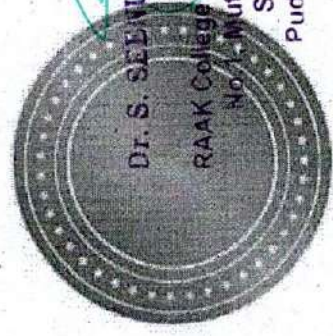
COURSE TITLE: **MATHEMATICAL MODELING** SCORE: **88**

COURSE DURATION: **(9-8-22 to 18-8-22)**



[Signature]

HOD



[Signature]

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Value Added Courses

2022-2023

Department of Science & Humanities.

22SH02- CHEMISTRY OF INDUSTRIAL PROCESS

MARK SHEET

| Sl. No | Register Number | Student Name | MARKS |
|--------|-----------------|---------------|-------|
| 1. | 22TH0351 | AMARNATH A | 88 |
| 2. | 22TH0352 | ARCHANA K | 92 |
| 3. | 22TH0353 | ARTHI S | 96 |
| 4. | 22TH0354 | BALAMURUGAN P | 92 |
| 5. | 22TH0355 | DHANUSU E | 88 |
| 6. | 22TH0356 | GOKULNATH A | 96 |
| 7. | 22TH0357 | HARIHARAN M | 92 |
| 8. | 22TH0358 | HARINI P | 92 |
| 9. | 22TH0359 | HARISH RAJ K | 92 |
| 10. | 22TH0360 | HEMALATHA P | 96 |
| 11. | 22TH0361 | JAGANATHAN C | 96 |
| 12. | 22TH0362 | JAMUNA M | 88 |



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| 15. | 22TH0366 | KAVIARASAN P | 92 |
| 16. | 22TH0367 | KISHOTHKUMAR R | 96 |
| 17. | 22TH0368 | MANOJ A | 88 |
| 18. | 22TH0369 | MATHINA B | 92 |
| 19. | 22TH0370 | MOHAMMED IBRAHIM IRFAN S | 96 |
| 20. | 22TH0371 | NISHANTHI D | 96 |
| 21. | 22TH0372 | PALAPERAGASAM N | 88 |
| 22. | 22TH0373 | PERUMAL N | 96 |
| 23. | 22TH0374 | PRAVIN KUMAR M | 88 |
| 24. | 22TH0375 | RAMINASH M | 88 |
| 25. | 22TH0376 | ROHITH V | 92 |
| 26. | 22TH0377 | SARAVANAN B | 88 |
| 27. | 22TH0378 | SRIRAM S | 96 |
| 28. | 22TH0379 | SRIVELAN K | 96 |
| 29. | 22TH0380 | SUBRAMANIAN ALIAS SANTHOSH K | 96 |

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| 30. | 22TH0381 | SUDHAKAR S | 92 |
| 31. | 22TH0382 | SURENDER V | 88 |
| 32. | 22TH0383 | SURYA R | 96 |
| 33. | 22TH0384 | SURYA S | 88 |
| 34. | 22TH0385 | THAMIZHSELVAM R | 92 |
| 35. | 22TH0386 | VENKATESH S | 96 |
| 36. | 22TH0387 | VETHESH C | 96 |
| 37. | 22TH0388 | VIGNESH KUMAR S | 92 |
| 38. | 22TH0389 | YOGESH H | 96 |
| 39. | 22TC0552 | EDWIN J | 88 |
| 40. | 22TC0553 | JAYAPRRAKASH G | 88 |
| 41. | 22TC0554 | KIRUBAKARAN S | 88 |
| 42. | 22TC0556 | MUGENDHAN D | 96 |
| 43. | 22TC0557 | PRAVIN G | 96 |
| 44. | 22TC0559 | SUPRAJA S | 88 |
| 45. | 22TE0142 | KAVIPRIYA B | 92 |
| 46. | 22TE0143 | MAHENDRAN P | 88 |



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| | | | |
|-----|----------|-----------------|----|
| 47. | 22TE0142 | KAVIPRIYA B | 96 |
| 48. | 22TE0143 | MAHENDRAN P | 92 |
| 49. | 22TE0144 | MANIBHARATHI S | 88 |
| 50. | 22TE0145 | SHYAM SAKTHI S | 96 |
| 51. | 22TE0146 | THULASIDHARAN M | 96 |
| 52. | 22TB0111 | KEERTHI VASU G | 92 |
| 53. | 21TB0112 | VIMAL KANTH M | 88 |

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VALUE ADDED COURSES

2022-2023

Department of Science & Humanities.

22SH02- CHEMISTRY OF INDUSTRIAL PROCESS

NAME:

CLASS:

DATE:

1. Industrial Sector involves _____.

- a) Construction
- b) Fisheries
- c) Textile
- d) All of the Above

ANSWER : d

2. GATT was created in _____.

- a) 1950
- b) 1947
- c) 1948
- d) 1951

ANSWER : b

3. India is awarded a certification of POLIO free country by _____.

- a) World Health Organization
- b) World Health Center
- c) National Health Center
- d) None of the above

ANSWER : a

4. Types of business _____.

- a) Service
- b) Manufacturing
- c) Trade
- d) All of the Above

ANSWER : d




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5. Textile industrial sector involves _____.

- a) Petrochemical
- b) Sericulture
- c) Tobacco
- d) Seeds

ANSWER : b

6. Indian Central Bank is _____.

- a) Shamrao Vitthal Co-operative Bank (SVC).
- b) State Bank of India(SBI)
- c) Reserve Bank of India(RBI)
- d) d) Central Bank of India(CBI)

ANSWER : c

7. Top agro industry in India is _____.

- a) DuPont India
- b) FabIndia
- c) Pidilite
- d) None of the above

ANSWER : a

8. Insurance companies are growing at the annual compound rate of _____.

- a) 100%
- b) 30%-40%
- c) 15%-20%
- d) 30%

ANSWER : c

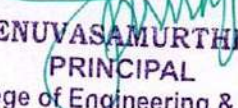
9. Major functions of insurance Company _____.

- a) To provide certainty
- b) To provide protection
- c) Shares risk
- d) d) All of Above.

ANSWER : d

10. Cipla is a _____
a) Textile Industry




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- b) Process Industry
- c) IT industry
- d) Chemical Industry

ANSWER : d

11. WTO stands for _____.

- a) World Test Organization
- b) World Trade Organization
- c) Work Test Organization
- d) World Trade Organics

ANSWER : b

12. ITO stands for _____.

- a) International Trance Organization
- b) International Test Organization
- c) Internal Trade Organization
- d) International Trade Organization

ANSWER : d

13. GATT stands for _____.

- a) Global Agreement on Tariffs and Trade
- b) General Aggregation on Tariffs and Trade
- c) General agreement on Tariffs and Trade
- d) General agreement on Traffics and Trade

ANSWER : c

14. LPG _____.


- a) Liquid, Petroleum, Gas
- b) Liberalization, Privatization, Globalization
- c) Liberate, Private, Globalization
- d) Liberate, Private, Global

ANSWER : b

15. India is awarded a certification of POLIO free country in _____.

- a) January 2011
- b) January 2009
- c) January 2014




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d) June 2011

ANSWER : a

16. ITDC stands for _____.

- a) Indian Tourist Development Corporation
- b) Indian Tourism Development Corporation
- c) Indian Tourist Development Co-operative
- d) Indian Tourism Data Corporation

ANSWER : b

17. Hospitality industry categories _____.

- a) Food and Beverages
- b) Accommodations
- c) Travel and Tourism
- d) All of Above.

ANSWER : d

18. FTA stands for _____.

- a) Financial Transfer Arrival
- b) Foreign Transfer Arrival
- c) Foreign Tourist Arrival
- d) Foreign Tourist Arrangement

ANSWER : c

19. Service enterprise provides the services that are called as _____.

- a) Intangible goods
- b) Manufacturing
- c) All of Above
- d) None of Above.


ANSWER : a

20. Engineering Industrial Sector not involves _____.

- a) Civil
- b) Mechanical
- c) Chemical
- d) Filament Winding

ANSWER : d




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21. Business is the Process of providing platform to the people to exhibit their _____ and _____ abilities.
- a) Technical and economical
 - b) Thinking and Mental
 - c) Technical and Managerial
 - d) Leadership and vocal

ANSWER : c

22. Which one of the following is not a broad category of chemical industry?
- a) Durable products
 - b) Basic chemical
 - c) Life sciences
 - d) Consumer products

ANSWER : a

23. According to Drucker , the purpose of business :
- a) To get money
 - b) To acquire success in market
 - c) To satisfy customers
 - d) To create and keep customers

ANSWER : d

24. Which one of the following is a fertilizer?
- a) Nitrogen
 - b) Soda ash
 - c) Chlorine
 - d) Ammonia

ANSWER : d

25. Which one of the following categories of chemical industries has smallest volume?
- a) Basic chemicals
 - b) Life sciences
 - c) Speciality chemicals
 - d) Consumer products

ANSWER : b




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VALUE ADDED COURSES

2022-2023

Department of Science & Humanities

22SH02- Chemistry of Industrial Process

NAME: JAMUNA.M
CLASS: I / S & H
DATE: 20/08/2022

1. Industrial Sector involves _____.

- a) Construction
- b) Fisheries
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- d) All of the Above

$\frac{22}{25}$

88%

[Signature]

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d) Seeds

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Certificate of Completion

2022-2023

This is to certify that Mr/Ms **KAVIPRIYA B**

Year.....**I**..... Department.....**S&H**..... has successfully Completed the Value added course.

COURSE TITLE: **CHEMISTRY OF INDUSTRIAL PROCESS**

SCORE: **96**

COURSE DURATION: **(9-8-22 to 13-8-22)**



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