

**WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS
AND SCIENCE, KAYALPATNAM-628204**

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

Run by: WAVOO SAR EDUCATIONAL TRUST

(Minority Institution)

**INDUCTION PROGRAMME THROUGH BRIDGE COURSE
REPORT (2023-2024)**



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KAYALPATNAM-628204
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Department of Mathematics
Syllabus For Bridge Course(2023-2024)

Unit – I

1 Hr

Polynomial – System of linear equations with two unknown x&y – Quadratic Polynomials – Relation Between roots and Coefficient – Square root of a polynomial – Binomial theorem – Matrices and Determinant.

Unit – II

1 Hr

Differentiation – Basic Formulas – Product Rule – Quotient rule –Derivative of a composite function,

Unit – III

1 Hr

Integration – Basic Formulas – parametric functions – Definite Integrals

Unit – IV

1 Hr

Reasoning – Coding – Mensuration problems

S.No	Topics Covered	Staff Handling	Signature
1	UNIT - I - Algebra	Miss.J.Jency Selina	For, J.Jency Selina
2	UNIT - II - Differentiation	Mrs.V.Subprabha	V. Subprabha
3	UNIT - III - Integration	Miss.M.Kavitha	M. Kavitha
4	UNIT - IV - Reasoning	Miss.M.Muthulakshmi	M. Muthulakshmi


HOD


4/7/2023
PRINCIPAL

BRIDGE COURSE ATTENDANCE SHEET - YEAR - 2023 - 2024

BATCH:2023-2026

100

SEMESTER-I

10

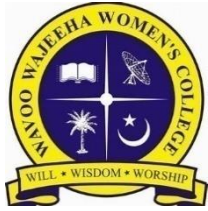
10

BA

ICM:2023-2026

Remarks

SL. NO.	ADMIN. NO.	DATE	DAY ORDER	I					II					III					IV					V					VI					Remarks
				1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5						
1	6819	DHARANI R		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
2	6909	FATHIMA MAHDHIYA S B		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
3	6820	FATHIMA RILA B		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
4	6876	GNANA MUTHU LAKSHMI N		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
5	6821	IOSHANA BARVIN		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
6	6822	JOTHIKA S		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
7	6823	MALAIYAMMAL M		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
8	6926	MUTHU PRIYA C																																
9	6824	OVIYA		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
10	6825	PANIMAYA ROSHINI S		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
11	6826	PRADYA M		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
12	6827	RINOSHA BANU		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
13	6828	SAPFERIN SHIBAM		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
14	6829	SHANNUGA PRIYAL		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
15	6830	SYED RABIYATHOOL MISRIYA K M		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								
16	6831	YASMINNE HAMETHA J		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X								



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Department of Mathematics

Bridge Course Question Paper

Class: I B.Sc., Mathematics

Total: 20 Marks

1. If $a*b = 2a - 3b + ab$, then $3*5 + 5*3$ is equal to

- a) 22 b) 24 c) 26 d) 28

2. If $x = -2/3$, then $9x^2 - 3x - 11$ is equal to

- a) -13 b) 13 c) -5 d) -17

3. Find the product of two consecutive numbers where four times the first number is 10 more than thrice the second number.

- a) 210 b) 156 c) 182 d) 306

4. If $-4x + 5y$ is subtracted from $3x + 2y$ then the answer will be

- a) $3x + 6y$ b) $2x + 5y$ c) $x - 3y$ d) $x + 3y$

5. If $a = 20$, $b = 35$ and $c = 5$ then $(4a + b)/c$ is

- a) 23 b) 115 c) 53 d) 43

6. What is the value of $d/dx (\sin x^3 \cos x^2)$?

- a) $3x^2 \cos x^2 \cos x^3 + 2x \sin x^3 \sin x^2$ b) $3x^2 \cos x^2 \cos x^3 - 2x \sin x^3 \sin x^2$
c) $2x \cos x^2 \cos x^3 - 2x \sin x^3 \sin x^2$ d) $2x \cos x^2 \cos x^3 + 3x^2 \sin x^3 \sin x^2$

7. What is the value of $\ln 3/x$?

- a) $2/x$ b) $-3/x^3$ c) $-9/x^3$ d) $9/x^3$

8. What is the value of $d/dx (\cos^2 x \tan x)$ at $x = 1$?

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

9. Find the derivative of e^{x^2} .

- a) e^{x^2} b) $2x$ c) $2e^{x^2}$ d) $2xe^{x^2}$

10. Differentiate $\sin(3x+5)$

- a) $\cos(3x+5)$ b) $3\cos(3x+5)$ c) $\operatorname{cosec}(3x+5)$ d) $3\operatorname{cosec}(3x+5)$

11. $\int \frac{\sin x}{\cos^2 x} dx$

- a) $\sec x + C$ b) $-\sec x + C$ c) $\operatorname{Cosec} x + C$ d) $-\operatorname{Cosec} x + C$

12. $\int \frac{10x^3 - 4}{x^5} dx$

- a) $\frac{5}{2}x^4 + x^{-4} + C$ b) $-10x + \frac{1}{x^4} + C$ c) $-\frac{10}{-3x^3} + \frac{2}{3x^6} + C$ d) none

13. $\int x \sin x dx$

- a) $\cos x + \sin x + C$ b) $\sin x + C$ c) $-x \cos x + \sin x + C$ d) $\tan x + C$

14. $\int \frac{1}{\sin^2 x} dx$

- a) $\tan x + C$ b) $-\cot x + C$ c) $\operatorname{cosec} x + C$ d) $\sin x + C$

15. $\int x^{11} dx$

- a) $\frac{x^{12}}{12} + C$ b) $\frac{x^{10}}{10} + C$ c) $-\frac{x^{12}}{12} + C$ d) $x^{12} + C$

16. What number should come next? 36, 34, 30, 28, 24, ...

- a) 20 b) 22 c) 23 d) 26

17. Complete the series 1, 3, 6, 10, 15, _____.

- a) 31 b) 21 c) 20 d) 30

18. Find the odd man out: 9, 18, 27, 38, 45, 54, 63.

- a) 45 b) 27 c) 27 d) 38

19. Find the odd man out 3, 5, 11, 14, 17, 21

- a) 21 b) 17 c) 14 d) 3

20. What number should come next? 8, 22, 8, 28, 8, ...

- a) 9 b) 29 c) 32 d) 34



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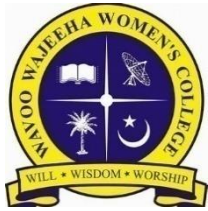
Department of Mathematics
Marks – Bridge Course (2023-24)

S.No	Name	Marks
1	R.Dharani	7
2	S.B. FathimaMahdiya	12
3	B.FathimaRila	16
4	N.GnanaMuthu Lakshmi	17
5	M.IqshanaBarvin	13
6	S.Jothika	10
7	M.Malaiyammal	8
8	C.MuthuPriya	5
9	O.Oviya	15
10	S.PanimayaRoshini	9
11	M.Ramya	10
12	M.RinosaBanu	17
13	M.SaffrinShiba	AB
14	I. ShanmugaPriya	11
15	K.M.SyedRabiyathoolMisiriya	10
16	J.YasmineHametha	10


ADVISOR


HOD


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Bridge Course Feedback Form**

Class: I B.Sc., Mathematics

1. Name:

2. How relevant was the content discussed by the speaker?

Very good

Good

Neutral

Poor

3. How much interesting this session was for you?

Very good

Good

Neutral

Poor

4. What is your opinion about the speaker?

Very good

Good

Neutral

Poor

5. How much this session was useful from the knowledge and information point of view?

Very good

Good

Neutral

Poor

6. Overall Effectiveness of the lecture.

Very good

Good

Neutral

Poor

7. Suggestions if any _____