



WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE, KAYALPATNAM
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
Run by Wavoo SAR Educational Trust
(Minority Institution)



**DEPARTMENT OF
MATHEMATICS**

BRIDGE COURSE REPORT

(2019-2020)

DEPARTMENT OF MATHEMATICS

BRIDGE COURSE REPORT 2019-2020

No. Present

Initial

25

120 | MC

Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam

Department of Mathematics

Bridge course Syllabus (2019-2020)

Unit-I Algebra

Polynomials- System of Linear Equations with two unknowns-Quadratic Polynomials- Fundamental theorem of Algebra- Factorization of Polynomials- Square root of a Polynomial- Solution of a quadratic Equation- Nature of Roots- Binomial Theorem-Matrix-Order of a matrix – Types of a matrix.

Unit-II Differentiation

Basic Formulas- Product Rule for Differentiation- Quotient Rule for Differentiation- Derivative of a composite function – Differentiation of Parametric functions.

Unit-III Integration

Basic Formula- Properties of Integrals- Definite Integrals.

Unit- IV Reasoning

Coding and Decoding- Alphanumeric series- Blood Relations- Reasoning Analogies- Clocks-Calendars.



Signature of HOD



R.C.Venkatesh
Signature of Principal



**WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND
SCIENCE, KAYALPATNAM-628204**
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(Minority Institution)
Department of Mathematics

Marks – Bridge Course (2019-2020)

S.NO	NAME	MARKS
1	ABISHA S	18
2	AFREEN BANU M	19
3	AHAMED MUSTHABSIRA T S I	15
4	AJIS	13
5	AYISHA FARHANA H	11
6	BALA SNEHA S	11
7	BARANI K	17
8	BIRUNTHA K	18
9	DIVYA P	14
10	FATHIMA MUVAFFIKA N R	20
11	FATHIMA RUFAIKA S A K	20
12	FATHIMA THAHSEEN A K	16
13	GAUSHALYA R	18
14	GAYATHRI E	13
15	GOWSALYA R	17
16	GRAFTINA V	19
17	HARIPRIYA M	20
18	JOBILA A	14
19	KATHEEJA RIFKA S N	14
20	KAVITHA P	17
21	KEERTHANA M	18
22	MAHARASI C	13
23	MARIMUTHU S	15
24	MONISHA D	16
25	MUTHUMARI B	15

27	DEERTHI M	18
28	RAKHALAKSHMI N	19
29	RAMISHA PARVEEN S	12
30	SAFA MAHMOODA MARYAM N M	11
31	SAMEENA BEGAM M P	17
32	SANGEETHA G	17
33	SANTHIYA S	15
34	SEYED RABIYA RIFKA A R	11
35	SHARMILA M	11
36	SHERLY S	18
37	SOMA SUNDARI S	17
38	SONA P	12
39	SUBA M	20
40	SUMITHRA M	16
41	SUTHA P	11
42	VIJAYA LAKSHMI M	14
43	VIJAYALAKSHMII A	17
44	VIJITHRA K	20
45	ZAINAB Z A	19

S. Malathi
ADVISOR

Dr. S. Indu
HOD

WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS AND
 SCIENCE
 KAYALPATNAM
 Entry Level Test

Class : I B. Sc., Maths

Marks: 25

Date: 28.06.2019

Time: 1 Hr

I. சரியான விடையை தேர்ந்தெடுத்து எழுதக்

1. தமிழின் எழுத்துகளின் எண்ணிக்கை

அ) 216 ஆ) 246 இ) 247 ர) 200

2. பாப்பா பாட்டின் ஆசிரியர்

அ) பாரதியார் ஆ) பாரதிநாசன் இ) கவிமணி
 ர) திரு.வி.க

3. திருப்பாவை நாலின் ஆசிரியர்

அ) ஆண்டாள் ஆ) பெரியாழ்வார்
 இ) பொய்கையாழ்வார் ர) பூதத்தாழ்வார்

4. ஜூம்பெரும் காப்பியங்களில் ஒன்று

அ) மகாபாரதம் ஆ) பெரிய புராணம் இ) சௌக சிந்தாமணி
 ர) மூந்தம்

5. இ-மெயில் தமிழாக்கம்

அ) குறுந்தகவல் ஆ) மின்னஞ்சல் இ) தகவல் ர) புலனம்

II Answer the following

6. God gives those _____ help themselves (who/ what)
 7. Give us _____ banana (a, an)
 8. Are _____ your shoes, lying outside in the garden (these/ those)
 9. He is a literate, _____ (is n't he? /is he?)
 10. The book is _____ the table. (About / on)

III. Answer the following

11. The value of $\text{cosec}(3\pi/2) =$
 a) 1 b) -1 c) 0 d) none
 12. Which of the following is/are true?
 (i) $\sin^2 x + \cos^2 x = (\sin x + \cos x)^2$
 (ii) $\sin^{-1} x = 1/\sin x$
 a) only (i) is true b) only (ii) is true
 c) both (i) and (ii) are true d) None
 13. $30^\circ =$ _____ radian.
 a) $\pi/2$ b) $\pi/4$ c) $\pi/6$ d) $\pi/8$
 14. The conic section is called a hyperbola if the eccentricity e is
 a) 1 b) < 1 c) > 1 d) 0
 15. Every equation of degree n has _____ roots
 a) Less than n b) greater than n c) equal to n d) none
 16. The quadratic equation $ax^2 + bx + c = 0$ has real and equal roots if
 $b^2 - 4ac$ is
 a) Greater than 0 b) Less than 0 c) equal to 0 d) none

17. Which is the only number that is the perimeter and area of the same square?

a) 16 b) 64 c) 100 d) 25

18. The term Average is frequently employed in

a) Mensuration b) Statistics c) Trigonometry d) geometry

19. An impossible event is one whose probability of occurrence is _____

a) 1 b) -1 c) 0 d) 10

20. The value of $\int \tan x \, dx =$ _____.

a) $\sec^2 x + c$ b) $\sec x \cdot \tan x + c$
c) $\log(\cot x) + c$ d) $\log(\sec x) + c$

21. A square matrix $A = (a_{ij})$ is called a diagonal matrix if

a) $a_{ij} \neq 0$ for $i \neq j$ b) $a_{ij} = 0$ for $i \neq j$
c) $a_{ij} = 0$ for $i < j$ d) $a_{ij} = 0$ for $i > j$

22. _____ states that the square of the hypotenuse of a right-angled triangle is equal to the sum of the squares of the other two sides.

a) Euler's theorem b) Pythagoras theorem
c) Euclid's theorem d) None of these

23. A _____ is a parallelogram which has two adjacent sides equal.

a) Rectangle b) Trapezium
c) Rhombus d) Quadrilateral

24. The identity $(a+b)^2 = a^2 + b^2$ is true if

a) $a=0$ b) $b=0$
c) both $a=0$ and $b=0$ d) all of the above

25. The value of $(uv)' =$ _____.

a) $u'v'$ b) $uv' - vu'$ c) $uv' + vu'$ d) $u' + v'$