



## **WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS & SCIENCE - KAYALPATNAM**

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)  
Run by Wavoo SAR Educational Trust  
(Minority Institution)

### **CRITERION II - TEACHING - LEARNING AND EVALUATION**

#### **2.3.1 Student Centric Methods and Strategies Used for Enhancing Learning Experiences**

##### **Problem Solving Methodologies**

**Submitted to**

**THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
(NAAC)**



## **WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS & SCIENCE - KAYALPATNAM**

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### **CRITERION II**

#### **PROBLEM SOLVING METHODOLOGIES**

<b>S. No</b>	<b>Event /Course</b>
<b>1</b>	<b>Mathematical models/Poster Presentation</b>
<b>2</b>	<b>Numerical Ability Test</b>

## **Mathematical Models & Presentation**



**Students explaining Models of Graph Theory to Judges**



**Tower of Hanoi Mathematical Model by Students**

**Numerical Ability Test**  
**Department of Mathematics**

**Circular**

**Mathematics Association**

We are happy to inform that Mathematics Association is going to conduct Numerical Ability Test for UG & PG students of our Department on 29.08.2018, Wednesday at 9.20 a.m. in their respective classes.

  
Convenor

Date: 27.08.2018

R. C. Yaonini  
Principal

PRINCIPAL  
WAVOO WAJEEHA WOMEN'S COLLEGE  
OF ARTS AND SCIENCE  
Tiruchendur Road, Kayalpattanam-626 204.  
Thoothukudi Dist., Tamil Nadu.



## Sample Question Paper of Numerical Ability Test

**Wavoo Wajecha Women's College Of Arts And  
Science, Kayalpatnam  
Department Of Mathematics  
Numerical Ability Test**

**Date: 29-08-2018  
Time : 1 Hour**

**Max.Marks:25**

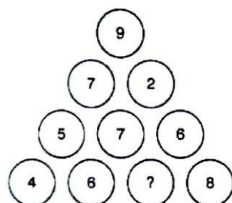
1. A fruit merchant bought oranges worth Rs. 11,500 and spent Rs.1500 in transporting them. He spent another Rs.500 for their storage and sold it and made a profit of 12% . At what Price did he sell the oranges for?  
(a) 15,000 (b) 14,120 (c) 15,120 (d) 12,880
2. A jewel box is sold for Rs.240 for a loss. If it was sold for Rs.330, the gain amount would have been  $\frac{1}{2}$  of the former loss amount. What was actual price of the jewel box?  
(a) Rs.260 (b) Rs.280 (c) Rs.275 (d) Rs.300
3. Ram bought a pair of boxes and sold it to Neena making a loss of 20%. Neena sold it to for Rs.180 & made a profit of 50%. What was the original price of the boxes at which Ram bought them?  
(a) Rs.120 (b) Rs.130 (c) Rs.200 (d) Rs.150
4. A Person Sells cinema tickets at 15% discount and still makes 8% Profit. Find the marked price in the ticket if he sold in for Rs.34.  
(a) Rs.43 (b) Rs.41.66 (c) Rs.44.44 (d) none of these
5. The list Price of a watch is Rs. 4250 successive discounts of 10% and 15% is give on it. Find the selling Price of the watch?  
(a)Rs.3251.25 (b) Rs. 3645.12 (c) Rs.3187.5 (d) none of these.

**Q.No. 6-9 - Read the Passage and answer the questions that follow.**

Ganesh, Adithya and Easwar hire a bike for 18 hrs. Ganesh uses the bike for 4 hrs, Easwar for 5 hours and remaining time. Adithya uses it if they had to pay Rs.1800 for hiring the bike find out the following.

6. In what ratio will they have to pay for hiring the bike?  
(a) 4:9:5 (b) 2:3:5 (c) 2:9:3 (d) 3:2:6
7. What amount will be paid by Ganesh as his share?  
(a) Rs.800 (b) Rs.300 (c) Rs.400 (d) Rs.1200
8. What is Adithya's share of money while Paying the bikes rent?  
(a) Rs.800 (b) Rs.500 (c) Rs.700 (d) Rs.400
9. What is Easwar share of money while paying the rent of the bike ?  
(a) Rs.900 (b) Rs.500 (c) RS. 400 (d) Rs.800
10. Natural numbers form a subset of \_\_\_\_\_  
(a) integers (b) whole number (c) composite numbers (d) both (a)&(b)
11. How many prime numbers are there between 1 and 70?  
(a) 20 (b) 18 (c) 19 (d) 21.
12. How many of the following numbers are divisible by 19?  
1349, 778, 1672, 839, 389.  
(a) 2 (b) 3 (c) 4 (d) 1.

13. The sum of even number of odd numbers is \_\_\_\_\_.  
(a) always even (b) always odd (c) even or odd (d) cannot be determined.
14. Which of the following numbers is a cube?  
(a) 19640 (b) 12469 (c) 10000 (d) 19683.
15. What numbers should replace the question mark?

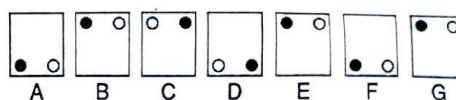


- (a) 1 (b) 0 (c) 4 (d) 2
16. What is X ? 131 517 192 X  
(a) 4 (b) 3 (c) 1 (d) 2
17. SUNDAY  
MONDAY  
TUESDAY  
WEDNESDAY  
THURSDAY  
FRIDAY  
SATURDAY

What day comes three days after the day which comes two days after the day which comes immediately after the day which comes two days after Monday?

- (a) Saturday (b) Thursday (c) Tuesday (d) Sunday .

18. Which does not belong in this sequence?



- (a) G (b) D (c) E (d) B
19. Which number is the odd one out?

84129, 32418, 47632, 36119, 67626, 72927

- (a) 47632 (b) 84129 (c) 36119 (d) 72927
20. What number continues the sequence?  
25, 20, 27, 46, 31, 38, 39, ?  
(a) 29 (b) 32 (c) 45 (d) 22
21. If  $5^a = 3125$ , then the value of  $5^{(a-3)}$  is \_\_\_\_\_

- (a) 25 (b) 50 (c) 250 (d) 300

22. If  $3^{x-y} = 27$  and  $3^{x+y} = 243$ , then x is equal to

- (a) 0 (b) 2 (c) 4 (d) 6

23. How many times in a day, are the hands of a clock in straight line but opposite in direction?

- (a) 11 (b) 10 (c) 22 (d) 6

24. Today is Monday. After 61 days, it will be:

- (a) Wednesday (b) Saturday (c) Tuesday (d) Thursday

25. How many days are there in x weeks x days?

- (a)  $7x^2$  (b)  $8x$  (c)  $14x$  (d) 7

## Score Card of Students - Numerical Ability Test



**WAVOO WAJEEHA WOMEN'S COLLEGE  
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Run by : Wavoo SAR Educational Trust  
(minority institution)

**I B.Sc Mathematics**

**Numerical Ability Test**

**Participants Name List and Marks**

Date:

Academic Year : 2018- 2019

S.No	Reg.No	Name	Marks
1	20182241517201	AHAMED MARZOOKA K M S	12
2	20182241517202	ANJU@ ISWARYA A	4
3	20182241517203	ANNAPOORANI G	8
4	20182241517204	ARIYA LAKSHMI G	10
5	20182241517205	BALADIVYA A	11
6	20182241517206	BOOMADEVI V	6
7	20182241517207	DEEPAMANI T	8
8	20182241517208	FATHIMA AFRIN F A	11
9	20182241517209	FAHMIDHA A	9
10	20182241517210	FATHIMAAJEETHAMEERA H	7
11	20182241517211	HABIYA S	7
12	20182241517212	HAJARA SAFRIN A	11
13	20182241517213	HANNAJANNATH BEGAM A	6
14	20182241517214	INDHUMATHI M (28.01.2001)	8
15	20182241517215	INDHUMATHI M (21.05.2001)	11
16	20182241517216	JAMAL JASMINE P	15

S.No	Reg.No	Name	Marks
17	20182241517217	JEYANTHINI V	6
18	20182241517218	KANAHA G	6
19	20182241517219	MADHUBALA B	13
20	20182241517220	MANJU M	13
21	20182241517221	MARISELVI M (16.06.2001)	10
22	20182241517222	MARISELVI M (25.06.2001)	5
23	20182241517223	MIRUNA M	5
24	20182241517224	MOHUDOOM MEERA NACHI P S M	8
25	20182241517225	MUHAMMED AMINA FASEEHA M A K	11
26	20182241517227	MUTHU LAKSHMI M	10
27	20182241517228	MUTHULAKSHMI B	ab
28	20182241517229	MUTHULAKSHMI S	10
29	20182241517230	PARAMESWARI E	8
30	20182241517231	PAVITHRA L	8
31	20182241517232	PAVITHRA S	9
32	20182241517233	RAMYA M	11
33	20182241517234	SAMEERA BEGAM M	5
34	20182241517235	SAMEERA M R	12
35	20182241517236	SAMSU SAFRINA WOS	6
36	20182241517237	SANTHANA PRIYA M	15
37	20182241517238	SANTHIYA M	8
38	20182241517239	SARANYA S	12
39	20182241517240	SENTHURADEVI G	12
40	20182241517241	SHABANA S	ab

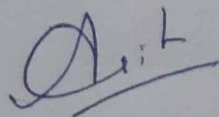


S.No	Reg.No	Name	Marks
41	20182241517242	SHALIHA S	10
42	20182241517243	SHALINI S	11
43	20182241517244	SNEKA S	10
44	20182241517245	SUNDARI S	9
45	20182241517246	SWETHA J	5
46	20182241517247	TAMILARASI E	10
47	20182241517248	THIRUNAVUKKARASI R	12
48	20182241517249	VIMINI T	9

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**Circular**  
**Mathematics Association**

We are happy to inform that Mathematics Association is going to conduct Numerical Ability Test for UG and PG students of our Department on 12.09.2019 Thursday , at 9:30a.m in their respective Classes.



**convenor**

**R.C.Vasuki**

**Principal**

**Date: 06.092019**

## Participants List and Their Score Cards



### WAVOO WAJEEHA WOMEN'S COLLEGE OF ARTS & SCIENCE - KAYALPATNAM

(Affiliated to Manonmanium Sundaranar University, Tirunelveli)

Run by : Wavoo SAR Educational Trust /  
(minority institution)

#### I B.Sc Mathematics Numerical Ability Test Participants Name List and Marks

Date: 12-9-2019

Academic Year : 2019-2020

S.No	Reg.No	Student's Name	Marks
1	20192241517201	ABISHA S	15
2	20192241517202	AFREEN BANU M	20
3	20192241517203	AHAMED MUSTHABSIRA T S I	19
4	20192241517204	AJI S	12
5	20192241517205	AYISHA FARHANA H	13
6	20192241517206	BALA SNEHA S	20
7	20192241517207	BARANI K	14
8	20192241517208	BIRUNTHA K	06
9	20192241517209	DIVYA P	16
10	20192241517210	FATHIMA MUVAFFIKA N R	17
11	20192241517211	FATHIMA RUFAIKA S A K	10
12	20192241517212	FATHIMA THAHSEEN A K	12
13	20192241517213	GAUSHALYA R	17
14	20192241517214	GAYATHRI E	20
15	20192241517215	GOWSALYA R	15
16	20192241517216	GRAFTINA V	15
17	20192241517217	HARIPRIYA M	06
18	20192241517218	JOBILA A	22
19	20192241517219	KATHEEJA RIFKA S N	17



20	20192241517220	KAVITHA P	12
21	20192241517221	KEERTHANA M	19
22	20192241517222	MAHARASI C	15
23	20192241517223	MARIMUTHU S	18
24	20192241517224	MONISHA D	16
25	20192241517225	MUTHUMARI B	12
26	20192241517226	PAVITHRA M	16
27	20192241517227	PEERTHI M	14
28	20192241517228	RAMALAKSHMI N	15
29	20192241517229	RAMISHA PARVEEN S	14
30	20192241517230	SAFA MAHDHOOM MARYAM N M	15
31	20192241517231	SAMEENA BEGAM M P	17
32	20192241517232	SANGEETHA G	16
33	20192241517233	SANTHIYA S	19
34	20192241517234	SEYED RABIYA RIFKA A R	19
35	20192241517235	SHARMILA M	12
36	20192241517236	SHERLY S	15
37	20192241517237	SOMA SUNDARI S	19
38	20192241517238	SONA P	16
39	20192241517239	SUBA M	10
40	20192241517240	SUMITHRA M	16
41	20192241517241	SUTHA P	15
42	20192241517242	VIJAYA LAKSHMI M	13
43	20192241517243	VIJAYALAKSHMI A	16
44	20192241517244	VIJITHRA K	18
45	20192241517245	ZAINAB Z A	22

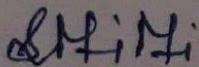
S. Malathi



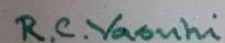
## **CIRCULAR**

### **Mathematics Association**

We are happy to inform that Mathematics Association is going to conduct Numerical Ability Test for UG and PG students of Mathematics in their respective classes.

  
**Convenor**

Date: 27.10.2021

  
**Principal**



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Run by : Wavoo SAR Educational Trust  
(minority institution)

**I B.Sc Mathematics**

*Numerical Ability Test*

**Participants Name List and Marks**

**Date:** 28-10-2021

**Academic Year :** 2021 - 2022

S.No	Register Number	Student's Name	Marks
1	20212241517201	FATHIMA RIFAYA N	22
2	20212241517202	FATHIMA RIZVANA R	22
3	20212241517203	JEYA PRIYA M	18
4	20212241517204	JEYASARATHI J	14
5	20212241517205	KEERTHANA R	17
6	20212241517206	MEHAR SIFANA T	8
7	20212241517207	MUSTHALIMA SAMSU BATHU J	20
8	20212241517208	MUTHU LAKSHMI S	23
9	20212241517209	MUTHUKARPAGAVALLI B	11
10	20212241517210	NANTHINI K	12
11	20212241517211	NISHA P	22
12	20212241517212	NITHYA LAKSHMI R	26
13	20212241517213	RAASHITHA M	21
14	20212241517214	RAJALAKSHMI C	17
15	20212241517215	RAJALAKSHMI M	20
16	20212241517216	SAFRIN BARHANA M	19
17	20212241517217	SANTHIYA S	18
18	20212241517218	SELSIAH A K	35

19	20212241517219	SEYAD AMEERA FATHIMA S	22
20	20212241517220	SEYED NUZHATHU HAFILA S A B	22
21	20212241517221	SOWMIYA K	15
22	20212241517222	VEERAABINAYA M	16
23	20212241517223	ZAM ZAM ZUVAINA S M	

S. Mithi  
(CLASS ADVISOR)

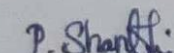


## **Circular**

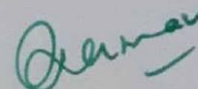
C-Students/Feb 2023-27

### **Mathematics Association**

We are happy to inform you that the Mathematics Association is going to conduct Numerical Ability Test for UG, PG students of Mathematics and Paper presentations for PG students of Mathematics in their respective classes on 25.02.2023 at 2.00 p.m.

  
Convenor

Date: 24-2-2023

  
Principal





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Run by : Wavoo SAR Educational Trust  
(minority institution)

**I B.Sc Mathematics**  
*Numerical Ability Test*  
**Participants Name List and Marks**

**Date:**

**Academic Year : 2022-2023**

S.No	Register Number	Student's Name	
1	20222241517201	AAISHA ARWA M L	14
2	20222241517202	ABINAYA S	9
3	20222241517203	AFRIN S	11
4	20222241517204	AYSHA MAJIDHA N M	9
5	20222241517205	BEBITHA M	11
6	20222241517206	FATHIMA SAFREEN S A R	9
7	20222241517207	HAMEEDHA FATHIMA S F	8
8	20222241517208	KAVI SHREE M	13
9	20222241517209	KRISHNARANI S	10
10	20222241517210	MARIYAM SULAIHA M A	7
11	20222241517211	MUTHU VANITHA M	9
12	20222241517212	NASRIN SATHIKA I	18
13	20222241517213	PATRICIA LYDIA S	13
14	20222241517214	RABISHA R	AB
15	20222241517215	RAHMATH SHUKRIYA S I	9
16	20222241517216	RAMEESHA G	10

17	20222241517217	REBISHA T	13
18	20222241517218	RIFKA RAJAB M	15
19	20222241517219	ROHINI S	8
20	20222241517220	SORNALATHA M	11
21	20222241517221	SOUNDHARYA KANI M	6
22	20222241517222	VEYILUMUTHU VENUGA M	4
23	20222241517223	ZAINAB ZAHIFA M M S	13

M. Karthi  
CLASS ADVISOR

Contents	Links
Supporting Document for Projects	<a href="http://www.wavoowajeehacollege.in/Student%20Project.php">http://www.wavoowajeehacollege.in/Student%20Project.php</a>