

**TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE**  
**(01/10/2014 to 23/11/2015)**

| Date       | Day       | Name of the faculty | Time        |
|------------|-----------|---------------------|-------------|
| 01-10-2014 | Tuesday   | MUN                 | 3:30-4:30   |
| 03-10-2014 | Thursday  | SAB                 | 3:30-4:30   |
| 04-10-2014 | Friday    | SAB                 | 10:00-11:00 |
| 09-10-2014 | Wednesday | MUN                 | 3:30-4:30   |
| 10-10-2014 | Thursday  | SAB                 | 10:00-11:00 |
| 14-10-2014 | Monday    | MUN                 | 8:30-9:30   |
| 16-10-2014 | Wednesday | SAB                 | 10:00-11:00 |
| 19-10-2014 | Saturday  | SAB                 | 10:00-11:00 |
| 21-10-2014 | Monday    | SAB                 | 3:30-4:30   |
| 23-10-2014 | Wednesday | MUN                 | 3:30-4:30   |
| 26-10-2014 | Saturday  | SAB                 | 10:00-11:00 |
| 28-10-2014 | Monday    | MUN                 | 3:30-4:30   |
| 30-10-2014 | Wednesday | SAB                 | 12:00-1:00  |
| 31-10-2014 | Thursday  | MUN                 | 3:30-4:30   |
| 01-11-2015 | Friday    | SAB                 | 10:00-11:00 |
| 04-11-2015 | Monday    | MUN                 | 10:00-11:00 |
| 08-11-2015 | Friday    | MUN                 | 12:00-1:00  |
| 11-11-2015 | Monday    | SAB                 | 3:30-4:30   |
| 13-11-2015 | Wednesday | SAB                 | 10:00-11:00 |
| 15-11-2015 | Friday    | MUN                 | 12:00-1:00  |
| 16-11-2015 | Saturday  | SAB                 | 10:00-11:00 |
| 20-11-2015 | Wednesday | MUN                 | 10:00-11:00 |
| 23-11-2015 | Saturday  | SAB                 | 10:00-11:00 |

MUN –Muneera K (15hr)

SAB –Sabeela (15hr)



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Name.....

Reg.No.....

## M E S KEVEEYAM COLLEGE

### QUANTITATIVE APTITUDE FOR COMPETITIVE EXAMINATIONS (2014-15)

Time 2 hr

Max: 50 Marks

#### UNIT 1

1 Which of the following numbers is divisible by 2?

1. 178653 , 2. 164857 , 3. 176485 , 4. 178560

2 The six digit number 54321A is divisible by 9 where A is a single digit whole number. Find A.

1. 0                      2. 2                      3. 4                      4. 3

3 Find the greatest three number which is multiple of 7.

1. 993                      2. 995                      3. 994                      4. None of these

4 Divide Rs. 680 among P, Q, and R such that P gets  $\frac{2}{3}$  of what Q gets and Q gets  $\frac{1}{4}$  of what R gets. Find the share of R

1 Rs. 480                      2. Rs. 360                      3. Rs. 420                      4. Rs. 300

5  $994 \div 14.5 = 172$ , then  $29.94 \div 1.45 = ?$

1. 0.172    2 1.72    3 17.2    4 .0172

( 5x4 = 20 Marks)

#### UNIT2(Answer all)

6 Find the HCF by long division method of two no's the sequence of quotient from top to bottom is 9

7 Find the least perfect square number which when divided by 4, 6, 7, 9 gives remainder zero.

8 Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:



9 Evaluate :  $\frac{(2.39)^2 - (1.61)^2}{2.39 - 1.61}$

10 Simplify the expression using BODMAS rule  $(\frac{3}{7})$  of  $(\frac{4}{5})$  of 20  $(25^2 - 24^2)$

(5X6=30 Marks)



Mark List 2014-15

| Roll no. | Name                      | Department        | Mark (50) | Grade |
|----------|---------------------------|-------------------|-----------|-------|
| 140301   | MUHAMMED FAZIL V.H        | POLYMER CHEMISTRY | 49        | A     |
| 140302   | FEBINA. C.H               | POLYMER CHEMISTRY | 46        | A     |
| 140303   | FOUSIYA. A.K              | POLYMER CHEMISTRY | 41        | A     |
| 140304   | JALEESA BINCY. K          | POLYMER CHEMISTRY | 48        | A     |
| 140305   | JASEEMA. V.P              | POLYMER CHEMISTRY | 30        | B     |
| 140306   | KADEEJATHULSAFANA. K.P    | POLYMER CHEMISTRY | 32        | B     |
| 140307   | MUHSINA. E.P              | POLYMER CHEMISTRY | 34        | B     |
| 140308   | NASRIN. V.A               | POLYMER CHEMISTRY | 44        | A     |
| 140309   | RISANA SHERIN. K          | POLYMER CHEMISTRY | 30        | B     |
| 140310   | SABLA. K.T                | POLYMER CHEMISTRY | 31        | B     |
| 140311   | SAHLA YASMIN. A           | POLYMER CHEMISTRY | 35        | B     |
| 140312   | SHAHANA SHERIN MANGALATH  | POLYMER CHEMISTRY | 33        | B     |
| 130417   | HABEEBA K                 | PHYSICS           | 47        | A     |
| 130418   | NAJIYA.K                  | PHYSICS           | 30        | B     |
| 130419   | SRUTHI TV                 | PHYSICS           | 47        | A     |
| 130420   | VISMAYA CP                | PHYSICS           | 32        | B     |
| 130421   | AKSHAY IP                 | PHYSICS           | 47        | A     |
| 130422   | AMEERALI C                | PHYSICS           | 33        | B     |
| 130423   | JITHEESH C                | PHYSICS           | 48        | A     |
| 130424   | JUNAID.V.P                | PHYSICS           | 35        | B     |
| 130425   | MURSHID GURUKKAL CHANGAMP | PHYSICS           | 46        | A     |
| 130427   | SIRAJUNNISA ASSAINAR      | PHYSICS           | 47        | A     |
| 130428   | AIWARAYA T                | PHYSICS           | 44        | A     |
| 130429   | ANJALI VP                 | PHYSICS           | 38        | B     |
| 130430   | KRISHNA PRIYA IP          | PHYSICS           | 45        | A     |
| 130431   | MUHASINA.C                | PHYSICS           | 48        | A     |
| 140432   | SILPA. M                  | PHYSICS           | 32        | B     |
| 140433   | THASLEEMA. U              | PHYSICS           | 41        | A     |
| 140435   | MUBASHIRA. C.K            | PHYSICS           | 44        | A     |
| 140436   | SHAHLA BANU. K.C          | PHYSICS           | 48        | A     |

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**TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE**  
**(07/10/2015 to 07/12/2015)**

| Date       | Day       | Name of the faculty | Time        |
|------------|-----------|---------------------|-------------|
| 07-10-2015 | Wednesday | MUN                 | 3:30-4:30   |
| 09-10-2015 | Friday    | SAB                 | 3:30-4:30   |
| 14-10-2015 | Saturday  | SAB                 | 10:00-11:00 |
| 17-10-2015 | Wednesday | MUN                 | 3:30-4:30   |
| 21-10-2015 | Saturday  | SAB                 | 10:00-11:00 |
| 24-10-2015 | Wednesday | MUN                 | 8:30-9:30   |
| 24-10-2015 | Saturday  | SAB                 | 10:00-11:00 |
| 27-10-2015 | Saturday  | SAB                 | 10:00-11:00 |
| 31-10-2015 | Tuesday   | SAB                 | 3:30-4:30   |
| 04-11-2015 | Saturday  | MUN                 | 10:00-11:00 |
| 11-11-2015 | Wednesday | SAB                 | 3:30-4:30   |
| 14-11-2015 | Saturday  | MUN                 | 10:00-11:00 |
| 14-11-2015 | Saturday  | SAB                 | 12:00-1:00  |
| 16-11-2015 | Monday    | MUN                 | 3:30-4:30   |
| 18-11-2015 | Wednesday | SAB                 | 10:00-11:00 |
| 21-11-2015 | Saturday  | MUN                 | 10:00-11:00 |
| 21-11-2015 | Saturday  | MUN                 | 12:00-1:00  |
| 25-11-2015 | Wednesday | SAB                 | 3:30-4:30   |
| 28-11-2015 | Saturday  | SAB                 | 10:00-11:00 |
| 28-11-2015 | Saturday  | MUN                 | 12:00-1:00  |
| 02-12-2015 | Wednesday | SAB                 | 3:30-4:30   |
| 05-12-2015 | Saturday  | MUN                 | 10:00-11:00 |
| 07-12-2015 | Monday    | SAB                 | 8:30-9:30   |

MUN –Muneera K (15hr)

SAB –Sabeela (15hr)

K. Cree



**Short term Course on Quantitative Aptitude for Competitive Examinations(2015-16)**

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Name.....

Reg.No.....

**M E S KEVEEYAM COLLEGE**

**QUANTITATIVE APTITUDE FOR COMPETITIVE EXAMINATIONS (2015-16)**

Time 2 hr

Max : 50 Marks

**UNIT 1 (Answer all)**

1. Find the simple interest on Rs. 68,000 at  $16\frac{2}{3}\%$  per annum for a period of 9 months?

- A) Rs. 8500      B) Rs. 3200      C) Rs. 2100      D) Rs. 4300

2. Khan borrows some money at the rate of 6% p.a. for the first two years. He borrows the money at the rate of 9% p.a. for the next three years, and at the rate of 14% per annum for the period beyond five years. If he pays a total interest of Rs. 11400 at the end of nine years, how much money did he borrow?

- A) Rs. 12000      B) Rs. 21000      C) Rs. 37000      D) Rs. 6300

3. A man took a loan from a bank at the rate of 12 % p.a. simple interest. After three years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:

- A) Rs. 12000      B) Rs. 11000      C) Rs. 14000      D) Rs. 15000

4. Divide Rs. 2379 into 3 parts so that their amounts after 2, 3 and 4 years respectively may be equal, the rate of interest is 5% per annum at simple interest. The first part is:

- A) Rs. 969      B) Rs. 828      C) Rs. 890      D) Rs. 234

5. An amount of Rs. 100000 is invested in two types of shares. the first yields an interest of 9% p.a. and the second, 11% p.a. If the total interest at the end of one year is  $9\frac{3}{4}\%$ , then the amount invested in each share was:

- A) Rs. 62500; Rs. 37500      B) Rs. 5733; Rs. 7865      C) Rs. 7297; Rs. 9865      D) Rs. 5242; Rs. 8906

(5x4 = 20 Marks)

UNIT 11 (Answer all)

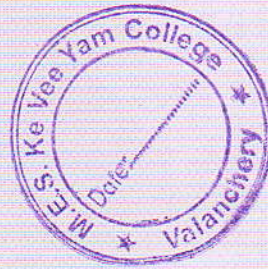
6. A mixture of milk and water are in the ratio of 5:1. By adding 5 liters of water, the ratio of the milk to water becomes 5:2. The quantity of milk in the mixture is

7. A sum of Rs. 12,500 amounts to Rs. 15,500 in 4 years at the rate of simple interest. What is the rate of interest?

8.. A person borrows Rs. 5000 for 2 years at 4% p.a. simple interest. He immediately lends it to another person at  $6\frac{1}{4}\%$  p.a for 2 years. Find his gain in the transaction per year

9 The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Re. 1. The sum (in Rs.) is:

10.A sum of Rs. 50,000 is borrowed and the rate of interest is 10% per annum. What is the compound interest for 5 years?



(5X6=30 Marks)

Mark List 2015-16

| Roll no. | Name                 | Department        | Mark(50) | Grade |
|----------|----------------------|-------------------|----------|-------|
| 140313   | SHAHEEMA FEBIN. C.K  | POLYMER CHEMISTRY | 47       | A     |
| 140314   | SUMAIRA. P           | POLYMER CHEMISTRY | 30       | B     |
| 140315   | RAHUL. P. K          | POLYMER CHEMISTRY | 32       | B     |
| 140316   | VINIT VASUDEVAN. M   | POLYMER CHEMISTRY | 41       | A     |
| 140317   | ASHIQA. P            | POLYMER CHEMISTRY | 35       | B     |
| 140318   | SREERENJINI. K       | POLYMER CHEMISTRY | 44       | A     |
| 140319   | AFEENA RASSI. M      | POLYMER CHEMISTRY | 47       | A     |
| 140320   | AMRUTHA              | POLYMER CHEMISTRY | 33       | B     |
| 140321   | ANJANA. A.T          | POLYMER CHEMISTRY | 47       | A     |
| 140322   | ATHIRA MATTUMMAL     | POLYMER CHEMISTRY | 33       | B     |
| 140323   | BANEESHA. T.P        | POLYMER CHEMISTRY | 45       | A     |
| 140324   | FARHANA. P           | POLYMER CHEMISTRY | 35       | B     |
| 140325   | FATHIMATH SAFNA. M.C | POLYMER CHEMISTRY | 36       | B     |
| 140326   | HASNA. C.P           | POLYMER CHEMISTRY | 33       | B     |
| 140327   | NEETHUMOL. V         | POLYMER CHEMISTRY | 42       | A     |
| 150417   | YADUKRISHNA K        | PHYSICS           | 40       | A     |
| 150418   | AFEEFA PALARA        | PHYSICS           | 34       | B     |
| 150419   | FASEEHA.T.P          | PHYSICS           | 47       | A     |
| 150420   | MUFEEDA NUSRIN V     | PHYSICS           | 32       | B     |
| 150421   | AGHIL KRISHNA MP     | PHYSICS           | 45       | A     |
| 150422   | BAVIJ K              | PHYSICS           | 30       | B     |
| 150423   | DIPIN V              | PHYSICS           | 44       | A     |
| 150424   | HARIKRISHNAN PV      | PHYSICS           | 33       | B     |
| 150425   | JITHIN AK            | PHYSICS           | 48       | A     |
| 150426   | JITHIN DAS P         | PHYSICS           | 44       | A     |
| 150427   | PRAVIN.S.PRASANTH    | PHYSICS           | 35       | B     |
| 150428   | SATHEESH A           | PHYSICS           | 47       | A     |
| 150429   | ARYA TM              | PHYSICS           | 30       | B     |
| 150430   | BLESSY VF            | PHYSICS           | 45       | A     |
| 150432   | HARITHA TG           | PHYSICS           | 36       | B     |

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**TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE (01/10/2016  
to 11/11/2016)**

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| 03-10-2016 | Monday    | RAS                 | 3:30-4:30   |
| 04-10-2016 | Tuesday   | MUN                 | 8:30-9:30   |
| 06-10-2016 | Thursday  | RAS                 | 3:30-4:30   |
| 08-10-2016 | Saturday  | RAS                 | 10:00-11:00 |
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| 18-10-2016 | Wednesday | MUN                 | 3:30-4:30   |
| 19-10-2016 | Friday    | RAS                 | 3:30-4:30   |
| 20-10-2016 | Saturday  | RAS                 | 10:00-11:00 |
| 22-10-2016 | Monday    | MUN                 | 3:30-4:30   |
| 23-10-2016 | Tuesday   | RAS                 | 3:30-4:30   |
| 24-10-2016 | Wednesday | MUN                 | 3:30-4:30   |
| 25-10-2016 | Thursday  | RAS                 | 3:30-4:30   |
| 26-10-2016 | Friday    | MUN                 | 3:30-4:30   |
| 27-10-2016 | Saturday  | RAS                 | 10:00-11:00 |
| 29-10-2016 | Monday    | MUN                 | 8:30-9:30   |
| 01-11-2016 | Tuesday   | RAS                 | 3:30-4:30   |
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| 10-11-2016 | Friday    | RAS                 | 8:30-9:30   |
| 11-11-2016 | Saturday  | RAS                 | 3:30-4:30   |

MUN –Muneera K (15hr)

RAS –Raseena (15hr)

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**Short term Course on Quantitative Aptitude for Competitive Examinations(2016-17)**

## STUDENTS ATTENDANCE

[illegible]





Name.....

Reg.No.....

**M E S KEVEEYAM COLLEGE**

**QUANTITATIVE APTITUDE FOR COMPETITIVE EXAMINATIONS (2016-17)**

Time 2 hr

Max : 50 Marks

**UNIT 1 (Answer all)**

1. Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats?  
A. 2 : 3 : 4    B. 6:7:8    C.6:8:9    D.None of these
2. The students in three batches in school is in the ratio of 2:3:5. If 20 students in each batch are increased then the ratio changes to 4:5:7. The total number of students in the three before the increase was,  
A. 100    B. 10    C. 90    D. 150
3. If  $a/(b + c) = b/(c + a) = c/(a + b)$ , then each fraction will be equal to,  
A.  $(a + b + c)^2$     B.  $\frac{1}{2}$     C.  $\frac{1}{4}$     D. 0
- 4.If 30 men working 7 hours a day can do a piece of work in 18 days, in how many days will 21 men working 8 hours a day do the same work?  
A. 30 days    B. 22.5 days    C. 24 days    D. 45 days
- 5.Rs. 2250 is divided among three friends Ajay, Vijay, and Raj in such a way that  $\frac{1}{6}$ th of Ajay's share,  $\frac{1}{4}$ th of Vijay's share and  $\frac{2}{5}$ th of Raj's share is equal. Find Ajay's share.  
A. Rs. 1080    B. Rs. 720    C. Rs. 450    D. Rs. 1240

( 5x4 = 20 Marks)

UNIT 11 (Answer all)

6. A man sold a fan for Rs. 465. Find the cost price if he incurred a loss of 7%.

7. The cost price of 10 pens is the same as the selling price of  $n$  pens. If there is a loss of 40%, approximately what is the value of  $n$ ?

8. What must be the side of an equilateral triangle so that its area may be equal to the area of an isosceles triangle with the base and equal sides as 12 m and 10 m respectively?

9 Find the volume and the surface area of the sphere of radius 6.3 cm.

10. The area of the right-angled triangle is  $30 \text{ cm}^2$  and the length of the hypotenuse is 13 cm. Find the length of the shorter leg.



(5X6=30Marks)

Mark List 2016-17

| Roll No. | Name                  | Department        | Mark (50) | Grade |
|----------|-----------------------|-------------------|-----------|-------|
| 160301   | SAMIL AMEEN N         | POLYMER CHEMISTRY | 48        | A     |
| 160302   | AMINA MUSLIHA PP      | POLYMER CHEMISTRY | 30        | B     |
| 160303   | ASIFA M               | POLYMER CHEMISTRY | 45        | A     |
| 160304   | FATHIMA JUSAILA T     | POLYMER CHEMISTRY | 32        | B     |
| 160305   | FATHIMATHUL IRFANA PK | POLYMER CHEMISTRY | 44        | A     |
| 160307   | JASMIN PV             | POLYMER CHEMISTRY | 31        | B     |
| 160308   | KC JAMSHEERA          | POLYMER CHEMISTRY | 47        | A     |
| 160309   | LAZIMA FILDA MP       | POLYMER CHEMISTRY | 31        | B     |
| 160310   | MUFEEDA K             | POLYMER CHEMISTRY | 30        | B     |
| 160311   | NOORA M               | POLYMER CHEMISTRY | 45        | A     |
| 160312   | RAHNA M               | POLYMER CHEMISTRY | 33        | B     |
| 160313   | SHAENA NASREEN V      | POLYMER CHEMISTRY | 42        | A     |
| 160314   | SHAMEEMA K            | POLYMER CHEMISTRY | 44        | A     |
| 160315   | RANJITH MP            | POLYMER CHEMISTRY | 35        | B     |
| 160428   | NIDHIN M              | PHYSICS           | 47        | A     |
| 160429   | PRAVEEN P P           | PHYSICS           | 48        | A     |
| 160430   | VAISHNAV C            | PHYSICS           | 33        | B     |
| 160431   | VIGNESH P             | PHYSICS           | 47        | A     |
| 160432   | VINAYAK KP            | PHYSICS           | 30        | B     |
| 160433   | VISHNUDAS. T          | PHYSICS           | 45        | A     |
| 160436   | ATHIRA A              | PHYSICS           | 32        | B     |
| 160437   | ATHIRA P L            | PHYSICS           | 46        | A     |
| 160438   | HIMA C S              | PHYSICS           | 48        | A     |
| 160439   | JASMIN AV             | PHYSICS           | 31        | B     |
| 160440   | JINSIYA P P           | PHYSICS           | 47        | A     |
| 160442   | MARWA PK              | PHYSICS           | 34        | B     |
| 160444   | NASHIFA PARVIN S      | PHYSICS           | 46        | A     |
| 160445   | NIKHITHA K K          | PHYSICS           | 32        | B     |
| 160447   | RANJINI P K           | PHYSICS           | 34        | B     |
| 160448   | SUVARNA P             | PHYSICS           | 48        | A     |

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to 01/12/2017)**

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| 30-11-2017 | Thursday  | RAS                 | 8:30-9:30   |
| 01-12-2017 | Friday    | RAS                 | 3:30-4:30   |

MUN –Muneera K (15hr)

RAS –Raseena (15hr)

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Name.....

Reg.No.....

**M E S KEVEEYAM COLLEGE**

**QUANTITATIVE APTITUDE FOR COMPETITIVE EXAMINATIONS (2017-18)**

Time 2 hr

Max : 50 Marks

**UNIT 1 (Answer all) (5x4 = 20 Marks)**

1. The volume of the sphere is  $38808 \text{ cm}^3$ , find the curved surface area of the sphere.  
A.  $5202 \text{ cm}^2$  B.  $5544 \text{ cm}^2$  C.  $5562 \text{ cm}^2$  D.  $5542 \text{ cm}^2$
2. The radii of two cylinders are in the ratio of 2:3 and their heights are in the ratio 5:3. Find the ratio of their curved surface area.  
A. 10:9 B. 10:11 C. 9:10 D. 9:11
- 3 cubic centimetres of silver is drawn into a wire 1 mm in diameter. The length of the wire in metres will be:  
A.84 B .90 C 168. D 336
- 4.What is the minimum number of square marbles required to tile a floor of length 5 metres 78 cm and width 3 metres 74 cm?  
A.176 B 187 C 540 D 7488
- 5 Find the remainder when  $2^{89}$  is divided by 89  
A. 1 B. 2 C,87 D. 88

**UNIT 11 (Answer all)**

6. Fourth number is missing in the below series. Can you find the Fourth number in the below series ? 117, 140, 163, X , 209, 232
- 7.Two bells ring at an interval of 20 sec and 37 secs. After what least time in seconds, will both the bells ring together ?

8.. Find the area of trapezium whose parallel sides are 20 cm and 18 cm long, and the distance between them is 15 cm.

9. Find the length of the longest pole that can be placed in a room 12 m long, 8m broad and 9 m high.

10. In a shower, 5 cm of rain falls. The volume of water that falls on 1.5 hectares of the ground is:

(5X6=30 Marks)



Mark List 2017-18

| Roll No. | Name                 | Department        | Mark (50) | Grade |
|----------|----------------------|-------------------|-----------|-------|
| 170301   | ADHEEB K SHERIEF     | POLYMER CHEMISTRY | 45        | A     |
| 170302   | AJMALA RUKSANA P     | POLYMER CHEMISTRY | 44        | A     |
| 170303   | MOHAMMED SHAMMAS K P | POLYMER CHEMISTRY | 40        | A     |
| 170304   | FATHIMA NASREEN C P  | POLYMER CHEMISTRY | 45        | A     |
| 170305   | FATHIMA SHABNA KP    | POLYMER CHEMISTRY | 32        | B     |
| 170306   | JASNA SHERIN. T.T    | POLYMER CHEMISTRY | 40        | A     |
| 170307   | MUHSINA.P            | POLYMER CHEMISTRY | 47        | A     |
| 170308   | MUNAVVIRA .C         | POLYMER CHEMISTRY | 45        | A     |
| 170309   | MURSHIDA THASNI.K    | POLYMER CHEMISTRY | 48        | A     |
| 170310   | SHAHAR BANU. P       | POLYMER CHEMISTRY | 35        | B     |
| 170311   | SHAMA SHAREEN E      | POLYMER CHEMISTRY | 43        | A     |
| 170312   | SHAMEENA.T.T         | POLYMER CHEMISTRY | 48        | A     |
| 170313   | AMEENA FARHATH M T   | POLYMER CHEMISTRY | 36        | B     |
| 170314   | FARHANA SHERIN. P.K  | POLYMER CHEMISTRY | 40        | A     |
| 170315   | GOPIKA.K             | POLYMER CHEMISTRY | 48        | A     |
| 170432   | MOHAMMED IMRAN T P   | PHYSICS           | 47        | A     |
| 170433   | MOHAMMED SAFEER MK   | PHYSICS           | 44        | A     |
| 170434   | ANUSHA UDAY .K       | PHYSICS           | 42        | A     |
| 170435   | ASMINA JABIN M T     | PHYSICS           | 48        | A     |
| 170436   | AYSHAT ZAKKIYA M     | PHYSICS           | 49        | A     |
| 170437   | JYOTHIKA. P          | PHYSICS           | 46        | A     |
| 170438   | KHADEEJA RUKSANA P   | PHYSICS           | 34        | B     |
| 170439   | LAMIYA               | PHYSICS           | 46        | A     |
| 170440   | RASHA FARSAN P       | PHYSICS           | 48        | A     |
| 170441   | RIHANA SALVA K       | PHYSICS           | 40        | A     |
| 170442   | SALEEKA SHERIN.K.T   | PHYSICS           | 44        | A     |
| 170443   | SREEBHADRA. E.T      | PHYSICS           | 47        | A     |
| 170444   | SREETHU MS           | PHYSICS           | 30        | B     |
| 170445   | UMMUL KHAIRU. P      | PHYSICS           | 47        | A     |
| 170446   | VISMAYA K VIJAYAN    | PHYSICS           | 45        | A     |

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**TIME TABLE FOR THE SHORT TERM CERTIFICATE COURSE (01/10/2018  
to 01/12/2018)**

| Date       | Day       | Name of the faculty | Time        |
|------------|-----------|---------------------|-------------|
| 01-10-2018 | Monday    | MUN                 | 3:30-4:30   |
| 03-10-2018 | Wednesday | RAS                 | 3:30-4:30   |
| 04-10-2018 | Thursday  | MUN                 | 8:30-9:30   |
| 06-10-2018 | Saturday  | RAS                 | 10:00-11:00 |
| 08-10-2018 | Monday    | RAS                 | 3:30-4:30   |
| 10-10-2018 | Wednesday | MUN                 | 8:30-9:30   |
| 12-10-2018 | Friday    | RAS                 | 3:30-4:30   |
| 13-10-2018 | Saturday  | RAS                 | 10:00-11:00 |
| 16-10-2018 | Tuesday   | MUN                 | 3:30-4:30   |
| 20-10-2018 | Saturday  | RAS                 | 10:00-11:00 |
| 22-10-2018 | Monday    | RAS                 | 3:30-4:30   |
| 23-10-2018 | Tuesday   | MUN                 | 3:30-4:30   |
| 27-10-2018 | Saturday  | RAS                 | 10:00-11:00 |
| 27-10-2018 | Saturday  | RAS                 | 12:00-1:00  |
| 29-10-2018 | Monday    | MUN                 | 3:30-4:30   |
| 30-10-2018 | Wednesday | RAS                 | 3:30-4:30   |
| 03-11-2018 | Saturday  | MUN                 | 3:30-4:30   |
| 05-11-2018 | Monday    | RAS                 | 3:30-4:30   |
| 10-11-2018 | Saturday  | MUN                 | 10:00-11:00 |
| 13-11-2018 | Tuesday   | RAS                 | 3:30-4:30   |
| 15-11-2018 | Thursday  | MUN                 | 8:30-9:30   |
| 17-11-2018 | Saturday  | RAS                 | 10:00-11:00 |
| 24-11-2018 | Saturday  | MUN                 | 10:00-11:00 |
| 24-11-2018 | Saturday  | RAS                 | 12:00-01:00 |
| 26-11-2018 | Monday    | RAS                 | 3:30-4:30   |
| 27-11-2018 | Tuesday   | MUN                 | 3:30-4:30   |
| 28-11-2018 | Wednesday | RAS                 | 3:30-4:30   |
| 29-11-2018 | Thursday  | MUN                 | 3:30-4:30   |
| 30-11-2018 | Friday    | RAS                 | 8:30-9:30   |
| 01-12-2018 | Saturday  | RAS                 | 10:00-11:00 |

MUN –Muneera K (15hr)

RAS –Raseena (15hr)



## STUDENTS ATTENDANCE

sign of invigilator



Name.....

Reg.No.....

## M E S KEVEEYAM COLLEGE

### QUANTITATIVE APTITUDE FOR COMPETITIVE EXAMINATIONS (2018-19)

Time 2 hr

Max:50 Marks

#### UNIT 1 (Answer all)

1: Water flows into a tank  $200 \text{ m} \times 150 \text{ m}$  through a rectangular pipe  $1.5 \text{ m} \times 1.25 \text{ m}$  @ 20 kmph. In what time (in minutes) will the water rise by 2 meters?

- A) 234 minutes      B) 1.2 hours      C) 9 hours      D) 96 minutes

2: A conical vessel, whose internal radius is 12 cm and height 50 cm, is full of some liquid. The contents of this vessel are emptied into a cylindrical vessel with an internal radius of 10 cm. Find the height to which the liquid rises in the cylindrical vessel.

- A) 22 cm      B) 23 cm      C) 24 cm      D) 25 cm

3: Two metallic right circular cones having their heights 4.1 cm and 4.3 cm and the radii of their bases 2.1 cm each, have been melted together and recast into a sphere. Find the diameter of the sphere.

- A) 4 cm      B) 4.1 cm      C) 4.2 cm      D) 4.3 cm

4. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

- A. 12 B 15 C. 16 D. 18

5 A and B can do a piece of work in 4 days, while C and D can do the same work in 12 days. In how many days will A, B, C and D do it together?

- A. 12 days B 4 days C 3 days D 2 days

#### UNIT 11 (Answer all)

6. A and B together can complete a task in 20 days. B and C together can complete the same task in 30 days. A and C together can complete the same task in 30 days. What is the respective ratio of the number of days taken by A when completing the same task alone to the number of days taken by C when completing the same task alone?

7. In a right triangle ABC with angle A equal to  $90^\circ$ , find angle B and C so that  $\sin(B) = \cos(B)$ .

8. The lengths of side AB and side BC of a scalene triangle ABC are 12 cm and 8 cm respectively. The size of angle C is  $59^\circ$ . Find the length of side AC.

9. If the shadow of a building increases by 10 meters when the angle of elevation of the sun rays decreases from  $70^\circ$  to  $60^\circ$ , what is the height of the building?

10.  $\cos(24^\circ) + \cos(5^\circ) + \cos(175^\circ) + \cos(204^\circ) + \cos(300^\circ) =$

(5X6=30 Marks)



Mark List 2018-19

| Roll No. | Name                 | Department        | Mark (50) | Grade |
|----------|----------------------|-------------------|-----------|-------|
| 180321   | HASNA N              | POLYMER CHEMISTRY | 45        | A     |
| 180322   | NASEEHA N S          | POLYMER CHEMISTRY | 40        | A     |
| 180323   | HRIDHIK VASAN        | POLYMER CHEMISTRY | 42        | A     |
| 180324   | SUDHARSAN AS         | POLYMER CHEMISTRY | 30        | B     |
| 180325   | SUJIN P P            | POLYMER CHEMISTRY | 47        | A     |
| 180326   | DEVIKA P             | POLYMER CHEMISTRY | 38        | B     |
| 180327   | FATHIMA RINSHI N P   | POLYMER CHEMISTRY | 33        | B     |
| 180328   | HASNA JINAN          | POLYMER CHEMISTRY | 47        | A     |
| 180329   | MEGHA M K            | POLYMER CHEMISTRY | 33        | B     |
| 180310   | MARJANA A            | POLYMER CHEMISTRY | 46        | A     |
| 180331   | SHARMMISHA BASKAR M  | POLYMER CHEMISTRY | 35        | B     |
| 180332   | SUHAILA NASRIN       | POLYMER CHEMISTRY | 43        | A     |
| 180333   | THASNI M             | POLYMER CHEMISTRY | 32        | B     |
| 180334   | VARSHA V P           | POLYMER CHEMISTRY | 47        | A     |
| 180423   | MANURAJ K            | PHYSICS           | 41        | A     |
| 180424   | SRIJIN SREENARAYANAN | PHYSICS           | 32        | B     |
| 180425   | VIVEK MITHRAN K P    | PHYSICS           | 47        | A     |
| 180426   | AMEERA NASRIN M      | PHYSICS           | 33        | B     |
| 180427   | ANAGHA P             | PHYSICS           | 35        | B     |
| 180428   | FATHIMATH ROSHNA P T | PHYSICS           | 48        | A     |
| 180429   | FATHIMATH SHAMLA M   | PHYSICS           | 30        | B     |
| 180419   | RAHNA P K            | PHYSICS           | 35        | B     |
| 180431   | LIBA MOUSHMI V P     | PHYSICS           | 46        | A     |
| 180432   | MUNAVIRA             | PHYSICS           | 30        | B     |
| 180433   | PRAVITHA R K         | PHYSICS           | 45        | A     |
| 180434   | SAHLA RAJIBA V P     | PHYSICS           | 34        | B     |
| 180435   | SREELAKSHMI T P      | PHYSICS           | 43        | A     |
| 180436   | SUDHARMA A           | PHYSICS           | 32        | B     |
| 180437   | SUSMI K SKARIYA      | PHYSICS           | 47        | A     |

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# MES KEVEEYAM COLLEGE VALANCHERY



Malappuram-Kerala  
(NAAC Accredited with 'A' Grade)  
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Email: [principal@meskvcollege.org](mailto:principal@meskvcollege.org)

## Certificate

No CC/MAS/96/121

This is to certify that the following candidate has successfully completed the certificate course *Quantitative Aptitude for competitive examinations* conducted by Department of *Mathematics* during the academic year *2018-2019*

Name *MASNA N*  
Programme and Semester *Polymer Chemistry first sem*  
College Enrolment No *180321*  
Grade Awarded *A*



Principal

Place : Valanchery

Date : 25/2/2019