## Question 1  [25 marks]

0: 76 mod 4 = 0

1: 89 mod 10 = _____

2: 68 mod 10 = _____

3: 50 mod 7 = _____

4: 62 mod 7 = _____

5: 98 mod 3 = _____

6: 60 mod 3 = _____

7: 97 mod 10 = _____

8: 54 mod 2 = _____

9: 59 mod 6 = _____

10: 96 mod 8 = _____

11: 82 mod 8 = _____

12: 92 mod 4 = _____

13: 97 mod 8 = _____

14: 50 mod 9 = _____

15: 70 mod 8 = _____

16: 73 mod 3 = _____

17: 66 mod 5 = _____

18: 82 mod 2 = _____

19: 76 mod 10 = _____

20: 98 mod 4 = _____

21: 57 mod 6 = _____

22: 65 mod 9 = _____

23: 95 mod 2 = _____

24: 59 mod 2 = _____

25: 100 mod 9 = _____

## Question 2  [25 marks]

0: 55 mod 6 = 1

1: 90 mod 6 = _____

2: 91 mod 5 = _____

3: 89 mod 3 = _____

4: 62 mod 5 = _____

5: 81 mod 3 = _____

6: 96 mod 7 = _____

7: 56 mod 9 = _____

8: 83 mod 4 = _____

9: 92 mod 10 = _____

10: 83 mod 2 = _____

11: 75 mod 8 = _____

12: 97 mod 1 = _____

13: 82 mod 9 = _____

14: 70 mod 2 = _____

15: 98 mod 3 = _____

16: 79 mod 3 = _____

17: 62 mod 6 = _____

18: 87 mod 6 = _____

19: 56 mod 6 = _____

20: 79 mod 6 = _____

21: 93 mod 1 = _____

22: 71 mod 2 = _____

23: 87 mod 3 = _____

24: 59 mod 8 = _____

25: 72 mod 4 = _____

# Question 3   [25 marks]     # Question 4   [25 marks]

0: 86 mod 4 = 2

1: 54 mod 1 = _____

2: 91 mod 6 = _____

3: 94 mod 5 = _____

4: 89 mod 10 = _____

5: 84 mod 1 = _____

6: 53 mod 8 = _____

7: 82 mod 5 = _____

8: 52 mod 7 = _____

9: 78 mod 9 = _____

10: 75 mod 8 = _____

11: 58 mod 2 = _____

12: 70 mod 2 = _____

13: 98 mod 3 = _____

14: 75 mod 7 = _____

15: 83 mod 10 = _____

16: 84 mod 9 = _____

17: 82 mod 5 = _____

18: 96 mod 5 = _____

19: 64 mod 5 = _____

20: 80 mod 6 = _____

21: 62 mod 8 = _____

22: 81 mod 9 = _____

23: 60 mod 9 = _____

24: 95 mod 9 = _____

25: 80 mod 5 = _____

0: 92 mod 9 = 2

1: 65 mod 10 = _____

2: 86 mod 4 = _____

3: 55 mod 3 = _____

4: 73 mod 8 = _____

5: 53 mod 9 = _____

6: 71 mod 5 = _____

7: 97 mod 2 = _____

8: 73 mod 3 = _____

9: 87 mod 5 = _____

10: 60 mod 9 = _____

11: 53 mod 9 = _____

12: 51 mod 10 = _____

13: 93 mod 2 = _____

14: 89 mod 3 = _____

15: 56 mod 8 = _____

16: 97 mod 2 = _____

17: 89 mod 7 = _____

18: 51 mod 4 = _____

19: 89 mod 2 = _____

20: 81 mod 10 = _____

21: 94 mod 1 = _____

22: 67 mod 1 = _____

23: 88 mod 9 = _____

24: 68 mod 10 = _____

25: 96 mod 6 = _____

# Question 5   [25 marks]

0: $99 \bmod 6 = 3$

1: $50 \bmod 3 = $ _____

2: $52 \bmod 6 = $ _____

3: $91 \bmod 1 = $ _____

4: $73 \bmod 10 = $ _____

5: $94 \bmod 7 = $ _____

6: $98 \bmod 1 = $ _____

7: $87 \bmod 6 = $ _____

8: $72 \bmod 4 = $ _____

9: $55 \bmod 1 = $ _____

10: $92 \bmod 7 = $ _____

11: $98 \bmod 9 = $ _____

12: $63 \bmod 2 = $ _____

13: $56 \bmod 5 = $ _____

14: $80 \bmod 7 = $ _____

15: $67 \bmod 4 = $ _____

16: $51 \bmod 7 = $ _____

17: $90 \bmod 3 = $ _____

18: $95 \bmod 4 = $ _____

19: $76 \bmod 4 = $ _____

20: $72 \bmod 6 = $ _____

21: $70 \bmod 5 = $ _____

22: $100 \bmod 9 = $ _____

23: $85 \bmod 2 = $ _____

24: $62 \bmod 7 = $ _____

25: $99 \bmod 6 = $ _____

# Question 6   [25 marks]

0: $52 \bmod 7 = 3$

1: $99 \bmod 3 = $ _____

2: $64 \bmod 7 = $ _____

3: $78 \bmod 4 = $ _____

4: $65 \bmod 3 = $ _____

5: $57 \bmod 4 = $ _____

6: $73 \bmod 7 = $ _____

7: $73 \bmod 8 = $ _____

8: $65 \bmod 5 = $ _____

9: $73 \bmod 6 = $ _____

10: $90 \bmod 4 = $ _____

11: $92 \bmod 5 = $ _____

12: $79 \bmod 2 = $ _____

13: $76 \bmod 4 = $ _____

14: $71 \bmod 4 = $ _____

15: $76 \bmod 4 = $ _____

16: $61 \bmod 4 = $ _____

17: $67 \bmod 4 = $ _____

18: $57 \bmod 5 = $ _____

19: $59 \bmod 5 = $ _____

20: $94 \bmod 6 = $ _____

21: $52 \bmod 1 = $ _____

22: $63 \bmod 1 = $ _____

23: $81 \bmod 10 = $ _____

24: $75 \bmod 5 = $ _____

25: $88 \bmod 4 = $ _____

## Question 7   [25 marks]

0: 93 mod 1 = 0

1: 60 mod 7 = _____

2: 82 mod 1 = _____

3: 54 mod 9 = _____

4: 76 mod 4 = _____

5: 94 mod 7 = _____

6: 59 mod 2 = _____

7: 100 mod 4 = _____

8: 71 mod 3 = _____

9: 91 mod 1 = _____

10: 62 mod 9 = _____

11: 98 mod 8 = _____

12: 80 mod 1 = _____

13: 69 mod 4 = _____

14: 78 mod 1 = _____

15: 87 mod 3 = _____

16: 76 mod 4 = _____

17: 64 mod 10 = _____

18: 54 mod 3 = _____

19: 55 mod 1 = _____

20: 84 mod 3 = _____

21: 88 mod 7 = _____

22: 93 mod 9 = _____

23: 79 mod 10 = _____

24: 75 mod 3 = _____

25: 91 mod 5 = _____

## Question 8   [25 marks]

0: 79 mod 1 = 0

1: 68 mod 4 = _____

2: 57 mod 5 = _____

3: 77 mod 10 = _____

4: 83 mod 10 = _____

5: 60 mod 8 = _____

6: 91 mod 10 = _____

7: 98 mod 1 = _____

8: 100 mod 4 = _____

9: 92 mod 7 = _____

10: 61 mod 4 = _____

11: 98 mod 5 = _____

12: 96 mod 1 = _____

13: 90 mod 1 = _____

14: 69 mod 6 = _____

15: 57 mod 7 = _____

16: 69 mod 2 = _____

17: 80 mod 4 = _____

18: 50 mod 7 = _____

19: 81 mod 6 = _____

20: 100 mod 6 = _____

21: 79 mod 8 = _____

22: 91 mod 9 = _____

23: 56 mod 6 = _____

24: 50 mod 6 = _____

25: 76 mod 8 = _____

## Question 9   [25 marks]

0: 78 mod 3 = 0

1: 76 mod 1 = _____

2: 54 mod 9 = _____

3: 65 mod 2 = _____

4: 52 mod 7 = _____

5: 58 mod 10 = _____

6: 60 mod 2 = _____

7: 81 mod 9 = _____

8: 93 mod 10 = _____

9: 75 mod 4 = _____

10: 91 mod 7 = _____

11: 78 mod 8 = _____

12: 54 mod 2 = _____

13: 77 mod 3 = _____

14: 75 mod 5 = _____

15: 81 mod 5 = _____

16: 55 mod 7 = _____

17: 74 mod 1 = _____

18: 94 mod 2 = _____

19: 98 mod 1 = _____

20: 55 mod 3 = _____

21: 92 mod 2 = _____

22: 98 mod 9 = _____

23: 56 mod 4 = _____

24: 92 mod 5 = _____

25: 53 mod 4 = _____

## Question 10   [25 marks]

0: 95 mod 5 = 0

1: 57 mod 3 = _____

2: 67 mod 1 = _____

3: 78 mod 8 = _____

4: 57 mod 10 = _____

5: 61 mod 9 = _____

6: 68 mod 5 = _____

7: 60 mod 9 = _____

8: 84 mod 9 = _____

9: 90 mod 1 = _____

10: 99 mod 8 = _____

11: 67 mod 1 = _____

12: 97 mod 1 = _____

13: 68 mod 2 = _____

14: 85 mod 3 = _____

15: 53 mod 9 = _____

16: 94 mod 8 = _____

17: 84 mod 1 = _____

18: 88 mod 6 = _____

19: 86 mod 8 = _____

20: 79 mod 4 = _____

21: 70 mod 2 = _____

22: 67 mod 9 = _____

23: 51 mod 6 = _____

24: 56 mod 9 = _____

25: 97 mod 3 = _____

## Question 11   [25 marks]

0: $180 \bmod 11 = 4$

1: $177 \bmod 12 = $ _____

2: $169 \bmod 19 = $ _____

3: $111 \bmod 20 = $ _____

4: $170 \bmod 10 = $ _____

5: $179 \bmod 14 = $ _____

6: $121 \bmod 18 = $ _____

7: $187 \bmod 12 = $ _____

8: $146 \bmod 14 = $ _____

9: $172 \bmod 10 = $ _____

10: $183 \bmod 12 = $ _____

11: $188 \bmod 20 = $ _____

12: $189 \bmod 10 = $ _____

13: $117 \bmod 14 = $ _____

14: $171 \bmod 13 = $ _____

15: $194 \bmod 19 = $ _____

16: $194 \bmod 10 = $ _____

17: $142 \bmod 16 = $ _____

18: $143 \bmod 16 = $ _____

19: $189 \bmod 20 = $ _____

20: $132 \bmod 18 = $ _____

21: $193 \bmod 20 = $ _____

22: $172 \bmod 14 = $ _____

23: $163 \bmod 17 = $ _____

24: $100 \bmod 16 = $ _____

25: $184 \bmod 18 = $ _____

## Question 12   [25 marks]

0: $186 \bmod 18 = 6$

1: $122 \bmod 16 = $ _____

2: $181 \bmod 12 = $ _____

3: $121 \bmod 17 = $ _____

4: $189 \bmod 15 = $ _____

5: $125 \bmod 11 = $ _____

6: $131 \bmod 14 = $ _____

7: $108 \bmod 17 = $ _____

8: $106 \bmod 19 = $ _____

9: $114 \bmod 19 = $ _____

10: $150 \bmod 14 = $ _____

11: $108 \bmod 12 = $ _____

12: $149 \bmod 17 = $ _____

13: $112 \bmod 16 = $ _____

14: $178 \bmod 10 = $ _____

15: $158 \bmod 17 = $ _____

16: $188 \bmod 18 = $ _____

17: $192 \bmod 17 = $ _____

18: $165 \bmod 18 = $ _____

19: $152 \bmod 14 = $ _____

20: $140 \bmod 19 = $ _____

21: $125 \bmod 17 = $ _____

22: $161 \bmod 19 = $ _____

23: $189 \bmod 17 = $ _____

24: $197 \bmod 11 = $ _____

25: $111 \bmod 17 = $ _____

## Question 13   [25 marks]

0:  $163 \bmod 12 = 7$

1:  $199 \bmod 18 = $ _____

2:  $130 \bmod 16 = $ _____

3:  $168 \bmod 19 = $ _____

4:  $137 \bmod 11 = $ _____

5:  $154 \bmod 15 = $ _____

6:  $157 \bmod 15 = $ _____

7:  $186 \bmod 20 = $ _____

8:  $190 \bmod 17 = $ _____

9:  $141 \bmod 13 = $ _____

10:  $157 \bmod 10 = $ _____

11:  $117 \bmod 12 = $ _____

12:  $104 \bmod 18 = $ _____

13:  $165 \bmod 19 = $ _____

14:  $141 \bmod 13 = $ _____

15:  $110 \bmod 17 = $ _____

16:  $151 \bmod 16 = $ _____

17:  $192 \bmod 17 = $ _____

18:  $128 \bmod 14 = $ _____

19:  $124 \bmod 16 = $ _____

20:  $182 \bmod 13 = $ _____

21:  $173 \bmod 17 = $ _____

22:  $165 \bmod 13 = $ _____

23:  $141 \bmod 17 = $ _____

24:  $169 \bmod 17 = $ _____

25:  $163 \bmod 18 = $ _____

## Question 14   [25 marks]

0:  $152 \bmod 14 = 12$

1:  $143 \bmod 10 = $ _____

2:  $110 \bmod 15 = $ _____

3:  $164 \bmod 19 = $ _____

4:  $141 \bmod 19 = $ _____

5:  $174 \bmod 18 = $ _____

6:  $125 \bmod 13 = $ _____

7:  $185 \bmod 19 = $ _____

8:  $160 \bmod 17 = $ _____

9:  $152 \bmod 11 = $ _____

10:  $121 \bmod 12 = $ _____

11:  $144 \bmod 16 = $ _____

12:  $100 \bmod 20 = $ _____

13:  $185 \bmod 13 = $ _____

14:  $116 \bmod 20 = $ _____

15:  $158 \bmod 18 = $ _____

16:  $120 \bmod 12 = $ _____

17:  $160 \bmod 10 = $ _____

18:  $133 \bmod 17 = $ _____

19:  $100 \bmod 16 = $ _____

20:  $162 \bmod 15 = $ _____

21:  $186 \bmod 20 = $ _____

22:  $184 \bmod 18 = $ _____

23:  $186 \bmod 18 = $ _____

24:  $196 \bmod 19 = $ _____

25:  $125 \bmod 15 = $ _____

## Question 15   [25 marks]

0: $186 \bmod 18 = 6$

1: $189 \bmod 17 = $ _____

2: $103 \bmod 13 = $ _____

3: $162 \bmod 15 = $ _____

4: $146 \bmod 20 = $ _____

5: $115 \bmod 12 = $ _____

6: $153 \bmod 17 = $ _____

7: $129 \bmod 10 = $ _____

8: $101 \bmod 12 = $ _____

9: $174 \bmod 17 = $ _____

10: $132 \bmod 15 = $ _____

11: $102 \bmod 11 = $ _____

12: $184 \bmod 13 = $ _____

13: $122 \bmod 11 = $ _____

14: $193 \bmod 13 = $ _____

15: $129 \bmod 14 = $ _____

16: $165 \bmod 17 = $ _____

17: $165 \bmod 16 = $ _____

18: $109 \bmod 15 = $ _____

19: $125 \bmod 17 = $ _____

20: $178 \bmod 11 = $ _____

21: $138 \bmod 15 = $ _____

22: $187 \bmod 19 = $ _____

23: $100 \bmod 13 = $ _____

24: $195 \bmod 19 = $ _____

25: $184 \bmod 14 = $ _____

## Question 16   [25 marks]

0: $160 \bmod 10 = 0$

1: $183 \bmod 18 = $ _____

2: $192 \bmod 12 = $ _____

3: $136 \bmod 20 = $ _____

4: $107 \bmod 13 = $ _____

5: $103 \bmod 20 = $ _____

6: $111 \bmod 12 = $ _____

7: $148 \bmod 14 = $ _____

8: $171 \bmod 14 = $ _____

9: $143 \bmod 14 = $ _____

10: $198 \bmod 18 = $ _____

11: $198 \bmod 13 = $ _____

12: $167 \bmod 11 = $ _____

13: $107 \bmod 13 = $ _____

14: $148 \bmod 12 = $ _____

15: $179 \bmod 16 = $ _____

16: $107 \bmod 20 = $ _____

17: $128 \bmod 13 = $ _____

18: $146 \bmod 11 = $ _____

19: $111 \bmod 18 = $ _____

20: $133 \bmod 16 = $ _____

21: $102 \bmod 13 = $ _____

22: $167 \bmod 16 = $ _____

23: $184 \bmod 14 = $ _____

24: $104 \bmod 18 = $ _____

25: $124 \bmod 20 = $ _____

## Question 17 [25 marks]

0: $139 \bmod 11 = 7$

1: $131 \bmod 18 = \underline{\hspace{2cm}}$

2: $138 \bmod 17 = \underline{\hspace{2cm}}$

3: $111 \bmod 18 = \underline{\hspace{2cm}}$

4: $175 \bmod 17 = \underline{\hspace{2cm}}$

5: $163 \bmod 12 = \underline{\hspace{2cm}}$

6: $132 \bmod 19 = \underline{\hspace{2cm}}$

7: $199 \bmod 10 = \underline{\hspace{2cm}}$

8: $116 \bmod 16 = \underline{\hspace{2cm}}$

9: $121 \bmod 12 = \underline{\hspace{2cm}}$

10: $131 \bmod 19 = \underline{\hspace{2cm}}$

11: $147 \bmod 14 = \underline{\hspace{2cm}}$

12: $199 \bmod 16 = \underline{\hspace{2cm}}$

13: $185 \bmod 13 = \underline{\hspace{2cm}}$

14: $166 \bmod 10 = \underline{\hspace{2cm}}$

15: $172 \bmod 15 = \underline{\hspace{2cm}}$

16: $145 \bmod 17 = \underline{\hspace{2cm}}$

17: $169 \bmod 16 = \underline{\hspace{2cm}}$

18: $125 \bmod 19 = \underline{\hspace{2cm}}$

19: $172 \bmod 16 = \underline{\hspace{2cm}}$

20: $198 \bmod 13 = \underline{\hspace{2cm}}$

21: $132 \bmod 14 = \underline{\hspace{2cm}}$

22: $162 \bmod 11 = \underline{\hspace{2cm}}$

23: $133 \bmod 15 = \underline{\hspace{2cm}}$

24: $125 \bmod 13 = \underline{\hspace{2cm}}$

25: $189 \bmod 13 = \underline{\hspace{2cm}}$

## Question 18 [25 marks]

0: $169 \bmod 15 = 4$

1: $164 \bmod 15 = \underline{\hspace{2cm}}$

2: $150 \bmod 14 = \underline{\hspace{2cm}}$

3: $179 \bmod 14 = \underline{\hspace{2cm}}$

4: $105 \bmod 20 = \underline{\hspace{2cm}}$

5: $164 \bmod 18 = \underline{\hspace{2cm}}$

6: $193 \bmod 16 = \underline{\hspace{2cm}}$

7: $139 \bmod 14 = \underline{\hspace{2cm}}$

8: $182 \bmod 19 = \underline{\hspace{2cm}}$

9: $137 \bmod 15 = \underline{\hspace{2cm}}$

10: $200 \bmod 14 = \underline{\hspace{2cm}}$

11: $150 \bmod 20 = \underline{\hspace{2cm}}$

12: $116 \bmod 17 = \underline{\hspace{2cm}}$

13: $121 \bmod 19 = \underline{\hspace{2cm}}$

14: $146 \bmod 16 = \underline{\hspace{2cm}}$

15: $192 \bmod 19 = \underline{\hspace{2cm}}$

16: $178 \bmod 19 = \underline{\hspace{2cm}}$

17: $137 \bmod 15 = \underline{\hspace{2cm}}$

18: $200 \bmod 18 = \underline{\hspace{2cm}}$

19: $137 \bmod 15 = \underline{\hspace{2cm}}$

20: $143 \bmod 10 = \underline{\hspace{2cm}}$

21: $110 \bmod 14 = \underline{\hspace{2cm}}$

22: $151 \bmod 15 = \underline{\hspace{2cm}}$

23: $136 \bmod 12 = \underline{\hspace{2cm}}$

24: $153 \bmod 17 = \underline{\hspace{2cm}}$

25: $180 \bmod 15 = \underline{\hspace{2cm}}$

## Question 19   [25 marks]

0:  $100 \bmod 19 = 5$

1:  $154 \bmod 13 = $ _____

2:  $132 \bmod 15 = $ _____

3:  $120 \bmod 10 = $ _____

4:  $174 \bmod 11 = $ _____

5:  $157 \bmod 13 = $ _____

6:  $131 \bmod 10 = $ _____

7:  $175 \bmod 14 = $ _____

8:  $114 \bmod 16 = $ _____

9:  $142 \bmod 15 = $ _____

10:  $150 \bmod 16 = $ _____

11:  $144 \bmod 17 = $ _____

12:  $131 \bmod 19 = $ _____

13:  $167 \bmod 18 = $ _____

14:  $196 \bmod 14 = $ _____

15:  $162 \bmod 20 = $ _____

16:  $138 \bmod 14 = $ _____

17:  $193 \bmod 12 = $ _____

18:  $122 \bmod 13 = $ _____

19:  $191 \bmod 15 = $ _____

20:  $169 \bmod 19 = $ _____

21:  $190 \bmod 17 = $ _____

22:  $184 \bmod 12 = $ _____

23:  $169 \bmod 19 = $ _____

24:  $110 \bmod 11 = $ _____

25:  $106 \bmod 15 = $ _____

## Question 20   [25 marks]

0:  $183 \bmod 13 = 1$

1:  $161 \bmod 18 = $ _____

2:  $188 \bmod 16 = $ _____

3:  $144 \bmod 17 = $ _____

4:  $135 \bmod 19 = $ _____

5:  $169 \bmod 16 = $ _____

6:  $186 \bmod 11 = $ _____

7:  $142 \bmod 14 = $ _____

8:  $162 \bmod 12 = $ _____

9:  $126 \bmod 18 = $ _____

10:  $108 \bmod 11 = $ _____

11:  $147 \bmod 13 = $ _____

12:  $184 \bmod 12 = $ _____

13:  $117 \bmod 18 = $ _____

14:  $126 \bmod 13 = $ _____

15:  $118 \bmod 14 = $ _____

16:  $108 \bmod 14 = $ _____

17:  $187 \bmod 20 = $ _____

18:  $148 \bmod 18 = $ _____

19:  $198 \bmod 14 = $ _____

20:  $129 \bmod 13 = $ _____

21:  $150 \bmod 11 = $ _____

22:  $102 \bmod 15 = $ _____

23:  $173 \bmod 10 = $ _____

24:  $134 \bmod 12 = $ _____

25:  $138 \bmod 17 = $ _____

## Question 21 [25 marks]

0: 648 mod 95 = 78

1: 541 mod 71 = _____

2: 611 mod 83 = _____

3: 623 mod 65 = _____

4: 699 mod 70 = _____

5: 644 mod 65 = _____

6: 602 mod 60 = _____

7: 542 mod 69 = _____

8: 875 mod 55 = _____

9: 845 mod 82 = _____

10: 817 mod 56 = _____

11: 915 mod 88 = _____

12: 785 mod 57 = _____

13: 502 mod 72 = _____

14: 588 mod 65 = _____

15: 970 mod 65 = _____

16: 873 mod 70 = _____

17: 636 mod 76 = _____

18: 708 mod 93 = _____

19: 675 mod 87 = _____

20: 802 mod 76 = _____

21: 885 mod 93 = _____

22: 951 mod 90 = _____

23: 847 mod 63 = _____

24: 636 mod 62 = _____

25: 667 mod 77 = _____

## Question 22 [25 marks]

0: 817 mod 84 = 61

1: 542 mod 88 = _____

2: 693 mod 90 = _____

3: 550 mod 58 = _____

4: 941 mod 89 = _____

5: 592 mod 75 = _____

6: 764 mod 91 = _____

7: 974 mod 94 = _____

8: 710 mod 98 = _____

9: 758 mod 93 = _____

10: 600 mod 69 = _____

11: 911 mod 78 = _____

12: 704 mod 53 = _____

13: 544 mod 75 = _____

14: 774 mod 61 = _____

15: 774 mod 57 = _____

16: 854 mod 91 = _____

17: 806 mod 71 = _____

18: 894 mod 55 = _____

19: 637 mod 61 = _____

20: 587 mod 62 = _____

21: 506 mod 74 = _____

22: 508 mod 88 = _____

23: 795 mod 79 = _____

24: 748 mod 94 = _____

25: 613 mod 89 = _____

# Question 23　[25 marks]

0: $610 \bmod 59 = 20$

1: $716 \bmod 87 = $ _____

2: $661 \bmod 88 = $ _____

3: $596 \bmod 70 = $ _____

4: $680 \bmod 50 = $ _____

5: $906 \bmod 60 = $ _____

6: $554 \bmod 61 = $ _____

7: $709 \bmod 82 = $ _____

8: $658 \bmod 76 = $ _____

9: $894 \bmod 51 = $ _____

10: $862 \bmod 82 = $ _____

11: $505 \bmod 97 = $ _____

12: $949 \bmod 55 = $ _____

13: $692 \bmod 50 = $ _____

14: $580 \bmod 67 = $ _____

15: $765 \bmod 78 = $ _____

16: $633 \bmod 78 = $ _____

17: $869 \bmod 83 = $ _____

18: $801 \bmod 89 = $ _____

19: $882 \bmod 75 = $ _____

20: $575 \bmod 57 = $ _____

21: $650 \bmod 51 = $ _____

22: $711 \bmod 53 = $ _____

23: $930 \bmod 100 = $ _____

24: $518 \bmod 53 = $ _____

25: $990 \bmod 53 = $ _____

# Question 24　[25 marks]

0: $891 \bmod 78 = 33$

1: $508 \bmod 94 = $ _____

2: $857 \bmod 99 = $ _____

3: $867 \bmod 72 = $ _____

4: $745 \bmod 61 = $ _____

5: $742 \bmod 98 = $ _____

6: $537 \bmod 53 = $ _____

7: $593 \bmod 54 = $ _____

8: $910 \bmod 50 = $ _____

9: $988 \bmod 76 = $ _____

10: $877 \bmod 51 = $ _____

11: $869 \bmod 54 = $ _____

12: $992 \bmod 76 = $ _____

13: $828 \bmod 92 = $ _____

14: $816 \bmod 66 = $ _____

15: $984 \bmod 80 = $ _____

16: $915 \bmod 69 = $ _____

17: $609 \bmod 96 = $ _____

18: $915 \bmod 58 = $ _____

19: $714 \bmod 68 = $ _____

20: $681 \bmod 90 = $ _____

21: $792 \bmod 66 = $ _____

22: $614 \bmod 86 = $ _____

23: $743 \bmod 73 = $ _____

24: $824 \bmod 99 = $ _____

25: $816 \bmod 55 = $ _____

## Question 25   [25 marks]

0: $712 \bmod 75 = 37$

1: $512 \bmod 98 = $ _____

2: $652 \bmod 62 = $ _____

3: $661 \bmod 75 = $ _____

4: $697 \bmod 85 = $ _____

5: $774 \bmod 80 = $ _____

6: $709 \bmod 91 = $ _____

7: $993 \bmod 64 = $ _____

8: $883 \bmod 83 = $ _____

9: $756 \bmod 52 = $ _____

10: $637 \bmod 68 = $ _____

11: $531 \bmod 66 = $ _____

12: $828 \bmod 53 = $ _____

13: $642 \bmod 63 = $ _____

14: $700 \bmod 90 = $ _____

15: $530 \bmod 97 = $ _____

16: $765 \bmod 63 = $ _____

17: $738 \bmod 100 = $ _____

18: $763 \bmod 98 = $ _____

19: $840 \bmod 87 = $ _____

20: $641 \bmod 93 = $ _____

21: $865 \bmod 73 = $ _____

22: $715 \bmod 97 = $ _____

23: $936 \bmod 54 = $ _____

24: $755 \bmod 82 = $ _____

25: $928 \bmod 82 = $ _____

## Question 26   [25 marks]

0: $893 \bmod 79 = 24$

1: $819 \bmod 58 = $ _____

2: $805 \bmod 86 = $ _____

3: $794 \bmod 55 = $ _____

4: $647 \bmod 88 = $ _____

5: $505 \bmod 94 = $ _____

6: $562 \bmod 66 = $ _____

7: $628 \bmod 92 = $ _____

8: $679 \bmod 50 = $ _____

9: $999 \bmod 85 = $ _____

10: $615 \bmod 99 = $ _____

11: $978 \bmod 99 = $ _____

12: $832 \bmod 98 = $ _____

13: $901 \bmod 96 = $ _____

14: $671 \bmod 83 = $ _____

15: $997 \bmod 57 = $ _____

16: $575 \bmod 78 = $ _____

17: $737 \bmod 71 = $ _____

18: $695 \bmod 96 = $ _____

19: $904 \bmod 71 = $ _____

20: $785 \bmod 54 = $ _____

21: $545 \bmod 60 = $ _____

22: $884 \bmod 81 = $ _____

23: $867 \bmod 73 = $ _____

24: $671 \bmod 60 = $ _____

25: $600 \bmod 73 = $ _____

# Question 27   [25 marks]

0: $525 \bmod 99 = 30$

1: $648 \bmod 94 = $ _____

2: $929 \bmod 84 = $ _____

3: $593 \bmod 74 = $ _____

4: $797 \bmod 82 = $ _____

5: $564 \bmod 96 = $ _____

6: $617 \bmod 64 = $ _____

7: $980 \bmod 52 = $ _____

8: $966 \bmod 78 = $ _____

9: $561 \bmod 64 = $ _____

10: $899 \bmod 71 = $ _____

11: $843 \bmod 83 = $ _____

12: $856 \bmod 72 = $ _____

13: $850 \bmod 54 = $ _____

14: $601 \bmod 97 = $ _____

15: $522 \bmod 78 = $ _____

16: $683 \bmod 52 = $ _____

17: $806 \bmod 57 = $ _____

18: $942 \bmod 53 = $ _____

19: $826 \bmod 92 = $ _____

20: $969 \bmod 60 = $ _____

21: $872 \bmod 62 = $ _____

22: $961 \bmod 90 = $ _____

23: $735 \bmod 69 = $ _____

24: $577 \bmod 80 = $ _____

25: $832 \bmod 97 = $ _____

# Question 28   [25 marks]

0: $630 \bmod 72 = 54$

1: $647 \bmod 89 = $ _____

2: $734 \bmod 90 = $ _____

3: $953 \bmod 72 = $ _____

4: $585 \bmod 79 = $ _____

5: $740 \bmod 70 = $ _____

6: $991 \bmod 67 = $ _____

7: $825 \bmod 73 = $ _____

8: $834 \bmod 73 = $ _____

9: $946 \bmod 89 = $ _____

10: $719 \bmod 80 = $ _____

11: $571 \bmod 78 = $ _____

12: $917 \bmod 93 = $ _____

13: $598 \bmod 91 = $ _____

14: $662 \bmod 83 = $ _____

15: $642 \bmod 81 = $ _____

16: $903 \bmod 80 = $ _____

17: $580 \bmod 96 = $ _____

18: $582 \bmod 81 = $ _____

19: $778 \bmod 92 = $ _____

20: $816 \bmod 54 = $ _____

21: $797 \bmod 69 = $ _____

22: $820 \bmod 70 = $ _____

23: $823 \bmod 83 = $ _____

24: $555 \bmod 50 = $ _____

25: $867 \bmod 77 = $ _____

# Question 29   [25 marks]

0: $544 \bmod 97 = 59$

1: $721 \bmod 92 = $ _____

2: $765 \bmod 80 = $ _____

3: $779 \bmod 67 = $ _____

4: $892 \bmod 50 = $ _____

5: $935 \bmod 97 = $ _____

6: $687 \bmod 57 = $ _____

7: $993 \bmod 97 = $ _____

8: $584 \bmod 80 = $ _____

9: $626 \bmod 54 = $ _____

10: $972 \bmod 79 = $ _____

11: $552 \bmod 62 = $ _____

12: $615 \bmod 95 = $ _____

13: $559 \bmod 89 = $ _____

14: $852 \bmod 90 = $ _____

15: $915 \bmod 94 = $ _____

16: $854 \bmod 55 = $ _____

17: $609 \bmod 57 = $ _____

18: $598 \bmod 60 = $ _____

19: $963 \bmod 98 = $ _____

20: $848 \bmod 78 = $ _____

21: $687 \bmod 87 = $ _____

22: $735 \bmod 70 = $ _____

23: $548 \bmod 78 = $ _____

24: $527 \bmod 52 = $ _____

25: $691 \bmod 93 = $ _____

# Question 30   [25 marks]

0: $876 \bmod 64 = 44$

1: $779 \bmod 77 = $ _____

2: $500 \bmod 74 = $ _____

3: $591 \bmod 98 = $ _____

4: $954 \bmod 94 = $ _____

5: $831 \bmod 56 = $ _____

6: $510 \bmod 84 = $ _____

7: $622 \bmod 52 = $ _____

8: $612 \bmod 86 = $ _____

9: $639 \bmod 75 = $ _____

10: $869 \bmod 67 = $ _____

11: $560 \bmod 87 = $ _____

12: $931 \bmod 74 = $ _____

13: $879 \bmod 64 = $ _____

14: $883 \bmod 84 = $ _____

15: $762 \bmod 99 = $ _____

16: $939 \bmod 69 = $ _____

17: $652 \bmod 100 = $ _____

18: $809 \bmod 65 = $ _____

19: $906 \bmod 66 = $ _____

20: $727 \bmod 73 = $ _____

21: $757 \bmod 78 = $ _____

22: $932 \bmod 89 = $ _____

23: $551 \bmod 88 = $ _____

24: $574 \bmod 77 = $ _____

25: $753 \bmod 97 = $ _____

## Question 31   [25 marks]

0: $726 \bmod 93 = 75$

1: $614 \bmod 55 = $ _____

2: $753 \bmod 69 = $ _____

3: $783 \bmod 96 = $ _____

4: $635 \bmod 82 = $ _____

5: $565 \bmod 69 = $ _____

6: $555 \bmod 87 = $ _____

7: $885 \bmod 55 = $ _____

8: $683 \bmod 66 = $ _____

9: $671 \bmod 78 = $ _____

10: $519 \bmod 82 = $ _____

11: $823 \bmod 86 = $ _____

12: $605 \bmod 94 = $ _____

13: $773 \bmod 83 = $ _____

14: $840 \bmod 62 = $ _____

15: $572 \bmod 72 = $ _____

16: $813 \bmod 100 = $ _____

17: $762 \bmod 67 = $ _____

18: $706 \bmod 85 = $ _____

19: $580 \bmod 77 = $ _____

20: $559 \bmod 61 = $ _____

21: $994 \bmod 74 = $ _____

22: $878 \bmod 85 = $ _____

23: $643 \bmod 94 = $ _____

24: $901 \bmod 80 = $ _____

25: $567 \bmod 59 = $ _____

## Question 32   [25 marks]

0: $802 \bmod 86 = 28$

1: $728 \bmod 66 = $ _____

2: $841 \bmod 58 = $ _____

3: $866 \bmod 65 = $ _____

4: $941 \bmod 78 = $ _____

5: $554 \bmod 61 = $ _____

6: $624 \bmod 81 = $ _____

7: $742 \bmod 73 = $ _____

8: $591 \bmod 98 = $ _____

9: $551 \bmod 93 = $ _____

10: $683 \bmod 99 = $ _____

11: $869 \bmod 100 = $ _____

12: $943 \bmod 79 = $ _____

13: $672 \bmod 97 = $ _____

14: $642 \bmod 91 = $ _____

15: $563 \bmod 67 = $ _____

16: $579 \bmod 93 = $ _____

17: $904 \bmod 59 = $ _____

18: $800 \bmod 58 = $ _____

19: $589 \bmod 57 = $ _____

20: $843 \bmod 83 = $ _____

21: $864 \bmod 74 = $ _____

22: $935 \bmod 63 = $ _____

23: $838 \bmod 85 = $ _____

24: $610 \bmod 97 = $ _____

25: $611 \bmod 65 = $ _____