

**UP SI MOCK TEST - 43 (SOLUTION)**

81. (C) Average of remaining students

$$= \frac{100 \times 80 - 10 \times 95 - 20 \times 90}{70}$$

$$= \frac{5250}{70} = 75$$

82. (A) A.T.Q.,

$$6x = 5(5 + x)$$

$$\Rightarrow x = 25$$

$$\therefore 6x = 6 \times 25$$

$$= 150 \text{ litres}$$

83. (C) Volume of bricks in wall

$$= 600 \times 500 \times 50 \times \frac{95}{100}$$

$$= 1425000 \text{ cm}^3$$

$$\text{Volume of one brick} = 25 \times 12.5 \times 7.5$$

$$= 2343.75 \text{ cm}^3$$

$$\therefore \text{Numbers of bricks} = \frac{1425000}{2343.75}$$

$$= 6080$$

84. (A) Let the cost of 'A' and 'B' objects are  $4x$  and  $5x$ .

$$\text{Now, New cost of 'A' objects} = 4x + 4x \times$$

$$\frac{20}{100} = \frac{20x}{5}$$

$$\text{And, new cost of 'B' objects} = 5x + 8$$

A.T.Q.,

$$\frac{20x}{5} = \frac{4}{5x+8}$$

$$\Rightarrow \frac{24x}{5} \times 5 = (5x + 8) \times 4$$

$$\Rightarrow 4x = 32$$

$$\Rightarrow x = 8$$

$$\text{Difference} = 5x - 4x$$

$$= 40 - 32$$

$$= ₹8$$

85. (A)  $A = 3 \times 97336$

$$= ₹292008$$

$$\text{Now, } P = \frac{97336}{\left(1 + \frac{15}{100}\right)} + \frac{97336}{\left(1 + \frac{15}{100}\right)^2} + \frac{97336}{\left(1 + \frac{15}{100}\right)^3}$$

$$= 97336 \left[ \frac{20}{23} + \left(\frac{20}{23}\right)^2 + \left(\frac{20}{23}\right)^3 \right]$$

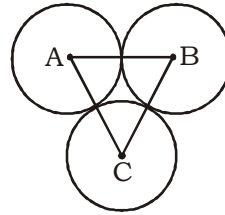
$$= 97336 \times \frac{20}{23} \times \frac{1389}{(23)^2}$$

$$= ₹222240$$

$$\text{S.I.} = 292008 - 222240$$

$$= ₹69768$$

86. (C)



Perimeter of  $\triangle ABC$

$$= (5 + 8) + (5 + 7) + (8 + 7)$$

$$= 13 + 12 + 15$$

$$= 40 \text{ cm}$$

87. (A) Profit =  $12 - 10 - \frac{12 \times 10}{100}$

$$= 2 - 1.2$$

$$= 0.8\%$$

88. (B) A.T.Q.,

$$\frac{x \times 9 \times 5}{100} = \frac{y \times 7.5 \times 4}{100}$$

$$\Rightarrow x \times 45 = y \times 30$$

$$\Rightarrow \frac{x}{y} = \frac{30}{45}$$

$$\Rightarrow \frac{x}{y} = \frac{2}{3}$$

89. (A)  $\frac{37}{12} - \left[ 1 - \frac{3}{4} + \left\{ \frac{5}{2} - \left( \frac{3}{2} - \frac{1}{2} \right) \right\} \right]$

$$= \frac{37}{12} - \left[ 1 - \frac{3}{4} + \left\{ \frac{5}{2} - \frac{7}{6} \right\} \right]$$

$$= \frac{37}{12} - \left[ 1 - \frac{3}{4} + \frac{16}{12} \right]$$

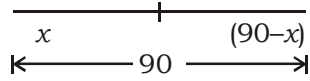
$$= \frac{37}{12} - \left[ \frac{12 - 9 + 16}{12} \right]$$

$$= \frac{37}{12} - \frac{19}{12}$$

$$= \frac{18}{12} = \frac{3}{2}$$

$$\therefore \text{Inverse} = \frac{2}{3}$$

90. (D)  $A\left(\frac{5}{7}\right)$        $B\left(\frac{2}{7}\right)$



A.T.Q.,

$$\frac{7x}{5} \times \frac{7(90-x)}{2} = 35$$

$$\frac{7x}{5} + \frac{7(90-x)}{2}$$

$$\Rightarrow x = 30$$

Hence, time of A =  $\frac{7 \times 30}{5} = 42$  days

91. (A)  $A \rightarrow \frac{1}{32}$

$B \rightarrow \frac{1}{48}$

$A \rightarrow \frac{1}{64}$

Let pipe 'B' started  $x$  hrs.

Let pipe 'A' started  $(112 - x)$  hrs

A.T.Q.,

$$\left(\frac{1}{32} - \frac{1}{64}\right)(112 - x) + \left(\frac{1}{48} - \frac{1}{64}\right)x = 1$$

$$\Rightarrow \frac{(3-2)(112-x)}{64} + \frac{(4-3)}{64 \times 3} = 1$$

$$\Rightarrow (112 - x) + \frac{x}{3} = 64$$

$$\Rightarrow 112 \times 3 - 3x + x = 64 \times 3$$

$$\Rightarrow 2x = 112 \times 3 - 64 \times 3$$

$$\Rightarrow x = \frac{144}{2}$$

$$\Rightarrow x = 72$$

Hence, pipe 'B' started in 72 hrs.

92. (C) Let the present age of Rahman be  $x$  years.

A.T.Q.,

$$\frac{1}{(x-3)} + \frac{1}{(x-5)} = \frac{1}{3}$$

$$\Rightarrow \frac{x+5+x-3}{(x-3)(x-5)} = \frac{1}{3}$$

$$\Rightarrow 6x + 6 = x^2 + 5x - 3x - 15$$

$$\Rightarrow x^2 - 4x - 21 = 0$$

$$\Rightarrow (x-7)(x+3) = 0$$

$$\Rightarrow x = 7 \text{ years}$$

93. (D) Total S.P. =  $2025 \times \frac{1}{5} \times \frac{120}{100} + 2025 \times$

$$\frac{4}{5} \times \frac{105}{100} = 486 + 1701$$

$$= ₹2187$$

$$\% P = \frac{2187 - 2025}{2025} \times 100$$

$$= 8\%$$

94. (A) Difference =  $\frac{P \times r^2}{(100)^2} \left(\frac{r}{100} + 3\right)$

$$\Rightarrow 15.25 = \frac{P \times 5^2}{(100)^2} \left(\frac{5}{100} + 3\right)$$

$$\Rightarrow 15.25 = \frac{P \times 1}{400} \left(\frac{305}{100}\right)$$

$$\Rightarrow 15.25 = \frac{15.25 \times 400 \times 100}{305}$$

$$\Rightarrow P = ₹2000$$

95. (C) Let the speed of train be ' $x$ ' km/h and length of train be ' $y$ ' m.

A.T.Q.,

$$(x-3) \times \frac{5}{18} = \frac{y}{10}$$

$$\Rightarrow 50x - 150 = 18y$$

$$\Rightarrow 50x - 9y = 75 \quad \dots(i)$$

and,  $(x-5) \times \frac{5}{18} = \frac{y}{11}$

$$\Rightarrow 55x - 18y = 18y$$

$$\Rightarrow 55x - 18y = 275 \quad \dots(ii)$$

After solving eq. (i) and (ii)

$$x = 25 \text{ km/hr}$$

96. (B) Total distance travelled by

$$\text{Sonu} = 40 \times \frac{7}{2} + 48 \times \frac{5}{2}$$

$$= 140 + 120$$

$$= 260 \text{ km}$$

Let the total distance be  $x$ .

A.T.Q.,

$$x \times \frac{4}{5} = 260$$

$$\Rightarrow x = 325 \text{ km}$$

$$\text{Remaining distance} = 325 - 260 = 65 \text{ km}$$

$$\text{Remaining speed} = \frac{65}{31} \times 20$$

$$= \cong 40 \text{ km/hr}$$

97. (C) Let list price = ₹ $x$

$$\text{C.P.} = x - x \times \frac{20}{100} = ₹ \frac{4x}{5}$$

Let MP = ₹ $y$

A.T.Q.,

$$\Rightarrow y \times \frac{80}{100} \times \frac{100}{125} = \frac{4x}{5}$$

$$\Rightarrow y = \frac{125}{100} x$$

$$\Rightarrow y = 125\% \text{ of } x$$

98. (C) Let income of the family be  $2x$  and  $3x$  and expenses of the family be  $5y$  and  $9y$

A.T.Q.,

$$3x = 4.5$$

$$\Rightarrow x = 1.5$$

$$\text{So, } 2x = 3 \text{ and } 5y = 2.4$$

$$\Rightarrow 9y = \frac{2.4}{5} \times 9 = 4.32$$

The ratio of saving

$$= \frac{2x - 5y}{3x - 9y} = \frac{3 - 2.5}{4.5 - 4.32} = 10 : 3$$

99. (D) Let the base of parallelogram be  $x$  and height ' $h$ ',

And, base of the triangle =  $\frac{x}{3}$  and

height =  $h_2$

A.T.Q.,

$$\frac{1}{2} \times \frac{x}{3} \times h_2 = x \times h_1$$

$$\Rightarrow \frac{h_2}{h_1} = \frac{6}{1} \Rightarrow h_2 : h_1 = 6 : 1$$

100. (D) Let A, B and C three numbers

$$\begin{array}{|c|c|c|} \hline A & B & C \\ \hline 75 & 80 & 100 \\ \hline \end{array}$$

$$\% = \frac{75}{80} \times 100$$

$$= 93.75\%$$

101. (D) Area of total figures

= Area of square + 4 area of semicircles

$$= 8^2 + 4 \left[ \frac{1}{2} \times \pi \times \left( \frac{8}{2} \right)^2 \right]$$

$$= 64 + 32\pi$$

$$\Rightarrow 32(2 + \pi) \text{ cm}^2$$

102. (B) Number =  ${}^4P_4 - {}^3P_3$

$$= \underline{4} - \underline{3}$$

$$= 24 - 6$$

$$= 18$$

103. (A) The quantity of milk in 729 Litres mixtures

$$= \frac{7}{9} \times 729$$

$$= 567 \text{ litres}$$

$$\text{The quantity of water} = (729 - 567) = 162 \text{ litres}$$

Let quantity of water mixes then the ratio becomes 7 : 3.

A.T.Q.,

$$\frac{567}{162 + x} = \frac{7}{3}$$

$$\Rightarrow x = 81 \text{ litres}$$

104. (A) C.P. =  $\frac{100}{110} \times 181$   
= ₹810

$$\text{M.P.} = \left( \frac{100}{100 - 10} \right) \times 810 = ₹900$$

105. (A)  $x \xrightarrow{70\text{hr}} \bullet \xrightarrow{y} \rightarrow$   
 $\bullet \xrightarrow{P} \dots \xrightarrow{Q} \bullet \xrightarrow{7\text{hr}} \rightarrow$   
 $\bullet \xrightarrow{P} \leftarrow \bullet \xrightarrow{1\text{hr}} \bullet$

Let the speed of 'P' and 'Q'  $x$  km/hr and  $y$  km/hr.

A.T.Q.,

$$\frac{70}{x + y} = 1 \quad \dots(i)$$

Now,

The distance travelled by 'P' in 7 hrs in same direction - the distance travelled by Q in 7 hrs = 70

$$\Rightarrow 7x - 7y = 70$$

$$\Rightarrow x - y = 10 \quad \dots(ii)$$

After solving eqn. (i) and (ii)

$$x = 40 \text{ km/hr}$$

$$y = 30 \text{ km/h}$$

$$\text{Then, } P : Q = 4 : 3$$

106. (D) Radius of circumcircle =  $\frac{14\sqrt{3}}{\sqrt{3}} = 14 \text{ cm}$

$$\text{Area of circumcircle} = \frac{22}{7} \times 14 \times 14 = 616 \text{ cm}^2.$$

107. (D)  $\begin{array}{ccc} A & B & C \\ x & x-5 & x-9 \end{array}$

$$\therefore \frac{x(x-5)}{x+(x-5)} = x-9 \quad \dots(i)$$

By option

$$x = 5$$

$$\therefore \text{Time taken by 1st tank} = 15 \text{ hrs}$$

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108. (B) First five even number = 2, 4, 8, 10  
HCF = 2  
First five odd number = 1, 3, 5, 7, 9  
HCF = 1  
∴ Product = 2 × 1  
= 2.

109. (B) Distance between school to home

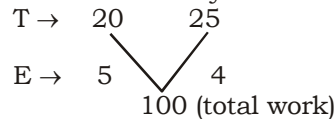
$$= \frac{uv \times (t_2 + t_1)}{(v - u)} \text{ km}$$

$$= \frac{5}{2} \times \frac{45}{14} \left( \frac{6}{60} + \frac{6}{60} \right)$$

$$= \frac{45}{14} \times \frac{5}{2}$$

$$= \frac{9}{4} \text{ km.}$$

110. (A) Rahul Shyam



5 (R + S) = 5 (5 + 4)  
Remaining work = 100 - 45 = 55 units

∴ Rahul does the remaining work =  $\frac{35}{5}$   
= 11 days

111. (C) Let  $\frac{x}{6} = \frac{y-3}{8} = \frac{z-5}{12} = K$

Then,  $x = 6K$ ,  $y = 8K + 3$ ,  $z = 12K + 5$   
 $x + y + z = 21$

∴  $6K = 8K + 3 + 12K + 5 = 21$   
⇒  $26K = 13$

⇒  $K = \frac{1}{2}$

Then,  
 $y = 7$ ,  $z = 11$   
∴  $yz = 77$

112. (C)  $\left(1 - \frac{1}{2}\right) + \left(\frac{1}{2} - \frac{1}{3}\right) + \left(\frac{1}{3} - \frac{1}{4}\right) + \dots$

$$+ \left\{ \frac{1}{n} - \frac{1}{n+1} \right\}$$

$$= \left[ 1 - \frac{1}{(n+1)} \right] = \frac{(n+1-1)}{(n+1)} = \frac{n}{n+1}$$

113. (D)  $(32 - 20)\% \Rightarrow (30 + 42)$

$$10\% \Rightarrow \frac{72}{6} \times 100 = 600$$

$$\text{Minimum marks} = 600 \times \frac{20}{100} + 30$$

$$\text{Result \%} = \frac{150}{600} \times 100\%$$

$$= 25\%$$

114. (B) % Increase =  $50 - 20 - \frac{50 \times 20}{100}$   
= 20%

115. (C) The average of monthly salary of remaining men

$$= \frac{12 \times 1540 - 1430}{(12 - 1)}$$

$$= \frac{17050}{11} = ₹ 1550$$

116. (D) [(10% of 4.75) - (8% of 4.75)]

$$= (2\% \text{ of } 4.75)$$

$$= ₹ 0.095 \text{ lakhs}$$

$$= ₹ 9500$$

117. (D) Let the amounts invested in 2018 in Companies Reliance Pvt. Ltd and Tata Steel Pvt. Ltd be ₹ 8x and ₹ 9x respectively.

Then, interest received after one year from Company Reliance Pvt. Ltd

$$= ₹ (6\% \text{ of } 8x)$$

$$= ₹ \frac{48}{100} x$$

and, interest received after one year from Company Tata Steel Pvt. Ltd

$$= ₹ (4\% \text{ of } 9x)$$

$$= ₹ \frac{36}{100} x$$

$$\text{Required ratio} = \frac{\left(\frac{48}{100} x\right)}{\left(\frac{36}{100} x\right)} = \frac{4}{3}$$

118. (D) Let ₹ x lakhs be invested in Company Reliance Pvt. Ltd in 2016, the amount invested in Company Tata Steel Pvt. Ltd in 2016 = ₹ (30 - x) lakhs

Total interest received from the two companies after 1 year

$$= ₹ [(7.5\% \text{ of } x) + \{9\% \text{ of } (30 - x)\}] \text{ lakhs}$$

$$= ₹ \left[ 2.7 - \left( \frac{1.5x}{100} \right) \right] \text{ lakhs}$$

$$\therefore \left[ 2.7 - \left( \frac{1.5x}{100} \right) \right] = 2.43 \Rightarrow x = 18$$

119. (C) Amount received from Company Reliance Pvt. Ltd after one year (i.e., in 2015) on investing ₹ 12 lakhs in it.

$$= ₹ [12 + (8\% \text{ of } 12)] \text{ lakhs}$$

$$= ₹ 12.96 \text{ lakhs}$$

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Amount received from Company Reliance Pvt. Ltd after one year on investing ₹ 12.96 lakhs in the year 2015

$$= ₹ [12.96 + (10\% \text{ of } 12.96)] \text{ lakhs}$$

$$= ₹ 14.256$$

Amount received on investment during the period of two years

$$= ₹ (14.256 - 12) \text{ lakhs}$$

$$= ₹ 2.256 \text{ lakhs}$$

$$= ₹ 2,25,600$$

120. (B) Amount received from Company Tata Steel Pvt. Ltd after one year on investment of ₹ 5 lakhs in the year 2012

$$= ₹ [5 + (6.5\% \text{ of } 5)] \text{ lakhs}$$

$$= ₹ 5.325 \text{ lakhs}$$

Amount received from Company Reliance after one year on investment of ₹ 5.325 lakhs in the year 2013

$$= ₹ [5.325 + (9\% \text{ of } 5.325)] \text{ lakhs}$$

$$= ₹ 5.80425 \text{ lakhs}$$

$$= ₹ 5,80,425$$

121. (C) जिस प्रकार स्पेन का राष्ट्रीय खेल फुटबॉल है, ठीक उसी प्रकार कनाडा का राष्ट्रीय खेल **आईस हॉकी** है।

122. (D) जिस प्रकार गोदान का रचयिता मुंशी प्रेमचन्द्र है, उसी प्रकार यंग इंडिया का रचयिता **महात्मा गाँधी** हैं।

123. (C) जिस प्रकार,  $M + W - 2 = 13 + 23 - 2 = 34$   
उसी प्रकार,  $P + X - 5 = 16 + 24 - 5 = \mathbf{35}$

124. (C) जिस प्रकार,  $(7)^3 = 7 - 1 = 6$   
उसी प्रकार,  $(5)^3 = 5 - 1 = \mathbf{4}$

125. (D) ज्योतिपुंज तथा इक्जाम वॉरियरस पुस्तक दोनों के रचयिता नरेन्द्र मोदी हैं, लेकिन भगवद् गीता पुस्तक का रचयिता **कृष्ण द्वैपायन** है।

126. (D) जिस प्रकार,  $11+6 = 17$ ,  $8+5 = 13$ ,  $5+4 = 9$   
उसी प्रकार,  $1 + 3 = \mathbf{4}$  एक सम संख्या है बाकी सभी विषम संख्या है।

127. (B) 'JKL' लगातार वर्णमाला है।

128. (A) जिस प्रकार,  $5^3 + 4^2 = 141$ ,  $6^3 + 2^2 = 220$   
उसी प्रकार,  $7^3 + 3^2 = \mathbf{352}$

129. (B) जिस प्रकार,  $(16-6)^2 + (5-2)^2 = 10^2 + 3^2 = 109$   
 $(22-15)^2 + (21-19)^2 = 7^2 + 2^2 = 53$   
उसी प्रकार,  $(17-13)^2 + (51-48)^2 = 4^2 + 2^2 = \mathbf{25}$

130. (D) भिन्न संख्या  $(9 + 2) = 11$   
भिन्न संख्या  $11 + 2 = 13$   
भिन्न संख्या  $13 + 2 = \mathbf{15}$

131. (B)

132. (B) **bbabb**

133. (C)

अतः पूरब की दिशा में दक्षिण-पश्चिम बनेगी।

134. (C)

135. (B)  $10 A 21 C 3 D 3 B 4$   
 $= 10 + 21 \div 3 \times 3 - 4$   
 $= 10 + 7 \times 3 - 4$   
 $= 10 + 21 - 4$   
 $= \mathbf{27}$

136. (A) जिस प्रकार, AUDITORIUM का विपरीत क्रम MUIROTIDUA है। ठीक उसी प्रकार MISFORTUNE का विपरीत क्रम **ENUTROFSIM** है।

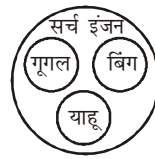
137. (A)

138. (B)

139. (D)

निष्कर्ष I. ✓ II. ✓  
III. ✗ IV. ✗

140. (B)

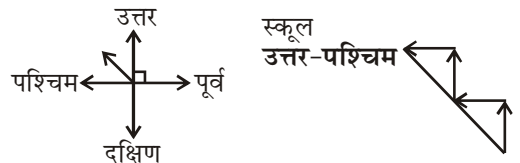


141. (A)

142. (B)

143. (C)

144. (B)



145. (A)

अतः दिलीप, रोहित का बहनोई है।

146. (B)

147. (D)  $8 - 8 + 1 = 11 \div 11$   
 $1 = 1$

148. (D) I. R तथा Q के बीच आयु का अंतर  
 $= Q$  तथा T के बीच आयु का अंतर  
II. R तथा T के आयु का योग = 50 वर्ष  
तो,  $R - Q = Q - T$

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- $R + T = 2Q$   
तब,  $R + T = 50$   
यहाँ, हम Q का आयु 25 जानते हैं, लेकिन R का आयु नहीं जानते हैं, इसलिए **ऑकड़े अपर्याप्त** हैं।
149. (B)  $\xrightarrow{\text{प्रकाश}} 7 \bullet \bullet \xleftarrow{\text{प्रकाश}}$   
बाएं से दाएं से  
∴ प्रकाश की दाईं ओर से प्रारम्भिक स्थिति  
(16 - 9 + 1) = **8वीं**
150. (A) 30 सितम्बर, 1997 से 30 सितम्बर, 2003 तक दिनों की संख्या  
=  $365 \times 6 + 1 = 2191$   
इस अवधि में विषम दिनों की संख्या = 0  
∴ **30 सितम्बर, 2003** को मंगलवार पड़ेगा।
151. (A) C A R R O T  
          └─┬─┘  
          ↑
152. (C) जिस प्रकार, MAN → SANM  
                          1 2 3     2 3 1  
उसी प्रकार, WORD → SORDW  
                          1 2 3 4     **2 3 4 1**
153. (B)
154. (B) जिस प्रकार, CHURCH  $\xrightarrow{\text{उल्टा वर्णमाला}}$  XSFIXS

उसी प्रकार,

XLANETARIUM  $\xrightarrow{\text{उल्टा वर्णमाला}}$  **COZMVRZIRFN**

155. (C) विनोद की पत्नी की एकमात्र पुत्री ही विनोद की पत्नी है तथा पत्नी की पुत्री ही विनोद की पुत्री हुई। अतः विनोद फोटोग्राफ वाली लड़की का पिता है।
156. (C)
157. (A)
158. (A)
159. (A) कथन I तथा II से चारों जादूगर का प्रदर्शन क्रम

फरवरी का तिथि	व्यक्ति
1	U
2	X
3	V
4	W

अतः **W**, 4 फरवरी को प्रदर्शित करेगा।

160. (C) ∴ 12 घंटों में, वे 22 बार समकोण हैं।  
∴ 24 घंटों में, वे 44 बार समकोण हैं।

**UP SI ANSWER KEY - 43**

- |         |         |         |         |          |          |          |          |
|---------|---------|---------|---------|----------|----------|----------|----------|
| 1. (D)  | 21. (A) | 41. (C) | 61. (C) | 81. (C)  | 101. (D) | 121. (C) | 141. (A) |
| 2. (C)  | 22. (D) | 42. (A) | 62. (C) | 82. (A)  | 102. (B) | 122. (D) | 142. (B) |
| 3. (C)  | 23. (C) | 43. (A) | 63. (B) | 83. (C)  | 103. (A) | 123. (C) | 143. (C) |
| 4. (D)  | 24. (D) | 44. (B) | 64. (B) | 84. (A)  | 104. (A) | 124. (C) | 144. (B) |
| 5. (C)  | 25. (A) | 45. (A) | 65. (C) | 85. (A)  | 105. (A) | 125. (D) | 145. (A) |
| 6. (D)  | 26. (C) | 46. (B) | 66. (B) | 86. (C)  | 106. (D) | 126. (D) | 146. (B) |
| 7. (B)  | 27. (A) | 47. (C) | 67. (C) | 87. (A)  | 107. (D) | 127. (B) | 147. (D) |
| 8. (A)  | 28. (C) | 48. (A) | 68. (C) | 88. (B)  | 108. (B) | 128. (A) | 148. (D) |
| 9. (B)  | 29. (C) | 49. (A) | 69. (B) | 89. (A)  | 109. (B) | 129. (B) | 149. (B) |
| 10. (D) | 30. (D) | 50. (B) | 70. (C) | 90. (D)  | 110. (A) | 130. (D) | 150. (A) |
| 11. (A) | 31. (B) | 51. (D) | 71. (A) | 91. (A)  | 111. (C) | 131. (B) | 151. (A) |
| 12. (C) | 32. (A) | 52. (C) | 72. (C) | 92. (C)  | 112. (C) | 132. (B) | 152. (C) |
| 13. (C) | 33. (C) | 53. (C) | 73. (C) | 93. (D)  | 113. (D) | 133. (C) | 153. (B) |
| 14. (A) | 34. (A) | 54. (C) | 74. (A) | 94. (A)  | 114. (B) | 134. (C) | 154. (B) |
| 15. (C) | 35. (B) | 55. (D) | 75. (D) | 95. (C)  | 115. (C) | 135. (B) | 155. (C) |
| 16. (B) | 36. (D) | 56. (D) | 76. (C) | 96. (B)  | 116. (D) | 136. (A) | 156. (C) |
| 17. (A) | 37. (C) | 57. (B) | 77. (A) | 97. (C)  | 117. (D) | 137. (A) | 157. (A) |
| 18. (D) | 38. (C) | 58. (A) | 78. (C) | 98. (C)  | 118. (D) | 138. (B) | 158. (A) |
| 19. (A) | 39. (A) | 59. (D) | 89. (A) | 99. (D)  | 119. (C) | 139. (D) | 159. (A) |
| 20. (D) | 40. (C) | 60. (B) | 80. (A) | 100. (D) | 120. (B) | 140. (B) | 160. (C) |