

## 16 AUGUST (12 PM) (SOLUTION)

1. (1) As, ALPINE  $\Rightarrow 1 + 12 + 16 + 9 + 14 + 5 = 57 \Rightarrow 57 \times 3$  (Number of vowels) = 171  
 And, SPRING  $\Rightarrow 19 + 16 + 18 + 9 + 14 + 7 = 83 \Rightarrow 83 \times 1$  (Number of vowel) = 83  
 Similarly, CAPITAL  $\Rightarrow 3 + 1 + 16 + 9 + 20 + 1 = 62 \times 3$  (Number of vowels) = **186**

2. (1)

3. (3) As,  $(15 + 3) \times (15 \div 2) = 135$   
 And,  $(16 + 3) \times (16 \div 2) = \mathbf{152}$   
 Similarly,  $(18 + 3) \times (18 \div 2) = 189$

4. (2) (1)  $\frac{28 \times 9}{2} = 126 \neq 70$       (2)  $\frac{32 \times 4}{2} = 64$

(3)  $\frac{16 \times 9}{2} = 72 \neq 55$       (4)  $\frac{25 \times 6}{2} = 75 \neq 61$

5. (4) Let the present are of older be x years.

Father's present are 3x.

ATQ,

$$(3x + 4) = (x + 4) \times 4$$

$$3x + 4 = 4x + 16$$

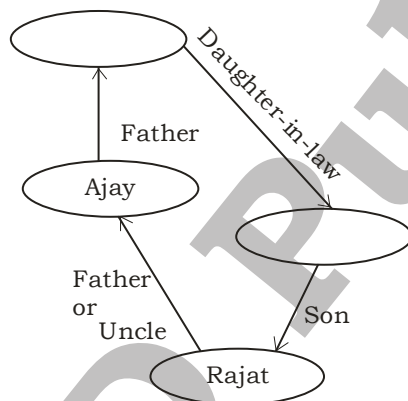
$$x = 12 \text{ years}$$

$$\therefore \text{Present are of father} = 12 \times 3 = 36 \text{ years}$$

6. (2)

7. (4) 1. Umbelical  $\rightarrow$  4. Umbrella  $\rightarrow$  3. Urathered  $\rightarrow$  5. Unanimous  $\rightarrow$  2. orgent

8. (4)



Hence, Ajay is either father or uncle.

9. (1)

10. (1) (1) FJQL  $\Rightarrow 6 + 10 + 17 + 22 = 45$   
 (2) IDWG  $\Rightarrow 9 + 4 + 23 + 7 = 43$   
 (3) EMNK  $\Rightarrow 5 + 13 + 14 + 11 = 43$   
 (4) BTGN  $\Rightarrow 2 + 20 + 7 + 14 = 43$

11. (3)

12. (4)  $6 * 10 * 55 * 162 * 9 = 23$

After put the sign,

$$6 \times 10 - 55 + 162 \div 9 = 23$$

$$60 - 55 + 18 = 23$$

$$78 - 55 = 23$$

$$23 = 23$$

13. (3) 5 13 22 34 51 75 108 152 **209**
- +8 +9 +12 +17 +24 +33 +44 +57
- +1 +3 +5 +7 +9 +11 +13

14. (4) B E G J L O
- +3 +2 +3 +2 +3

15. (2)

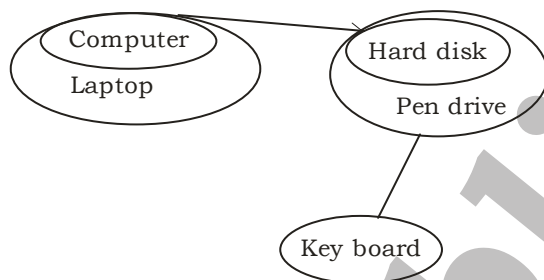
16. (1) G C B J H E M M H P R K S W N
- +3 +3 +3 +3 +3 +3 +3 +3
- +5 +5 +5 +5 +5 +5 +5 +5
- +3 +3 +3 +3 +3 +3 +3 +3

17. (1)

18. (1) Group of chicken is flock, while group of bear is sleuth.

19. (1) Except prowl, others are similar.

20. (2)



- I. False II. False III. False IV. True

Hence, only conclusion IV follows.

21. (2)

22. (2) Rajghat is a memorial dedicated to mahatma gandhi, while vijay ghat is the memorial dedicated to Lal Bahadur Shastri.

23. (3)

24. (3) As,  $(22 + 32) \div 3 = 18$   
And,  $(32 + 40) \div 3 = 24$   
Similarly,  $(7 + \mathbf{8}) \div 3 = 5$

25. (1) As,  $(6 \times 8) + (6 + 8) = 62$   
And,  $(11 \times 3) + (11 + 3) = 47$   
Similarly,  $(14 \times \mathbf{5}) + (14 + \mathbf{5}) = 89$

26. (4) Interpreter of Maladies is a book collection of nine short stories by American author of Indian origin Jhumpa Lahiri published in 1999.

27. (3) Today at Inaugural Ceremony of Aero India 2021, in the presence of Raksha Mantri Shri Rajnath Singh, the Contract for 83 Light Combat Aircraft Tejas was handed over to Hindustan Aeronautics Limited

29. (4) Mycology is the branch of biology concerned with the study of fungi, including their genetic and biochemical properties, their taxonomy and their use to humans as a source for tinder, traditional medicine, food, and entheogens, as well as their dangers, such as toxicity or infection.

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31. (1) The d-block of the periodic table contains the elements of the groups 3-12. The d-block element is known as a transition element.

32. (3) 7 were awarded the Padma Vibhushan, 10 named for the Padma Bhushan and 102 named for Padma Shri. Padma Awards - one of the highest civilian Awards of the country, are conferred in three categories, namely, Padma Vibhushan, Padma Bhushan and Padma Shri.
33. (4) The correct answer is France. Quad comprises Japan, India, Australia, and the United States. It is not an alliance but a grouping of countries that are interested in strengthening a rules-based order in the Indo-Pacific region.
34. (1) Its headquarters are in Lausanne, Switzerland and the president is Dr Narinder Dhruv Batra. FIH is responsible for field hockey's major international tournaments, notably the Hockey World Cup.
36. (3) The act was passed in 1891. It received support from Indian reformers such as Behramji Malabari and women social organisations.
37. (2) Private goods are excludable and rival. Examples of private goods include food, clothes, and flowers. There are usually limited quantities of these goods, and owners or sellers can prevent other individuals from enjoying their benefits.
38. (4) Speaker of Lok Sabha is its ex-officio President. It was founded in 1949, following a Motion adopted by the Constituent Assembly on 16 August 1948.
41. (1) This year awardees include Padma Vibhushan for former Japan Prime Minister Shinzo Abe; S P Balasubramanian (posthumous); Belle Monappa Hegde, archaeologist B B Lal and Narinder Singh Kapany (posthumous).
42. (2) Borail Wildlife Sanctuary is located in the southern part of Assam, India in Cachar and Dima Hasao districts. The altitude ranging between 55-1000 m above mean sea level. It spreads over 326.24 km.
45. (3) Siddhartha Gautama, the Lord Buddha, was born in 623 B.C. in the famous gardens of Lumbini, which soon became a place of pilgrimage.
47. (2) Hindi Diwas or Hindi Day is observed every year on 14 September to mark the popularity of Hindi as an official language of India. The language was adopted under Article 343 of the Indian Constitution. The first Hindi day was celebrated on 14th September 1953.
49. (4) After the confluence of Sankh River and South Koel River at Vedvyas (in Orissa at latitude  $22^{\circ} 48' N$  and longitude  $84^{\circ} 14' E$ , at an elevation of 200 m), the combined river is known by the name Brahmani.
50. (4) The correct answer is Chlorophyceae. Member of Chlorophyceae is commonly known as 'green algae'. The plant body may be unicellular, colonial, or filamentous. They are usually grass green due to the dominance of pigments chlorophyll.
51. (2) In  $\triangle ABC$ ,  
 $\angle BAC + \angle ABC + \angle ACB = 180^{\circ}$   
 $\angle ABC + \angle ACB = 180^{\circ} - 74^{\circ} = 106^{\circ}$   
 $\frac{1}{2} \angle ABC + \frac{1}{2} \angle ACB = 53^{\circ}$   
 $\angle OBC + \angle OCB = 53^{\circ}$   
 Now,  
 In  $\triangle BOC$   
 $\angle BOC + \angle OBC + \angle OCB = 180^{\circ}$   
 $\therefore \angle BOC = 180^{\circ} - 53^{\circ} = 127^{\circ}$
52. (1) Average of first eight prime numbers =  $\frac{2+3+5+7+11+13+17+19}{8} = \frac{77}{8}$   
 Average of first even ten nature of numbers =  $\frac{2+4+6+8+10+12+14+16+18+20}{10}$   
 $= \frac{110}{10} = 11$   
 $\therefore$  Required ratio =  $\frac{77}{8} : 11 = 7 : 8$

53. (2) Required number of year is 2017.

54. (2)  $\frac{\cot^3 \theta}{\operatorname{cosec}^2 \theta} + \frac{\tan^3 \theta}{\sec^2 \theta} + 2 \sin \theta \cos \theta$

$$= \frac{\frac{\cos^3 \theta}{\sin^3 \theta}}{\frac{1}{\cos^2 \theta}} + \frac{\frac{\sin^3 \theta}{\cos^3 \theta}}{\frac{1}{\sin^2 \theta}} + 2 \sin \theta \cos \theta$$

$$= \frac{\cos^3 \theta}{\sin^3 \theta} \cdot \frac{\cos^2 \theta}{1} + \frac{\sin^3 \theta}{\cos^3 \theta} \cdot \frac{\sin^2 \theta}{1} + 2 \sin \theta \cos \theta$$

$$= \frac{\cos^5 \theta}{\sin \theta} + \frac{\sin^5 \theta}{\cos \theta} + 2 \sin \theta \cos \theta$$

$$= \frac{(1 - \sin^2 \theta) \cos^4 \theta}{\sin \theta} + \frac{(1 - \cos^2 \theta) \sin^4 \theta}{\cos \theta} + 2 \sin \theta \cos \theta$$

$$= \frac{\cos^4 \theta}{\sin \theta} - \sin \theta \cos^3 \theta + \frac{\sin^4 \theta}{\cos \theta} - \sin \theta \cos^3 \theta + 2 \sin \theta \cos \theta$$

$$= \frac{\cos^4 \theta}{\sin \theta} + \frac{\sin^4 \theta}{\cos \theta} - 2 \sin \theta \cos^3 \theta + 2 \sin \theta \cos \theta$$

$$= \frac{1}{\sin \theta \cos \theta} = \operatorname{cosec} \theta \sec \theta$$

55. (2) Let the total work = 30 units

$$A's \text{ day work} = \frac{30}{19} = 2 \text{ units}$$

$$B's \text{ days work} = \frac{30}{10} = 3 \text{ units}$$

$$(A+B)'s \text{ 4 days work} = (2 + 3) \times 4 = 20 \text{ units}$$

$$\text{Remains work} = 30 - 20 = 10 \text{ units}$$

$$(A + C)'s \text{ 4 day work} = \frac{10}{3} \text{ units}$$

$$C's \text{ 1 day work} = \frac{10}{3} - 2 = \frac{4}{3}$$

$$\therefore C \text{ alone completes the 40\% work} = 30 \times \frac{40}{100} \times \frac{3}{4} = 9 \text{ days}$$

56. (3) Let total distance between two stations be  $d$  km.

Time taken by train to cover  $d$  km = 4 hours

$$\text{Time taken by car to cover } d \text{ km} = 3.5 = \frac{7}{2} \text{ hours}$$

$$\text{Speed of train} = \frac{d}{4} \text{ km/h}$$

$$\text{Speed of car} = \frac{2d}{7} \text{ km/h}$$

$$\text{Distance covered by train in half hour} = \frac{d}{4} \times \frac{1}{2} = \frac{d}{8} \text{ km}$$

$$\text{Remaining distance} = d - \frac{d}{8} = \frac{7d}{8} \text{ km}$$

Let time after which they will meet be  $h$  hours.

$$\frac{d}{4} \times h + \frac{2d}{7} \times h = \frac{7d}{8}$$

$$h = \frac{49}{30}$$

$h = 1$  hour 38 minute

Train will meet car at 8:30 + 1 hour 38 minutes = 10:08 am

57. (3) MP of A, B and C = 4820

$$\text{SP of A} = 4820 \times \frac{80}{100} \times \frac{80}{100} = 3084.80$$

$$\text{Discount} = 4820 - 3084.80 = 1735.20$$

$$\text{SP of B} = 4820 \times \frac{75}{100} \times \frac{85}{100} = 3072.25$$

$$\text{Discount} = 4820 - 3072.25 = 1747.75$$

$$\text{SP of C} = 4820 \times \frac{70}{100} \times \frac{90}{100} = 3036.60$$

$$\text{Discount} = 4820 - 3036.60 = 1783.40$$

58. (4)  $(16\sqrt{2}x^3 + 81\sqrt{3}y^3) \div (2\sqrt{2}x + 3\sqrt{3}y) = Ax^2 + By^2 + cxy$

$$\left[ (2\sqrt{2}x)^3 + (3\sqrt{3}y)^3 \right] \div (2\sqrt{2}x + 3\sqrt{3}y) = Ax^2 + By^2 + cxy$$

$$\left[ (2\sqrt{2}x + 3\sqrt{3}y) \right] \left[ (2\sqrt{2}x)^2 + (3\sqrt{3}y)^2 - 2\sqrt{2}x \times 3\sqrt{3}y \right] \div (2\sqrt{2}x + 3\sqrt{3}y) = Ax^2 + By^2 + cxy$$

$$[8x^2 + 27y^2 - 6\sqrt{6}xy] = Ax^2 + By^2 + Cxy$$

$$A = 8, B = 27, C = -6\sqrt{6}$$

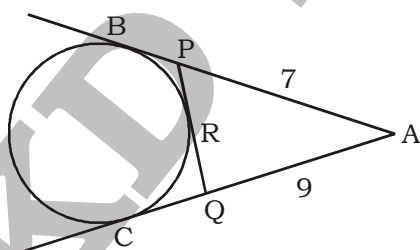
$$2A - 3B - 2\sqrt{6}C$$

$$= 2 \times 8 - 3 \times 27 - 2\sqrt{6} \times -6\sqrt{6}$$

$$= 16 - 81 + 72$$

$$= 88 - 81 = 7$$

59. (1)



Tangents drawn from same external point are equal in lengths.

$AB = AC$ ,  $BP = BR$  and  $CQ = RQ$

$$AB = AC = 11 \text{ cm}$$

$$BP = AB - AP = 11 - 7 = 4 \text{ cm}$$

$$CQ = AC - AQ = 11 - 9 = 2 \text{ cm}$$

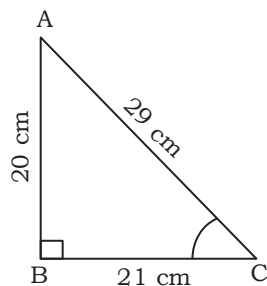
$$BP + CQ = 4 + 2 = 6 \text{ cm}$$

$$BP + CQ = PR + RQ = 6 \text{ cm}$$

$$PR + RQ = PR = 6 \text{ cm}$$

$\therefore$  Length of  $PQ = 6 \text{ cm}$

60. (4)



$$\cot C = \frac{21}{20}$$

$$\operatorname{cosec} C = \frac{29}{20}$$

$$\tan A = \frac{21}{20}$$

$$\begin{aligned} \therefore \cot C + \operatorname{cosec} C - 2 \tan A &= \frac{21}{20} + \frac{29}{20} - 2 \times \frac{21}{20} \\ &= \frac{21 + 29 - 42}{20} = \frac{8}{20} = \frac{2}{5} \end{aligned}$$

61. (2) Required % =  $\left( \frac{2000 - 1240}{2000} \times 100 \right) \% = 38\%$

62. (3) Required ratio =  $(360 + 325) : (160 + 300) = 685 : 460 = 137 : 92$

63. (4) Let the number of votes polled be 100.  
Arshad got = 35

$$\text{Chamanlal got} = \frac{14}{35} \times 100 = 40$$

$$\text{Jagjit got} = 100 - (35 + 40) = 25$$

ATQ,

$$(40 - 25) \rightarrow 4950$$

$$100 \rightarrow \frac{4950}{15} \times 100 = 33000$$

64. (3)  $4x^4 - 37x^2 + 9 = 0$

$$4x^4 - 36x^2 - x^2 + 9 = 0$$

$$4x^2(x^2 - 9) - 1(x^2 - 9) = 0$$

$$(4x^2 - 1)(x^2 - 9) = 0$$

$$x = \frac{1}{2} \quad \left( \because x > \sqrt{\frac{3}{2}} \right)$$

$$\therefore 8x^3 - \frac{27}{x^3} = 8 \times \left( \frac{1}{2} \right)^3 - \frac{27}{\left( \frac{1}{2} \right)^3}$$

$$= 1 - 216 = -215$$

65. (4) Number should be divisible by 88 then number should be divisible by 8 and 11 both.

Largest possible value of q to be divisible by 8 is = 9

$$\frac{928}{8} = 116$$

For q = 9, then

Number should be divisible by 11 =  $(7 + 5 + 6 + 9 + 8) - (p + 9 + 4 + 2) = 20 - p$

$(20 - p)$  should be divisible by 11 then for p = 9 this condition will satisfy.

So, possible value of p = 9

Then,  $p^2 - q = 81 - 9 = 72$

66. (1) Diameter = 8.4 m

Height = 1.75 m

Radius = 4.2 cm

$$l = \sqrt{(4.2)^2 + (1.75)^2} = 4.55 \text{ m}$$

∴ Required area =  $\pi r l$

$$= \frac{22}{7} \times 4.2 \times 4.55 = 60.06 \text{ m}^2$$

67. (1) 1 coins =  $\frac{72}{18} \times 10 = 40$

$$2 \text{ coins} = \frac{72}{18} \times 5 = 20$$

$$5 \text{ coins} = \frac{72}{18} \times 2 = 8$$

$$10 \text{ coins} = \frac{72}{18} \times 1 = 4$$

∴ Required money =  $40 \times 1 + 20 \times 2 + 8 \times 5 + 4 \times 10 = 160$

68. (3)  $a - \frac{12}{a} = 1$

Put a = 4,

$$a^2 + \frac{16}{a^2}$$

$$4^2 + \frac{16}{4^2} = 16 + 1 = 17$$

69. (4) SI of 2 years =  $16800 - 14880 = 1920$

$$\text{SI of 1 year} = \frac{1920}{2} = 960$$

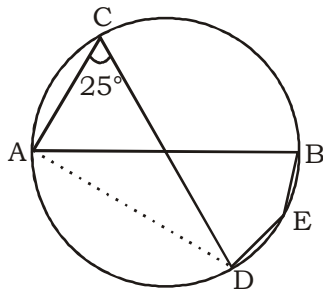
$$\text{SI of 3 years} = 960 \times 3 = 2880$$

$$P = 19880 - 2880 = 12000$$

$$\text{SI} = \frac{12000 \times 10 \times 4}{100} = 4800$$

$$\begin{aligned}
 70. \quad (1) \quad & 3\frac{5}{6} + \left[ 3\frac{2}{3} + \left\{ \frac{15}{4} \left( 5\frac{4}{5} \div 14\frac{1}{2} \right) \right\} \right] \\
 &= \frac{23}{6} + \left[ \frac{11}{3} + \left\{ \frac{15}{4} \left( \frac{29}{5} \times \frac{2}{29} \right) \right\} \right] \\
 &= \frac{23}{6} + \left[ \frac{11}{3} + \left\{ \frac{15}{4} \times \frac{2}{5} \right\} \right] \\
 &= \frac{23}{6} + \left[ \frac{11}{3} + \frac{3}{2} \right] \\
 &= \frac{23}{6} + \frac{31}{6} = \frac{54}{6} = 9
 \end{aligned}$$

71. (4)



Angles formed on same arc are equal.

$$\angle ACD = \angle ABD = 25^\circ$$

$\triangle ADB$  is a right angled triangle as  $\angle ADB = 90^\circ$  (Angle in semicircle)

In  $\triangle ADB$ ,

$$\angle ABD + \angle ADB + \angle BAD = 180^\circ \quad (\text{Angle sum property of triangle})$$

$$\angle BAD = 180^\circ - 25^\circ - 90^\circ = 65^\circ$$

Then,

$ABED$  is a cyclic quadrilateral.

$$\angle BAD + \angle BED = 180^\circ$$

$$\angle BED = 180^\circ - 65^\circ = 115^\circ$$

$$\therefore \angle BED = 115^\circ$$

$$72. \quad (3) \quad \text{Total CP} = 10000 + 5000 = 15000$$

$$\text{Total SP} = 15000 \times \frac{110}{100} = 165000$$

$$\text{Total profit} = 165000 - 15000 = 1500$$

$$\text{Profit of table} = 10000 \times \frac{8}{100} = 800$$

$$\text{Profit of centre table} = 1500 - 800 = 700$$

$$\therefore \text{Profit \% of centre table} = \left( \frac{700}{5000} \times 100 \right) \% = 14\%$$

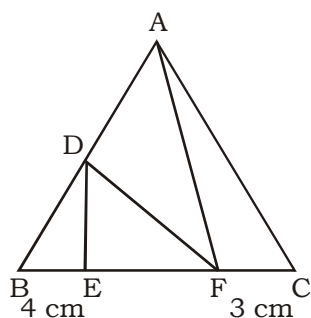
$$73. \quad (2) \quad \text{Total number of students in section E} = 300 \times \frac{14}{100} = 42$$

$$\text{Number of boys} = \frac{42}{7} \times 3 = 18$$

$$\text{Number of girls in C} = 300 \times \frac{19}{100} - 34 = 23$$

$$\therefore \text{Required ratio} = 18 : 23$$

74. (3)



$$BF^2 = BE \times BC$$

(Basic proportioner theorem)

$$(4 + x)^2 = 4 \times (7 + x)$$

$$16 + x^2 + 8x = 28 + 4x$$

$$x^2 + 4x - 12 = 0$$

$$x^2 + 6x - 2x - 12 = 0$$

$$(x - 2)(x + 6) = 0$$

$$x = 2 \quad (\because x \neq -6)$$

$$\therefore EF = 2 \text{ cm}$$

75. (2)  $\sin(3x - 15)^\circ = \frac{1}{2}$

$$(3x - 15)^\circ = \sin^{-1} \frac{1}{2}$$

$$\text{But, } 0^\circ < (3x - 15) < 90^\circ$$

$$\text{Then, } (3x - 15)^\circ = 30^\circ$$

$$x = 15^\circ$$

$$\text{Then,}$$

$$? = \cos^2(2x + 15)^\circ + \cot^2(x + 15)^\circ$$

$$? = \cos^2(45)^\circ + \cot^2(30)^\circ$$

$$? = \frac{1}{2} + 3$$

$$? = \frac{7}{2}$$

$$\cos^2(2x + 15)^\circ + \cot^2(x + 15)^\circ = \frac{7}{2}$$

## MEANINGS IN ALPHABETICAL ORDER

| <b>Words</b>  | <b>Meaning in English</b>                                                                                                       | <b>Meaning in Hindi</b> |
|---------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Amity         | a friendly relationship                                                                                                         | मेल-जोल                 |
| Chaos         | complete disorder and confusion                                                                                                 | अराजकता                 |
| Conflict      | a serious disagreement or argument,<br>typically a protracted one                                                               | टकराव                   |
| Dirt          | a substance, such as mud or dust, that soils<br>someone or something                                                            | गंदगी                   |
| Dormitory     | a large bedroom for a number of people<br>in a school or institution                                                            | छात्रावास               |
| Elated        | ecstatically happy                                                                                                              | उत्तेजित                |
| Excited       | very enthusiastic and eager                                                                                                     | जोश में                 |
| Fusion        | the process or result of joining two or more<br>things together to form a single entity                                         | विलय                    |
| Harmony       | the combination of simultaneously sounded<br>musical notes to produce chords and chord<br>progressions having a pleasing effect | सम्भाव                  |
| Impenetrable  | impossible to pass through or enter                                                                                             | अभेद्य                  |
| Perfectionist | a person who refuses to accept any standard<br>short of perfection                                                              | पूर्णतावादी             |
| Profuse       | (especially of something offered or discharged)<br>exuberantly plentiful; abundant                                              | विपुल                   |
| Recluse       | a person who lives a solitary life and tends<br>to avoid other people                                                           | बैरागी                  |
| Rejuvenate    | give new energy or vigor to; revitalize                                                                                         | फिर से युवा करना        |
| Tension       | the state of being stretched tight                                                                                              | तनाव                    |
| Thrilled      | cause (someone) to have a sudden feeling of<br>excitement and pleasure                                                          | रोमांचित                |
| Virtuous      | having or showing high moral standards                                                                                          | धार्मिक                 |

## 16 AUGUST (12 PM) (ANSWER KEY)

|         |         |         |          |
|---------|---------|---------|----------|
| 1. (1)  | 26. (4) | 51. (2) | 76. (2)  |
| 2. (1)  | 27. (3) | 52. (1) | 77. (4)  |
| 3. (3)  | 28. (1) | 53. (2) | 78. (1)  |
| 4. (2)  | 29. (4) | 54. (2) | 79. (2)  |
| 5. (4)  | 30. (4) | 55. (2) | 80. (2)  |
| 6. (2)  | 31. (1) | 56. (3) | 81. (2)  |
| 7. (4)  | 32. (3) | 57. (3) | 82. (2)  |
| 8. (4)  | 33. (4) | 58. (4) | 83. (2)  |
| 9. (1)  | 34. (1) | 59. (1) | 84. (2)  |
| 10. (1) | 35. (3) | 60. (4) | 85. (3)  |
| 11. (3) | 36. (3) | 61. (2) | 86. (4)  |
| 12. (4) | 37. (2) | 62. (3) | 87. (3)  |
| 13. (3) | 38. (4) | 63. (4) | 88. (2)  |
| 14. (4) | 39. (1) | 64. (4) | 89. (2)  |
| 15. (2) | 40. (3) | 65. (4) | 90. (2)  |
| 16. (1) | 41. (1) | 66. (1) | 91. (4)  |
| 17. (1) | 42. (2) | 67. (1) | 92. (2)  |
| 18. (1) | 43. (1) | 68. (3) | 93. (3)  |
| 19. (1) | 44. (3) | 69. (4) | 94. (1)  |
| 20. (2) | 45. (3) | 70. (1) | 95. (4)  |
| 21. (2) | 46. (1) | 71. (4) | 96. (2)  |
| 22. (2) | 47. (2) | 72. (3) | 97. (2)  |
| 23. (3) | 48. (3) | 73. (2) | 98. (2)  |
| 24. (3) | 49. (4) | 74. (3) | 99. (4)  |
| 25. (1) | 50. (4) | 75. (2) | 100. (1) |

77. (4) 'One of the + superlative degree' is the correct phrase.
78. (1) The correct spelling of Luxuriaus is Luxurious.
80. (2) The correct spelling of Pessymist is Pessimist.
86. (4) 'Would' takes 'V1' form of the verb with it.
87. (3) No substitution
89. (2) An infinitive always has 'V1' form of the verb with it.