

Jyoti Inspired Exam. (Solution key of class-5<sup>th</sup>)  
Sub. - Maths

Q1 Five multiples of 6 = 6, 12, 18, 24 and 30.

The sum of five multiples of 6 =  $6 + 12 + 18 + 24 + 30 = 90$  Ans

Q2 Since, Factor of 1 = 1

Then, 1 is the only number having only one factor.

Q3 Let, The two consecutive numbers are be  $x$  and  $y$ .

Factors of  $x = (1, x)$

Factors of  $y = (1, y)$

H.C.F. ( $x, y$ ) = 1. Ans

Q4 Prime numbers are from 1 to 100  $\rightarrow$  2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97.

So, There are 25 prime numbers from 1 to 100.

Q5 Method - I, Multiples of 10 = 10, 20, 30, 40, 50, 60, 70, 80, 90, 100.

Multiples of 15 = 15, 30, 45, 60, 75, 90, 105.

Multiples of 18 = 18, 36, 54, 72, 90, 108.

Least Common multiple = 90 Ans

Method - II

L.C.M of 10, 15 and 18  $\rightarrow$

$2 \times 3 \times 3 \times 5 = 90$  Ans

2	10, 15, 18
3	5, 15, 9
3	5, 5, 3
5	5, 5, 1
	1, 1, 1

Q6 Largest 2-digit prime number is 97.

Q7  $5297 - 3498 = 1799$  Ans

Q8 Let, the added number is be  $x$ .

According to question,  $3965 + x = 6935$

$$\Rightarrow x = 6935 - 3965$$

$$x = 2970$$
 Ans

Q9  
 No. of votes were polled = 27,895  
 No. of votes were invalid = -6,521  
 No. of votes were valid = 21,374 Ans

Q10 A shopkeeper buys articles from a wholesaler at cost price.

Q11 Equivalent fraction of  $\frac{1}{2} = \frac{3}{6}$  Ans

Q12 Missing numbers in equivalent fraction  $\rightarrow$

$$\frac{6}{5} = \frac{\boxed{30}}{25} = \frac{60}{\boxed{50}}$$

Q13 Greatest 5-digit number = 99999  
 Successor of 99999 = 99999 + 1 = 100000 Ans

Q14 48 in roman number = XLVIII

Q15  $5 \times 0 \times 5 = 0$  Ans

Q16  $612 \div 3 = 204$  Ans

Q17 1 Century = 100 years

Q18 6 minutes 10 seconds =  
 6 minutes + 10 seconds  
 = 6  $\times$  60 seconds + 10 seconds  
 = 360 seconds + 10 seconds  
 = 370 seconds Ans

Q19

Years	Months
6	8
+ 9	7
15	<del>15</del>
+ 1	03
16 years	03 months

Q20  $\frac{67}{44}$  is not equivalent fraction of  $\frac{8}{11}$ .

Subject - English

Class - 5th

Answer Key

41. (B) an (due to vowel sound)

42. (C) the (before the name of religious book 'Ramayan')

43. (A) the (due to 'ordinal number')

44. (C) The (before the names of things which are unique and only one in the world)

45. (C) print (due to sound of 'इ' while others have 'आ')

46. (C) thin (due to sound of 'ए' while others have 'इ')

47. (C) loud (due to sound of 'आ' while others have 'ओ')

48. (A) To (due to sound of 'ऊ' while others have 'ओ')

49. (B) in (At a point within an area which is surrounded)

50. (B) at (To express temperature)

51. (B) from (due to 'suffer' verb)

52. (A) with (in the sense of use of tools, ammunition, armoury etc.)

53. (B) can

54. (B) can not

55. (A) can't

56. (A) can

57. (B) ei (height)

58. (C) ui (quickly)

59. (D) io (patriot)

60. (D) ea (breath)

CLASS-5

61. C → 2, 4, 8, 16, (32)  
 $\times 2 \quad \times 2 \quad \times 2 \quad \times 2$

62. D → 5, 10, 16, 23, (31)  
 $+5 \quad +6 \quad +7 \quad +8$

63. B - 4, 8, 9, 18, 19, (38)  
 $\times 2 \quad +1 \quad \times 2 \quad +1 \quad \times 2$

64. A - 1, 4, 9, 16, 25, (36)  
 $1^2 \quad 2^2 \quad 3^2 \quad 4^2 \quad 5^2 \quad 6^2$

65. B - 10, 18, 25, 31, 36, (40)  
 $+8 \quad +7 \quad +6 \quad +5 \quad +4$

66. C - A, C, E, G, (I)  
 $1 \quad 3 \quad 5 \quad 7 \quad 9$

67. A - AZ, BY, CX, (DW)  
 $1 \ 26 \quad 2 \ 25 \quad 3 \ 24 \quad 4 \ 23$

68. C - ACE, BDF, CEG, (DFH)  
 $+1 \quad +1 \quad +1 \quad +1 \quad +1 \quad +1$

69. C - Z, U, Q, N, (L)  
 $26 \quad 21 \quad 17 \quad 14 \quad 11$   
 $+5 \quad -4 \quad -3 \quad -2$

70. B  
 A B C E H M  
 $1 \quad 2 \quad 3 \quad 5 \quad 8 \quad 13$   
 $+ \quad + \quad + \quad + \quad +$

71. C

72. A

73. D

74. D

75. D

76. B  $40 \times \frac{1}{10} \times \frac{1}{2} = 2$

77. D

78. D

79. C

80. C

शेष सभी vowel हैं,  
 शेष सभी opposite pair हैं।