SPARKS 2018
preliminary key - 9th Class

1. C
2. C
3. C
4. A
5. B
6. B
7. B
8. B
9. C
10. C
11. A
12. ..
13. B
14. A
15. C
16. C
17. C
18. C
19. D
20. ..
21. B
22. ..
23. A
24. C
25. B, A
26. B (Do they give speech on environment?)
27. C
28. A
29. C
30. B
31. B
32. A
33. D
34. A
35. D
36. C
37. B
38. B
39. A
40. B
41. C
42. D
43. A
44. C
45. B

46. D
47. A
48. D
49. A
50. B
51. A
52. B
53. C
54. B
55. B
56. A
57. B
58. C
59. D
60. B
61. C
62. C
63. C
64. D
65. C
66. C
67. B
68. B
69. B
70. D
71. గౌరవం
72. రాత్రి
73. ----
74. విమన + ఆస్రయం --- సవర్ణదీర్ఘ సంధి
75. ----

76. జగములు + ఏలు -- సవర్ణదీర్ఘ సంధి

77. పుత్రిక , కూతురు

78. మంచివాడు , ఉత్తముడు

79. ---

80. మూడగు దోషాలు -- ద్విగుసమాసం

81. B
82. C
83. B
84. A
85. B
86. B
87. C
88. A
89. A

90. D

Reasoning
91. B (depends on explaination)

92. L.C.M. of 12, 18, 21 30

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2 | 12  -  18  -  21  -  30
  ----------------------------
  3 |  6  -   9  -  21  -  15
  ----------------------------
    |  2  -   3  -   7  -   5
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= 2 x 3 x 2 x 3 x 7 x 5 = 1260.

Required number = (1260 ÷ 2)

= 630.

Ans: B

93. In the word 'CORPORATION', we treat the vowels OOAIO as one letter.

Thus, we have CRPRTN (OOAIO).

This has 7 (6 + 1) letters of which R occurs 2 times and the rest are different.

Number of ways arranging these letters = $\dfrac{7!}{2!}$ = 2520.

Now, 5 vowels in which O occurs 3 times and the rest are different, can be arranged

in $\dfrac{5!}{3!}$ = 20 ways.

∴ Required number of ways = (2520 x 20) = 50400.

94. Let the ten's digit be x and unit's digit be y.
Then, number = $10x + y$.
Number obtained by interchanging the digits = $10y + x$.
∴ $(10x + y) + (10y + x) = 11(x + y)$, which is divisible by 11.
Ans D

95. C
sodium + water → sodium hydroxide + hydrogen

$2Na(s) + 2H_2O(l) \rightarrow 2NaOH(aq) + H_2(g)$

96 C
Area of the trapezium

= $\frac{1}{2}$ × (sum of parallel sides) × (distance between them)

97 B (depend on explanation)

98 B (depend on explanation)

99. C
25+21=46

100 D
12 is an even number.