Keys: Grade 5, NSO Level 1 Demo Test

Grade : 5
Time : 1 Hr
Answer Sheet

1. D - D

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2. B - B

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3. B - JUICER

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4. D - D

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5. A - Park

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6. C - 4,1,5,6,3,2

Market is the meaningful word that can be fomed.

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7. A - K

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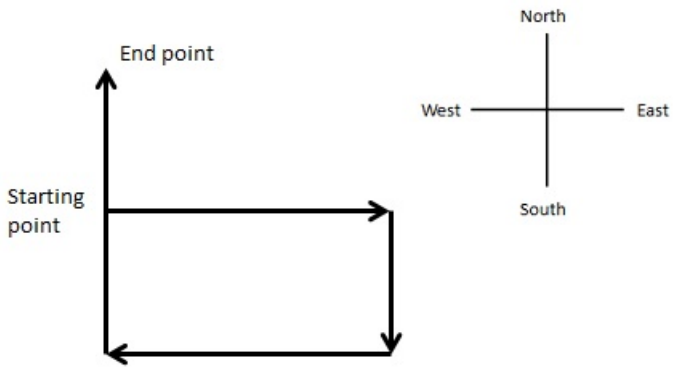
8. C - 18

Rule is:
(7-2) X (3 + 2) = 25
(5-2) X (6 + 2) = 24
(4-2) X (7 + 2) = **18**

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9. B - South

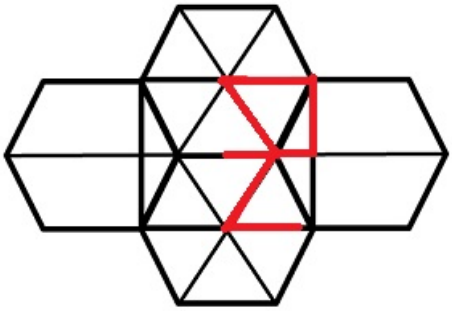
Final position is in North with respect to starting point or we can also say that starting point is in South with respect to final position.



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10. C - C

Refer solution figure.



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11. D - D

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12. D - 2

If she buys orange and apple, everyone will get atleast one of their favourite fruits.

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13. B - 86789LN

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14. A - Monday

As neither this year nor next year is a leap year, his birthday will come after 365 days or we can say that his birthday will come after 52 weeks and 1 day. As same day is repeated after every week, Sunday will be repeated after 52 weeks. His birthday will fall on 1 day after 52 weeks so his birthday will be on Monday.

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15. A - A

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16. D - None of these

Plants make their food using sunlight, water, carbon dioxide and nutrients and minerals from the soil. This process is called photosynthesis. Chlorophyll, a green color pigment, present in leaves helps plant in absorbing energy of light. Plants leaves have small pores called as stomata. Each stoma is guarded by 2 sausage-shaped cells called as guard cells. Guard cells help in opening and closing of stoma. Plant exchange gases through stomata. Stomata are found on the underside of leaves. The process of photosynthesis occurs in leaves. Thus leaves are called kitchen of plants or food factory of plants.

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17. D - All are true.

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18. D - Both are incorrect

The liver is the largest gland in the human body. Pepsin is secreted by the stomach.

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19. D - All of these

Global warming is a phenomenon which is causing natural imbalance due to increase in greenhouse gases. This is causing the temperature of the earth to rise. Glaciers are melting and sea level is rising. Global warming is resulting in climate changes and unpredictable climate conditions like droughts and floods.

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20. C - C

Rose can reproduce sexually (means through seeds) or asexually with the methods of cutting or grafting.

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21. C - A, C and D

Q cannot be transparent as its image is being formed on the screen.

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22. C - R

Solubility increases with increase in temperature.

Saturated solution is the one in which no more solute can be dissolved at a given temperatue.

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23. A - A-4, B-3, C-1, D-2

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24. D - D

Neptune is farthest planet from and thus takes longest time to orbit around Sun. It is the slowest planet to orbit around Sun.

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25. C - A, C and D

Force of buoyancy can act in liquid or gas and can make objects fly, float or feel lighter.

Magnetic needle works because of magnetism of Earth.

In case of pull and push, force applied and movement are in same direction.

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26. D - exosphere

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27. A - A-2, B-1, C-3, D-4

A. 	**1.** Electrical to light energy
B. 	**2.** Light to chemical energy
C. 	**3.** Electrical to mechanical energy
D. 	**4.** Muscular to mechanical energy

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28. C - Both of them

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29. B - Newt

Newt is an amphibian.

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30. A - A-3, B-4, C-1, D-2

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31. A - Mars

Jupiter, Saturn, Uranus and Neptune are called jovian planets. They are also called gas giants.

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32. B - dormant volcano

An active volcano is the one which has any eruption in last 10,000 years.
A dormant volcano is the one which has not shown any eruptions in many years. An active volcano can be dormant.
An erupting volcano is the one which has erupted in recent past.
An extinct volcano is the one which has not shown any eruptipons since prehistoric times (before 10,000 years) and shows no chances of eruptions again.

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33. C - A, B and D

Snakes like other reptiles breathe through lungs.

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34. D - All of these

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35. D - All are renewable sources of energy

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36. B - A-broccoli, B-Beetroot, C-Spinach, D-Potato

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37. D - All of these

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38. B - A-3, B-1, C-2, D-4

Silk is lustrous, light, is warm in winters and cool in summers.

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39. C - Aquatic plants

Aquatic plants have stomata on both sides of leaves to allow loss of water. Stomata are always open to allow continuous loss.
Cuticle or waxy layer is absent or very thin as it prevents loss of water.

The stem is not very strong as aquatic plants are supported by water.

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40. C - A, B and C

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41. B - B

Boiling of egg is chemical change and is irreversible.

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42. C - A, B and D

Balanced diet helps in overall nutrition and health but does not improve digestive system directly.

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43. D - A-3, B-1, C-2, D-4

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44. A - A-2, B-4, C-1, D-3

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45. B - Fully blown balloon will be heavier

A fully blown balloon will have the weight of balloon and air particles.

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46. B - B

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47. D - Both are correct and B explains A

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48. C - R

Cocklebur fruit has hooks like a structures which help it to get attached to fur of animals and get dispersed to far off places.

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49. A - C->B->D->A

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50. D - A and D

Metals are generally good conductor of heat and lustrous. Graphite and Diamond are 2 non metals which lustrous and good conductor of heat. Graphite is soft and diamond is hard.

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