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Revision 1

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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

EU FP6 Project U*NIGHT “University by night”

The activities of WP2 were targeted at kids and their parents. The objective was to raise children’s recognition of researchers and their achievements using art and fun as facilitators. At the same time, the activities allowed children to express their vision and image of researchers and their work using more appropriate tools for their age such as the art language of drawings and paintings. At all project locations, the children, teachers and parents were given opportunities to meet researchers in a festive environment, and to learn more about famous researchers from the scientific quiz.

1. CHILDREN QUIZZES IN SOFIA

The staff of Sofia university prepared a quiz with 50 scientific questions, including on prominent European researchers, and send it to all U*NIGHT partners in order to use it for their amusement programs.

The quiz used during the Children party included the following questions:

1. How many colors compose the rainbow? (7)
2. What is the fastest animal on the earth? (gueparde)
3. How many planets are there in the solar system? (8) - Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune; Pluto - is not.
4. Who wrote the “Fish primary book” in Bulgaria? (Petar Beron)
5. How looks like the earth shape? (sphere)
6. For how many days the earth makes a full tour around the sun? (365 days and 6 hours)
7. What is the deepest point on the earth surface? (Marian Trough)
8. What type of substance is the glass (liquid or hard)? (Liquid)
9. Who has constructed the first radio transmitter and receiver? (Marconi)
10. Who is the first woman – professor in the Sorbonne and later the first scientist laureate of 2 Nobel Prizes? (Maria Currie)
11. What is the reason for ebb and flow? (Moon gravitation)
12. Who has constructed the first model of flying mechanism? (Leonardo Da Vinci)
13. How fast reaches the sun light to the earth? (8 min, 20’)
14. Where was invented and used the gunpowder first? For what purposes? (China; to make fireworks)
15. What is the sun surface temperature (5500 C°) a) 5500 C° b) 646 C° c) 7800 C°
16. What is the third brightest star on the sky after Sun and Moon? (Venus)

TECHNICAL UNIVERSITY – SOFIA used a more complicated quiz suitable for its youth audience.

1. How many planets are there in the solar system?
a) 9 b) **8** c) 7
Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune
Pluto - is not.
2. Who has constructed the first radio transmitter and receiver?
a) **Marconi** b) Amper c) Volta
3. Who has constructed the first model of flying mechanism?
a) the Wright brothers b) Ciolkovski c) **Leonardo Da Vinci**
4. Who is the author of “The Da Vinci code”?
a) **Dan Brown** b) Lee Child c) Paulo Quelo

5. Who has invented the mercury thermometer?
a) **Fahrenheit** b) Celsius c) Morse
6. Who is the inventor of the steam engine?
a) **James Watt (the unit of electrical power is called after him)** b) Nukomen c) Polzunoff
7. What does the french inventor Lumiere famous for?
a) the first digital photo camera b) **the first movie** c) the first TV
8. Who has invented that the electrical current deviate the magnet pointer?
a) **Hance Oersted** b) Luigi Galvani c) Michael Faradey
9. Which figure is known like a cub?
a) **hexaeder** b) dodecaeder c) tetraeder
(from hex – six and hedra - wall)
10. What does the word INTERNET mean?
a) information and communication technology
b) **world wide network communication**
c) information customer service
11. Where the first bulgarian TV has been constructed?
a) in Bulgarian science academy
b) in Sofia University
c) **in Technical University**
12. The word robot has mentioned for the first time in 1921 on the play “RUR” (Rosum universal robots). Who is author of the play?
a) Carl Mey b) Jules Verne c) **Carel Capek**
13. Whose bulgarian has scored one of the most beautiful goals on Wembley stadium in 1968?
a) Dimitar Penev b) **Georgy Asparuhoff** c) Ivan Vutzov
14. Whose literature hero has a horse called “Rossinant”?
a) Baron Munchausen b) Nassredin Hodza c) **Don Quixote**
15. Which novel is the phrase “Turkia ke padne” from?
a) Chichovci b) **Under the yoke** c) Mum’s kid
16. The philosopher Seneca has said – “The gold is proved by fair, the woman - by gold, but the man - by” What is the man proved by?
a) by war b) **by woman** c) by power
17. There are 16000 bees in a hive. How many drones are there in a hive?
a) 3 b) **300** c) 3000
18. Who has played the role of terminator in the movie “Terminator” and is famous with the phrase “I’ll be back”?
a) **Schwarzenegger** b) Steven Seagal c) Bruce Willis
19. XXX was having a bath and eating apples. Suddenly he figured out: “Every body sunk in the water...” “Eurica!” – he screamed, threw the apple out and went outside, forgetting to switch the taps off. Who is XXX?
20. Downstairs was the flat of Heraclides. Soon the water began to leak out from the ceiling, and said “Uuuu” and wrote the genius idea on the last dry sheet of paper. What did he write?

a) Everything is water b) **everything is flowing** c) nothing is eternal

21. The apple fell down on the XXX head and he figured out the gravity law. Who is XXX?

2. CHILDREN QUIZ IN UNIVERSITY OF ROUSSE

The list of the questions include:

1. How many colors compose the rainbow? - 7
2. What is the fastest animal on the earth? – gueparde
3. Who wrote the “Fish primary book” in Bulgaria? – Petar Beron
4. Which is the highest point of the Earth? – peak Everest
5. How many poles has the magnet? – two – north and south
6. Where was invented and used the gunpowder first? – in China
For what purposes? – to make fireworks
7. Why is well-known John Atanasoff? – developed the first computer
8. A man flight for first time in the air in 1783 with the help of what? – a balloon with hot air
Do you know who invented it? – the brother Mongolphe (Joseph an Jaque)
9. Which is the most solid material in the nature? – the diamante
10. Which is the most laud animal in the world? – the blue whale which sounds could be captured at a distance of 850 km

3. CHILDREN QUIZ IN TRAKIA UNIVERSITY - STARA ZAGORA

The list of questions of the quiz is as follows:

1. How many colors compose the rainbow? - 7
2. What is the fastest animal on the earth? – gueparde
3. Who wrote the “Fish primary book” in Bulgaria? – Petar Beron
4. Which is the highest point of the Earth? – peak Everest
5. How many poles has the magnet? – two – north and south
6. Where was invented and used the gunpowder first? – in China
For what purposes? – to make fireworks
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4. CHILDREN QUIZ IN TECHNICAL UNIVERSITY - VARNA

About 30 questions from the field of natural sciences and some mathematical problems have been selected in collaboration with the Union of Physics in Varna. The quiz has the following content:

1. Erin scored 3 her team’s 15 goals during a netball match. What percentage of her team’s goals did Erin score?

2. In Alice Springs one day the temperature was -2 degrees Celsius at 6 am. At 2 pm the temperature was 10 degrees Celsius. By how many degrees Celsius had the temperature changed?
3. Brett is 12 years old. Daina is half of Brett's age. Omar is 13 years older than Daina. How old is Omar?
4. Two whole numbers multiplied give a total of 60. The difference between the numbers could be
5. Gina has three children and one of them is a teenager. When she multiplies her children's ages together the result is 770. How old is the teenager?
6. When a maths class is split into groups of four, there are two students left. When split into groups of 5, there is one left. There are 15 girls in the class and a smaller number of boys. How many boys are there in the class?
7. A car travels at 80 kilometers per hour. How far does it travel in 75 minutes?
8. A train starts from Aitos to Sofia at 12.00 o'clock. Another train starts from Sofia to Aitos at 13.00 o'clock. At the point of their meeting, which one of the trains has been nearer to Sofia?
9. Grenville thinks of 7 consecutive numbers. The sum of the smallest three is 33. What is the sum of the largest three?
10. A section of a book contains six pages. The sum of all the page numbers in this section is 507. What is the first page number in this section?
11. Jacqui gets a 600 piece jigsaw for her birthday. The picture on the box looks approximately square and the pieces are approximately squares of equal size. She decides to start by looking for all the edge pieces. How many of these edge pieces should she expect to find?
12. Five friends share 20 sweets equally between them. How many do each of them get?
13. Tom fills a 10 L bucket using a 2 L jug. How many jugfuls will he need?
14. There are 10 telegraph poles in a straight road, 100 m apart. The distance from the first to the last is
15. You roll 2 six sided dice and add the two numbers together.
16. How do we call the flow of electric charge in a definite direction?
17. What is plasma and how it can be produced?
18. How does a compass needle will always be oriented?
19. What is the difference between the solar and the moon eclipse?
20. How old is the Earth?
21. How many planets has the solar system?
22. What is the smallest country in the world?
23. Who is the father of the computer?
24. You have a list of paper with 4 tips. If you cut one of them, how many tips will remain?
25. Which is the colder pole of the Earth?
26. Which is the 3rd planet of the solar system?
27. Which is the highest mountain in Bulgaria?
28. What does Ecology study?
29. What does Anthropology study?
30. What does Archeology study?
31. What are the reasons for rising tides and outgoing tides of ocean surface?