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## Test 4. Combinatorial methods

THIS CONTENT IS GRADED AS 'TEST'

WEIGHT: 1.0

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### Test

1.0 point possible (graded, results hidden)

The role of chance in the creative process

☐ The principle of scientific discoveries accepted by scientific society☒ Motivation for idea generation☒ One of the key elements of creative thinking

What are thinking activation exercises used for?

☒ Prepare thinking for work☐ Rest and relax☒ They can be used for ideas generation

Associations are the key element in the following exercises and techniques

☒ Wording of the problem statement

☐ Da Vinci technique

☒ Professions

☐ What if...?

Should the ideas be evaluated during the ideas generation process?

☒ No, evaluation of ideas during the process slows it down.

☐ Yes, it becomes obvious if the idea meets the criteria.

☐ It doesn't matter - people can do two things simultaneously.

Which of the below is suitable for lateral thinking training? ?

☒ Travelling in different places

☐ Eating the same meal for breakfast.

☐ Wearing clothes in one colour.

☒ Rearranging furniture at home

Stages of which two techniques are listed below? 1. List all parameters for the task. 2. Choose a random word, write associations with it. 3. Find connections between the task and associations, work on ideas.

☐ Formulating the problem statement technique

☒ Da Vinci technique

☒ Random word technique

Why are creative techniques necessary?

☒ They can help come up with original ideas.

☐ People can't have original ideas without any help.

☒ The save time, you shouldn't wait for inspiration to come.

What can you use P-M-I technique for besides ideas evaluation??

☐ This technique is suitable only for ideas evaluation.

☐ To control the discussion flow.

☐ To give feedback and draw conclusion

☐ To generate a model or prototype of your idea

☒ To generate ideas - "Interesting" criterion can boost imagination

Ideas generation rules - chooseon INCORRECT option.

- ☐ Don not give any feedback - negative comments can ruin the mood and negatively affect the creative process
- ☐ Do not look back on the past, do not say: "I tried it two years ago and it didn't work out". Look into the future.
- ☒ Do not generate ideas at night: our brain works in the way that from 10pm to 8am the activity of the brain centres responsible for creativity is reduced
- ☐ Do not edit your ideas immediatly: let your mind flow, show some flexibility. The editing is done by the left brain which doesn't take part in the creative process
- ☐ Do not lose motivation. It is easy to become less interested in something you have been doing for a long time.

What is the most effective question wording in "Formulating the problem statement" technique?

- ☒ By what means can I...
- ☐ How can I improve...
- ☐ How...

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