Machine operation and maintenance

: r1 ok

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1. What does the 3 P principle mean?
 : r1 prevention, proactivity, productivity
 : r2 process approach, productivity, proactivity
 : r3 promotion, process approach, proactivity
 : r4 prevention, process approach, productivity
: r1 ok
2. How do we calculate the "performance rate"?
 : r1 (number of pieces x cycle): time of possible equipment operation - downtime
 : r2 Equipment operating time: equipment operating time
 : r3 usage rate x performance rate x quality measure
 : r4 number of units produced: time of operation of the device
: r1 ok
3. Define "risk"
 : r1 acceptable form of the activity
 : r2 Possibility of hazard activation
 : r3 object property cause negative effect
 : r4 the probability with which an event can occur
: r1 ok
4. What does FTA mean?
 : r1 tree fault analysis
 : r2 event tree analysis
 : r3 analysis of the mode and effect of failures
 : r4 analysis of failure, sequence and criticality
: r1 ok
5. Define the risk of maintenance
 : r1 the product of the probability of failure and consequence
 : r2 failure probability value
 : r3 inventory of possible fault types and causes
 : r4 the probability with which an event can occur
: r1 ok
6. What does a compact maintenance audit not include?
 : r1 Consequences of failure
 : r2 maintenance benchmarking
 : r3 maintenance outsourcing
 : r4 operational reliability quantification
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7. What is not the objective of benchmarking? : r1 risk analysis : r2 cost savings : r3 accelerate the change process : r4 increase customer satisfaction : r1 ok 8. Explain the term "outsourcing" : r1 the use of external resources to ensure performance that is not one of the company's key capabilities : r2 process of comparing and measuring products, processes and methods : r3 collecting data on process performance and customer needs : r4 Defining goals to improve your own activities : r1 ok 9. What does bath curve express? : r1 divides the product life cycle into zones : r2 shows the difference between the required and actual achieved reliability : r3 shows the wear rate of the product : r4 shows the progress of product realization : r1 ok 10. II. zone of the life cycle zone of the object represents : r1 period of normal operation : r2 period of frequent disturbances : r3 aging period r4 period of growth of failure intensity due to aging of material : r1 ok 11. The shutdown and decommissioning of the facility takes place during : r1 III. period : r2 I. period : r3 II. period : r4 IV. period : r1 ok 12. The reliability data bank is important for : r1 reliability management : r2 benchmarking : r3 feedback : r4 device rating

: r1 ok

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13. Methods of reliability analysis do not include

: r1 benchmarking

: r2 trend

: r3 histogram

: r4 Pareto diagram

: r1 ok

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- 14. What is Ishikawa diagram?
 - : r1 cause and effect diagram
 - : r2 shows the importance of each category
 - : r3 shows the evolution of changes in reliability indicators over time
 - : r4 the only method of reliability management

: r1 ok

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- 15. The graphical representation of data distribution using a bar graph with columns of the same width is called:
 - : r1 histogram
 - : r2 Ishikawa diagram
 - : r3 trend
 - : r4 Pareto diagram
- : r1 ok

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- 16. What does a serial reliability model look like?
- : r1 failure of any element results in failure of the whole system
- : r2 A system failure occurs when all of its elements fail
- : r3 A system that requires only one operable element to operate
- : r4 none of the options

: r1 ok

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- 17. Define the rated performance class for continuous load
- : r1 the machine can operate for unlimited time in accordance with the requirements
- : r2 the machine can operate for a limited period of time starting from ambient temperature
- : r3 the machine can operate in duty cycles as required
- : r4 the machine can operate at the appropriate load and speed for an indefinite period of time

: r1 ok

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- 18. The performance at which the machine can operate at a constant load until it reaches a steady temperature, achieving the same warming of the stator winding as the average warming value during the duty cycle is called:
- : r1 Rated performance for equivalent load
- : r2 nominal power for periodic load
- : r3 Rated performance for continuous load

: r4 nominal performance for short - term operation
: r1 ok
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19. The amount of workpieces machined by a given device per unit of time is referred to as
: r1 technological performance
: r2 actual power
: r3 cycle power
: r4 working power
: r1 ok
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20. Tribology deals with
: r1 processes of friction, wear and lubrication
: r2 Description and calculation of work output
: r3 correct maintenance policy

: r4 by determining the cyclic loss

: r1 ok