

Industrial Engineering and Management

MOCK TEST

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3. The most popular type of organization used for Civil Engineering Constructions is

Mark only one oval.

- A) Line organization
- (B) Line and staff organization
- (C) Functional organization
- (D) Effective organization

4. Product layout is used for

Mark only one oval.

- Job production
- Batch production
- Mass production
- Any one of these

5. Routing is essential in the following type of industry

Mark only one oval.

- (A) Assembly industry
- (B) Process industry
- (C) Job order industry
- (D) Mass production industry

6. Work study is concerned with

Mark only one oval.

- improving present method and finding standard time
- improving production capability
- improving production planning and control
- motivation of workers

7. Basic tool in work study is

Mark only one oval.

- planning chart
- stop watch
- graph paper
- process chart

8. What does symbol 'D' imply in work study

Mark only one oval.

- inspection
- transport
- delay temporary storage
- permanent storage

9. Work study is most useful

Mark only one oval.

- where production activities are involved
- in judging the rating of machines
- in improving industrial relations
- in judging the output of a man and improving it

10. In micro motion study, therblig is described by

Mark only one oval.

- a symbol
- an activity
- standard symbol and colour.
- micro motions

11. Job evaluation is the method-of determining the

Mark only one oval.

- relative worth of jobs
- contribution of a worker
- contribution of a job
- effectiveness of various alternatives.

12. TMU in method time measurement stands for

Mark only one oval.

- time motion unit
- time measurement unit
- time movement unit
- technique measurement unit

13. PMTP (predetermined motion time systems) include

Mark only one oval.

- (A) MTM (method time measurement)
- (B) WFS (work factor systems)
- (C) BNTS (basic motion time study)
- (D) All of the above

14. 12. Standard time is defined as

Mark only one oval.

- A) Normal time + allowances
- (B) Normal time + idle time + allowances
- (C) Normal time + idle time
- (D) Only normal time for an operation

15. Product layout is employed for

Mark only one oval.

- batch production
- continuous production
- effective utilization of machine
- Job Production

16. The type of layout used for manufacturing steam turbines, is

Mark only one oval.

- (A) Product layout
- (B) Process layout
- (C) Fixed position layout
- (D) Any one of these

17. Which one of the following represents a group incentive plan ?

Mark only one oval.

- Scanlon Plan
- Rowan Plan
- Bedaux Plan
- Taylor Differential Piece Rate System

18. In the Halsey 50-50 plan, the following are rewarded more

Mark only one oval.

- paid as per efficiency
- ensured of minimum wages
- not paid any bonus till his efficiency 2 reaches 66 – %
- never a loser

19. 'Value' for value engineering and analysis purposes is defined as

Mark only one oval.

- saleable value
- depreciated value
- present worth
- function/cost.

20. Which of the following incentive plans ensures a part of the swing to the worker and rest to the employer

Mark only one oval.

- Taylor plan
- Halsey premium plan
- Piece rate system
- Gilberth plan.

21. Which of the following is not wage incentive plan

Mark only one oval.

- Rowan plan
- Emerson plan
- Taylor plan
- Halsey plan.

22. Which of the following layouts is suited to job production?

Mark only one oval.

- A) Process layout
- (B) Product layout
- (C) Fixed position layout
- (D) Plant layout

23. Value' for value engineering and analysis purposes is defined as

Mark only one oval.

- (A) Purchase value
- (B) Saleable value
- (C) Depreciated value
- (D) Function/cost

24. The product layout

Mark only one oval.

- (A) increases overall manufacturing time
- (B) Requires more space for placing machines
- (C) Utilizes more machine and labour better
- (D) Suitable for mas production

25. Which one of the following chart gives simultaneously information about the progress of work and machine loading?

Mark only one oval.

- (A) Process chart
- (B) Machine load chart
- (C) Man-machine chart
- (D) Gantt chart

26. The production scheduling is simpler and high volume of output and high labour efficiency are achieved in the case of

Mark only one oval.

- (A) Product layout
- (B) Process layout
- (C) Fixed position layout
- (D) A combination of line and process layout

27. The disadvantage of product layout is

Mark only one oval.

- (A) High initial investment for the specialized facilities
- (B) Skilled labour to operate machines
- (C) Production time is longer, requiring more goods in inventory
- (D) High cost of inspection

28. If natural light is used as the principal means of illumination at workspace, windows area needs to be equal to ___ percent of floor area.

Mark only one oval.

- 20
- 30
- 40
- 50

29. Ergonomics has expanded as a discipline in its own right over the past 50 years and there is often overlap between what ergonomists and work psychologists do. Simply put, ergonomics has evolved to be concerned with:

Mark only one oval.

- adapting the person to the workplace.
- design of work equipment.
- design of whole systems of work.
- design and development of equipment.

30. There is a wider context to design than just the equipment itself. The user, task requirements, organisation and even the environmental context are all involved in effective ergonomic design. One approach to characterising the wider context of design is known as:

Mark only one oval.

- the Sociotechnical model.
- the 3M model.
- the Human Factor Interaction model.
- the Five M's model.

31. Specifying the requirements for new equipment involves asking what are the skills, knowledge and abilities required to use it, and also what operational and organisational context it will be used in. To deal with these issues, an early human-centred design task is to produce:

Mark only one oval.

- target audience description.
- KSA context plan.
- human factor integration document.
- ergonomic task analysis.

32. Which of the following industries should be located near the vicinity of raw materials?

Mark only one oval.

- Cycles
 - Televisions
 - Sewing machines
 - Steel mills
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