

IEM-BE 2020 - ESE 2

QUESTION BANK 2

* Required

1. STUDENT CODE *

2. Productivity =

1 point

Mark only one oval.

- ☐ (A) Input / Output
- ☐ (B) Output / Input
- ☐ (C) Output – Input
- ☐ (D) Input – Output

3. In the Halsey system of wage incentive plan, a worker is

1 point

Mark only one oval.

- ☐ (A) Paid as per efficiency
- ☐ (B) Ensured of minimum wages
- ☐ (C) Not paid any bonus till his efficiency
- ☐ (D) Never a loser

4. In order to avoid excessive multiplication of facilities, the layout preferred is 1 point

Mark only one oval.

- ☐ A) Product layout
- ☐ (B) Process layout
- ☐ (C) Group layout
- ☐ (D) Static layout

5. The time required to complete a job is established and a bonus is paid to the worker based on the exact % of time saved. This type of incentive plan is known as 1 point

Mark only one oval.

- ☐ (A) Dry work Plan
- ☐ (B) Halsey Premium Plan
- ☐ (C) Taylor Plan
- ☐ (D) Rowan Plan

6. The difference between the time available to do the job and the time required to do the job, is known as 1 point

Mark only one oval.

- ☐ (A) Event
- ☐ (B) Float
- ☐ (C) Duration
- ☐ (D) Constraint

7. The time which results in the least possible direct cost of an activity is known as 1 point

Mark only one oval.

- ☐ (A) Normal time
- ☐ (B) Slow time
- ☐ (C) Crash time
- ☐ (D) Standard time

8. According to Rowan plan of wage incentive system, bonus is paid to a worker 1 point

Mark only one oval.

- ☐ (A) Whose output exceeds 67% efficiency
- ☐ (B) On the percentage of time saved
- ☐ (C) On the percentage of time worked
- ☐ (D) On the percentage of standard time

9. Templates are used for 1 point

Mark only one oval.

- ☐ (A) A planning layout
- ☐ (B) Flow of material
- ☐ (C) Advancing a programme in automatic machines
- ☐ (D) Copying complicated profiles

10. Line organization is suitable for

1 point

Mark only one oval.

- ☐ (A) Sugar industries
- ☐ (B) Oil refining industries
- ☐ (C) Spinning and weaving industries
- ☐ (D) All of these

11. In the Halsey system of wage incentive plan, a worker is

1 point

Mark only one oval.

- ☐ (A) Paid as per efficiency
- ☐ (B) Ensured of minimum wages
- ☐ (C) Not paid any bonus till his efficiency
- ☐ (D) Never a loser

12. In order to avoid excessive multiplication of facilities, the layout preferred is

1 point

Mark only one oval.

- ☐ (A) Product layout
- ☐ (B) Process layout
- ☐ (C) Group layout
- ☐ (D) Static layout

13. The time required to complete a job is established and a bonus is paid to the worker based on the exact % of time saved. This type of incentive plan is known as 1 point

Mark only one oval.

- ☐ (A) Dry work Plan
- ☐ (B) Halsey Premium Plan
- ☐ (C) Taylor Plan
- ☐ (D) Rowan Plan

14. The time which results in the least possible direct cost of an activity is known as 1 point

Mark only one oval.

- ☐ (A) Normal time
- ☐ (B) Slow time
- ☐ (C) Crash time
- ☐ (D) Standard time

15. According to Rowan plan of wage incentive system, bonus is paid to a worker 1 point

Mark only one oval.

- ☐ (A) Whose output exceeds 67% efficiency
- ☐ (B) On the percentage of time saved
- ☐ (C) On the percentage of time worked
- ☐ (D) On the percentage of standard time

16. Templates are used for

1 point

Mark only one oval.

- ☐ (A) A planning layout
- ☐ (B) Flow of material
- ☐ (C) Advancing a programme in automatic machines
- ☐ (D) Copying complicated profiles

17. What does symbol 'V' employ in work study

1 point

Mark only one oval.

- ☐ (A) Operation
- ☐ (B) Inspection
- ☐ (C) Delay/ temporary Storage
- ☐ (D) Permanent storage

18. Choose the wrong statement. Motion study is used for

1 point

Mark only one oval.

- ☐ (A) Improving a work method
- ☐ (B) Improvising a work method
- ☐ (C) Designing a work method
- ☐ (D) Reducing inventory costs

19. Routing prescribes the

1 point

Mark only one oval.

- ☐ (A) Flow of material in the plant
- ☐ (B) Proper utilization of man power
- ☐ (C) Proper utilization of machines
- ☐ (D) Inspection of final product

20. The objective of time study is to determine the time required to complete a job by

1 point

Mark only one oval.

- ☐ (A) Fast worker
- ☐ (B) Average worker
- ☐ (C) Slow worker
- ☐ (D) New entrant

21. Halsey plan of wage incentive

1 point

Mark only one oval.

- ☐ (A) Is not applied to all level of workers
- ☐ (B) Is applied to all level of workers
- ☐ (C) Does not guarantee minimum wage
- ☐ (D) Is based upon efficiency of worker

22. Micro-motion study is

1 point

Mark only one oval.

- ☐ (A) Enlarged view of motion study
- ☐ (B) Analysis of one stage of motion study
- ☐ (C) Minute and detailed motion study
- ☐ (D) Subdivision of an operation into therbligs and their analysis

23. If (R) is the base rate guaranteed per hour, (S) is the standard time for the job and (T) is the actual time, then according to Halsey 50-50 plan, wages for the job will be 1 point

Mark only one oval.

- ☐ (A) TR
- ☐ (B) $TR + [(S - T)/2] \times R$
- ☐ (C) $TR + (S - T) \times R$
- ☐ (D) $TR + [(S - T)/S] \times R$

24. The most suitable incentive plan for the maintenance section of an industry will be 1 point

Mark only one oval.

- ☐ (A) Piece rate system
- ☐ (B) Group incentive plan
- ☐ (C) Profit sharing plans
- ☐ (D) Simplification

25. Micro-motion study involves following number of fundamental hand motions 1 point

Mark only one oval.

- ☐ (A) 8
- ☐ (B) 12
- ☐ (C) 16
- ☐ (D) 20

26. Frederick W. Taylor introduced a system of working known as 1 point

Mark only one oval.

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

27. The employees provident fund act is applicable to 0 points

Mark only one oval.

- ☐ (A) All industries
- ☐ (B) All industries other than small and medium industries
- ☐ (C) Volunteers
- ☐ (D) The industries notified by Government

28. Which of the following is the first step in making a correct location choice? 1 point

Mark only one oval.

- ☐ (a) Develop location alternatives
- ☐ (b) Decide the criteria for evaluating location alternatives
- ☐ (c) Evaluate the alternatives
- ☐ (d) Make a decision and select the location

29. Which of the following does not cause to production delay? 1 point

Mark only one oval.

- ☐ (a) Shortage of space
- ☐ (b) Long distance movement of materials
- ☐ (c) Spoiled work
- ☐ (d) Minimum material handling

30. Which of the following facility layout is best suited for the intermittent type of production, which is a method of manufacturing several different products using the same production line? 1 point

Mark only one oval.

- ☐ (a) Product layout
- ☐ (b) Process layout
- ☐ (c) Fixed position layout
- ☐ (d) Cellular manufacturing layout

31. In which of the following layout type, materials are fed into the first machine and finished products come out of the last machine? 1 point

Mark only one oval.

- ☐ (a) Product layout
- ☐ (b) Process layout
- ☐ (c) Fixed position layout
- ☐ (d) Cellular manufacturing layout

32. Space available in vertical and horizontal directions is most effectively utilized” is known as the principle of 1 point

Mark only one oval.

- ☐ (A) Cubic space utilisation
- ☐ (B) Flexibility
- ☐ (C) Flow
- ☐ (D) Minimum distance

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