

Polymer And Plastic Engineering Department

Question bank

Maintenance of Plastic Processing Machinery

DPP3202

VI th sem

2019-20

By Prof.S.A.Dawale



1) Following are the need of maintenance.

- A. To improve service life of product**
- B. To increase productivity**
- C. To improve machine efficiency**
- D. All above**

2) Following are the objective of maintenance.

- A. To improve quality**
- B. To prevent accidents**
- C. To reduce breakdown**
- D. All above**

3) Maintenance is the routine and recurring process of keeping a particular machine as asset in its normal operating conditions.

- A. True**
- B. false**

- 4) It is a maintenance program which is committed the elimination or prevention of corrective and break down maintenance.
- a. Preventive
 - b. Predictive-
 - c. Corrective
 - d. None of above
- 5) Predictive maintenance is a management techniques that uses regular evaluation of the actual operation condition of plant equipment.
- A. True
 - B. false
- 6) Corrective is the program involve periodical evaluation of critical equipment machinery to detect problem and schedule maintenance task to avoid degradation in operating condition
- A. True
 - B. False
- 7) What is RCM?
- A. Reliability centered maintenance-
 - B. Real centered maintenance
 - C. Record centered maintenance
 - D. None of above
- 8) Limitation of break down maintenance
- A. Most repair are poorly planned
 - B. High cost

- C. Focus only on repair not on root cause
- D. All above-

9) Stake holder of maintenance

- A. Operator
- B. Planner
- C. Scheduler
- D. All above-

10) In injection molding machine which part should be daily maintained / check

- A. Screw
- B. Heaters
- C. Oil tank level
- D. Thermocouple
- E. All above-

11) Basic parts in injection molding machine.

- A. Barrel
- B. Injection screw
- C. Guide pillar
- D. All above-

12) Following are not the types of maintenance

- A. Reactive

- B. Preventive**
- C. Schedule**
- D. Discipline -**

13) Following are disadvantages of preventive maintenance.

- A. Reduction of output & more deterioration in the plant.**
- B. Many Breakdowns occur with Unplanned downtime.**
- C. Increase the maintenance cost with direct loss of profit.**
- D. All above-**

14) Following are advantages of preventive maintenance.

- A. Equipment downtime is decreased and the number of major repairs are reduced.-**
- B. No better conservation of assets**
- C. None of above**
- D. All above**

15) Benefits of predictive maintenance

- A. Minimizing the time the equipment is being maintained**
- B. Minimizing the production hours lost to maintenance**
- C. Minimizing the cost of spare parts and supplies**
- D. All above-**

16) Predictive maintenance techniques are designed to help determine the condition of in-service equipment in order to estimate when maintenance should be performed.

- A. True-**
- B. False**

17) Regular servicing at pre-planned intervals is known as:.

- A. Run to breakdown (RTB)**
- B. Preventive maintenance (PM)-**
- C. Condition-based maintenance (CBM)**

18) Maintenance consist of the following action(s)

- (A) Replace of component**
- (B) Repair of component**

(C) Service of component

(D) All of the above-

19)The time elapsed from the point the machine fails to perform its function to the point it is repaired and brought into operating condition is known as

(A) Down time

(B) Break Down time

(C) Both (A) and (B)-

(D) Idle time

20)The down time cost consists of

(A) Loss of production

(B) Wages paid to the workers-

(C) Reduction in sales

(D) All of the above-

21)The following is not a classification of maintenance

(A) Corrective maintenance

(B) Timely maintenance-

(C) Scheduled maintenance

(D) Preventive maintenance

22)Belt of an electric motor is broken, it needs

(A) Corrective maintenance-

(B) Scheduled maintenance

(C) Preventive maintenance

(D) Timely maintenance

23)The following is (are) scheduled maintenance

- (A) Overhauling of machine
- (B) Cleaning of tank
- (C) Whitewashing of building
- (D) All of the above-

24)Scheduled maintenance is _____ between breakdown maintenance and the preventive maintenance.

- (A) Joint
- (B) Compromise-
- (C) Bridge
- (D) In

25)Equipment history cards are meant to record

- (A) The way equipment behaves
- (B) Total down time of the equipment
- (C) The rate at which different components wear off
- (D) All of the above-

26)The _____ goes on increasing with the increase in degree of maintenance efforts.

- A. Cost of down time
- B. Cost of spares and maintenance
- C. Labour and Overhead Cost-
- D. All above

27)With the increase in preventive maintenance cost, breakdown maintenance cost

A. Increases

B. Decreases-

C. Remain same

D. Any of the above

28) Which of the following is not an important condition for preventive maintenance?

a) Size

b) Age

c) Location

d) Oils used-

29)Which of the following is not a material handling equipment?

a) Cranes

b) Lifts

c) Tongs-

d) Hoists

30)Which of the following are not counted among periodic inspection?

a) Tear downs

b) Overhauls

c) Oil burnings-

d) Replacement of part

31)Preventive maintenance and its application is an expensive process.

a) True-

b) False

32)Frequency of inspection is decided on the basis of overloading.

a) True-

b) False

33)Preventive maintenance is used to ensure that breakdowns:

A. are eliminated.

B. are reduced.-

C. are less costly.

D. cannot happen.

34) In regards to maintenance, breakdown maintenance is _____, while preventive maintenance is _____.

A. proactive; cheaper

B. cheaper; reactive

C. reactive; proactive-

D. cheaper; more productive

35) Companies usually find that minimizing the total cost of maintenance requires them to:

A. shift completely over to preventive maintenance.

B. abandon breakdown maintenance as a policy.

C. find some balance between preventive and breakdown maintenance.-

D. outsource breakdown maintenance but in-source preventive maintenance

36) Predictive maintenance is used to determine:

A. when preventive maintenance was last performed

B. when preventive maintenance should be performed.-

C. which resources should be maintained via preventive maintenance.

D. which resources should be maintained via breakdown maintenance.

37) A group of workers being held responsible for maintaining, on an ongoing basis, the machines they operate is referred to as total _____ maintenance.

A. Reactive

B. Productive-

C. Preventative

D. Proactive

38) Breakdown programs usually involve all of these except:

A. standby or backup equipment.

B. well-trained repair people.

C. operators who know when to call in help for minor repairs.-

D. inventories of spare parts.

39) Predictive maintenance involves:

- A. performing maintenance activities in a consistent, predictable manner.**
- B. performing maintenance on a regular, predictable schedule so workers know when to expect it.--**
- C. determining the best time to perform preventive maintenance on equipment.**
- D. determining when to outsource maintenance.**

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42) Which type of maintenance is not directly included in the total maintenance cost, but might be a component of total overall cost?

- A. Preventive**
- B. Breakdown**
- C. Predictive--**
- D. prescriptive**

43)To keep the machine plants & process equipment in there efficient condition, the maintenance activities are planned & carried out is known as _____ .

- A. Maintenance-**
- B. Wear**
- C. Corrosion**
- D. None of the above**

44)Which of the following is primary functions of maintenance department?

- A. Maintenance of existing plant and equipments.**
- B. Inspection and lubrication of equipments.**
- C. Proper distribution of utility service**
- D. All of above-**

45)Which of the following is not the responsibility of maintenance department ?

- A. Breakdown maintenance**
- B. Protection against fire hazards**
- C. To keep machine in good condition**
- D. None of the above--**

46)The Cost Which is done to keep the Plant, Machines & Equipments in proper Working Conditions is known as _____ .

- A. Depreciation**
- B. Maintenance cost-**
- C. Labour cost**
- D. Material cost**

47)From following which factors is affecting the maintenance cost.

- A. Standardization of parts and machines**

- B. Excess maintenance staff
- C. Both (A) and (B)-
- D. None of the above

48)The benefits of maintenance do NOT include:

- A. Enhanced safety
- B. Higher quality
- C. Increased reliability
- D. Higher end value.-

49)Which of the following processes of moulding is widely used for the manufacturing of bottle caps and automotive dashboards?

- a) Compression moulding
- b) Transfer moulding
- c) Injection moulding-
- d) Jet moulding.

50)Following part should be maintained daily in injection machine.

- A. Thermocouple
- B. Band heaters
- C. Screw
- D. Safety guard

51)Oil level checking in injection molding machine is

- A. Routine maintenance
- B. Preventive
- C. None of above
- D. All above

52)Before maintenance of injection molding machine all power connection should be power off.

- A. True
- B. false

53)oiling and gressing of following part should be necessary in injection molding machine.

- A. Tie bar

- B. Ejector pin
- C. Door slider
- D. All above

54) Limit sensor and flow control valve should be checked weekly in injection molding machine.

- A. True
- B. false.

55) Main cause of machine maintenance are dust and non oiling.

- A. True
- B. false

56) Injection screw should be cleaned by purging method.

- A. True
- B. False

57) Following parts should be checked by operator

- A. Flow control valve
- B. direction control valve
- C. oil level
- D. all above .

58) Breakdown maintenance may be affected.

- A. Production rate
- B. Increase maintenance cost
- C. Material loss/wastage
- D. All above

59) What should operator do if electric spark occurs in injection molding machine

- A. push emergency button on injection machine
- B. run away from machine
- C. put some water on machine
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60) What action should be taken by maintenance engineer if feed zone temperature did not get actual set temperature?

- A. Check screw
- B. Check thermocouple

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61)Corrective is the program involve periodical evaluation of critical equipment machinery to detect problem and schedule maintenance task to avoid degradation in operating condition

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62)What is RCM?

E. Reliability centered maintenance-

F. Real centered maintenance

G. Record centered maintenance

H. None of above

63)Limitation of break down maintenance

E. Most repair are poorly planned

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- J. Real centered maintenance**
- K. Record centered maintenance**
- L. None of above**

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- I. Most repair are poorly planned**
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- 112) Predictive maintenance techniques are designed to help determine the condition of in-service equipment in order to estimate when maintenance should be performed.**
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- b) Age
- c) Location
- d) Oils used-

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- b) Lifts
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