

Prince of Songkla University
The Faculty of Engineering

Midterm Examination Semester 1

Year 2006

Date : 30 July 2006

Time : 9:00-12:00

Subject : 226-341 Maintenance Engineering

Room : A401

Name :

Student code :

| Part | 1 | 2 | 3 | Total |
|-------------------|-----------|-----------|-----------|------------|
| Full score | 10 | 88 | 12 | 110 |
| Score | | | | |

คำสั่ง

- นำตำราหรือเอกสารใด ๆ เข้าห้องสอบได้
- นำ Dictionary และ เครื่องคิดเลขเข้าห้องสอบได้ ทุกชนิด ใช้ดินสอได้ แต่ต้องเขียนให้อ่านได้ชัดเจน
- ข้อสอบนี้ มีทั้งหมด 3 ส่วน คะแนนเต็ม 110 คะแนน คะแนนแต่ละส่วนไม่เท่ากัน ตรวจสอบก่อนเริ่มทำ (*ให้ทำในกระดาษคำตอบเท่านั้น ตอบนอกกระดาษคำตอบไม่มีคะแนน*)
- เขียน ชื่อ หรือ รหัส ในกระดาษคำตอบทุกหน้าก่อนเริ่มทำ เพื่อป้องกันความสับสน ในกรณีกระดาษคำตอบหลุดจากฉบับ

ทูลริตในการสอบ โทษขั้นต่ำปรับตกในรายวิชานั้น

และพักการเรียน 1 ภาคการศึกษา

๑๓

Name : Student Code :

Part 1 Answer all questions. Please determine whether these following sentences are correct or incorrect. One point (1 point) will be given for the right answer. Minus half point (-0.5 point) will be given for the wrong answer. (Total 10 points)

| Question no. | Correct ✓ | Incorrect ✗ | Question |
|--------------|-----------|-------------|--|
| 1 | | | Automatic ordering is suitable to permanent stores in the storehouse. |
| 2 | | | In the case of equipment manufactured within the plant, the total cost after close-out of the job can be handled like an invoice with no need for processing through accounts payable. |
| 3 | | | Maintenance-department overhead covers all expenses that cannot be directly charged to specific work units. |
| 4 | | | In most plants maintenance overhead can be divided into two general categories- "rental" and "operating" cost. |
| 5 | | | The material with unknown time and quantity for replacement shall belong under non-permanent stores. |
| 6 | | | Maintenance man normally proud to do all menial jobs- furniture moving, digging ditches, aligning machinery, and testing electronic circuits. |
| 7 | | | The part prepared against sudden failure on the crucial machine shall belong under permanent stores |
| 8 | | | The maintenance storeroom charge is the indirect cost which is usually distributed by people served. |
| 9 | | | Maintenance overhead includes cost of know-how from contractor services, maintenance manager's salary and top-management's salaries. |
| 10 | | | Dismantling expense includes expenses incurred in elimination of outdated equipment. |

Name : Student Code :

10. What is “upkeep maintenance”?

11. How can we apply “theory X” and “theory Y” proposed by Douglas McGregor in maintenance organization?

12. How does the operator in production department get involved with maintenance works?

13. What does “Human relations skills” mean?

14. Why is the CBM system set up cost getting cheaper now?

Name : Student Code :

15. What should be considered when we want to plan for purchasing machine parts?

16. How shall we record the cost of equipment in the factory?

17. How does “absolute deterioration” differ from “comparative deterioration”?

18. How can we improve craftsman human relations skills through motivation?

19. How can we record labor cost in maintenance work?



Name : Student Code :

20. What type of maintenance indirect cost should be distributed by dollar value of equipment maintained?

21. Why are “challenging assignment” effective to exert motivation force?

22. What are advantages and disadvantages in purchasing through bidding for maintenance materials?

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Part 3 Answer all questions. Each question has 6 points. Total score for this part is 12 points.

1. How do we apply “Maintenance Prevention” and “Corrective Maintenance” in machine shop in Industrial Engineering Department?

หน้าที่ 8/9

OK



GOOD LUCK

Dr. Klangduen Pochana



หน้าที่ 9/9

OK

Name : Student Code :

2. How can we apply the concept of maintenance material control to the maintenance work in the department of Industrial Engineering, in PSU?



GOOD LUCK

Dr. Klangduen Pochana

