ME-8004 (3) (CBGS)

B.E. VIII Semester

Examination, May 2019

Choice Based Grading System (CBGS) Maintenance Management

Time: Three Hours

Maximum Marks: 70

[Total No. of Printed Pages: 2

Note: i) Attempt any five questions.

- ii) All questions carry equal marks.
- How maintenance can be defined? Explain the difference between preventive maintenance and predictive maintenance.
 - Discuss the importance of maintenance engineering in safety.
- What is design out maintenance? Is it possible to achieve the objectives of design out maintenance in all operating system.
 - Describe the on-line and off-line condition based maintenance.
- Define the term 'Maintainability'. What factor affect maintainability.
 - Write short notes on:
 - i) Universal maintenance procedures
 - ii) Shutdown programs

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Explain maintenance planning and scheduling by assuming a suitable example.

How 'management functions' differ from 'administrative functions' specially in the context of 'differentiation' and 'integration' activities involved in realising the organisational objectives?

Suppose you are a maintenance manager then how will you plan the maximum use of computer based management information systems. Also discuss its benefits.

b) How maintenance data is documentations? Giving an examples of machine maintenance.

Compare sliding and rolling contact bearings. State any four advantages and three disadvantages of rolling contact bearings. http://www.rgpvonline.com

b) What are different types and applications of lubricants? Explain lubrication process.

Analyse the seal and packing failure and its mechanism.

b) Discuss the maintenance procedure for hydraulic components. Also compare it with pneumatic components maintenance.

Explain the terms "failure characteristics" and "failure data analysis".

b) What are different models far one way classification analysis of variance? Explain.

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