

~~8<sup>th</sup>~~  
**B.E. End Semester Examinations, 2013**  
**(8<sup>th</sup> Semester Mining Engineering)**

Session: 2012-2013

Subject: Principles of Mine Management

Subject Code: MN 802

Full Marks: 70

Time: 3 Hours

Question Nos. 1 and 6 are compulsory. Answer any four from the rests taking <sup>at least two</sup> ~~two~~ from each half.

1<sup>st</sup> Half

1. a) What are the different management theories?  
b) Write down the Henry Fayol's management theories.  
c) Describe different managerial skills. (3+7+5)
  
2. a) Deduce the expression for effective interest rate (EIR).  
b) SBI pays 8.5% interest with a yearly compounding effect. If you deposit Rs.43000 at the starting of each year, then how much will you get at the end of 5 years?  
c) Find out the compounded value of Rs. 520000 interest being 8% per annum if compounded quarterly and monthly for 2 years. (2+4+4)
  
3. a) What do you mean by financial management?  
c) Elaborate different finance functions. (2+8)
  
4. a) Write down the social definition of marketing.  
b) What are the different marketing phases?  
d) State the skills of a marketer. (2+3+5)
  
5. Prepare a balance sheet showing different cash-flows of a mining enterprise. (10)

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## Second Half

~~(Answer question no. 6 and any two questions from the rest.)~~

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6. What are the main types of incorporated company? What are the advantages of incorporation? What is a public limited company? Distinguish between the 'memorandum of association' and the 'article of association' prepared for a company. [2+3+2+6=13]
  
7. What is 'Capital' in relation to a business? Distinguish between the terms 'revenue', 'income' and 'dividend'. How capital is formed? What is a debenture? A public limited company is operating in a conducive business environment and is toying with the idea of raising money from market either by issuing equity shares or by issuing debentures. What are the factors that would influence its decision? Discuss them in brief. [2+1+2+1+5=11]
  
8. Discuss in outline form the typical responsibilities of a Personnel Manager in a business organisation. Enumerate the sequential steps you would take to fill up a vacant position in a mining company. What steps may be taken to enhance the effectiveness of an interview conducted for the purpose of recruiting personnel? [3+3+5=11]
  
9. Portray a conceptual model of productivity in the form of a tree diagram. What do you understand by the term 'total factor productivity'? Discuss the concepts of 'total factor productivity' measurement. [3+2+6=11]
  
10. Define the term 'project' in relation to project planning. Discuss the 'Logical Framework Approach' for goal oriented project planning. Describe generic project cycle with the help of a self explanatory sketch. [2+4+5=11]