فتوذج الحل طارة: هند مة وادارة المعال

الفرقة : الحابة - هذ - صاعبة ' ليرته : الحابة ليرتمة حيدية

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Cells 1 W J. (5) J. Jeel

 $c \cdot \sqrt{\cdot / c} \cdot \sqrt{\cdot}$ <u>S120 (21-1-></u>

(30 Mark)

1 plant Management: (9) It is the application of Know Tools and scientific techniques to pl activities in order to meet or exca the system reeds and expectations fr. the stati.

16, plant performance evaluation When making on evalution for organization or plants we must Into Consideration all the Ellowing; 1 - Time 2-Cost 3- 94al 4- Allantity 5-Resources 6 - plant conditions 7- Mainta

) plant Manggement Information (PMIS). (5) Inputo PMIS

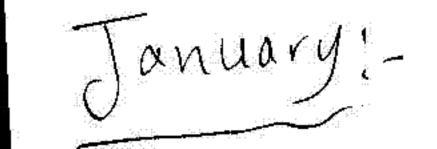
1- Basic data

2 - Requirements 3- Targets. 4- Constrainto (d) For year 2007: ~(13)

1 2 4 7

- - col

1- Righto I 2- To therig 3- At theri 4 - In the r,



or year 2008: January:-QE = 91.67 %. QR = 92.737. For year to date: P.E = 88.9% QR = 97.75%

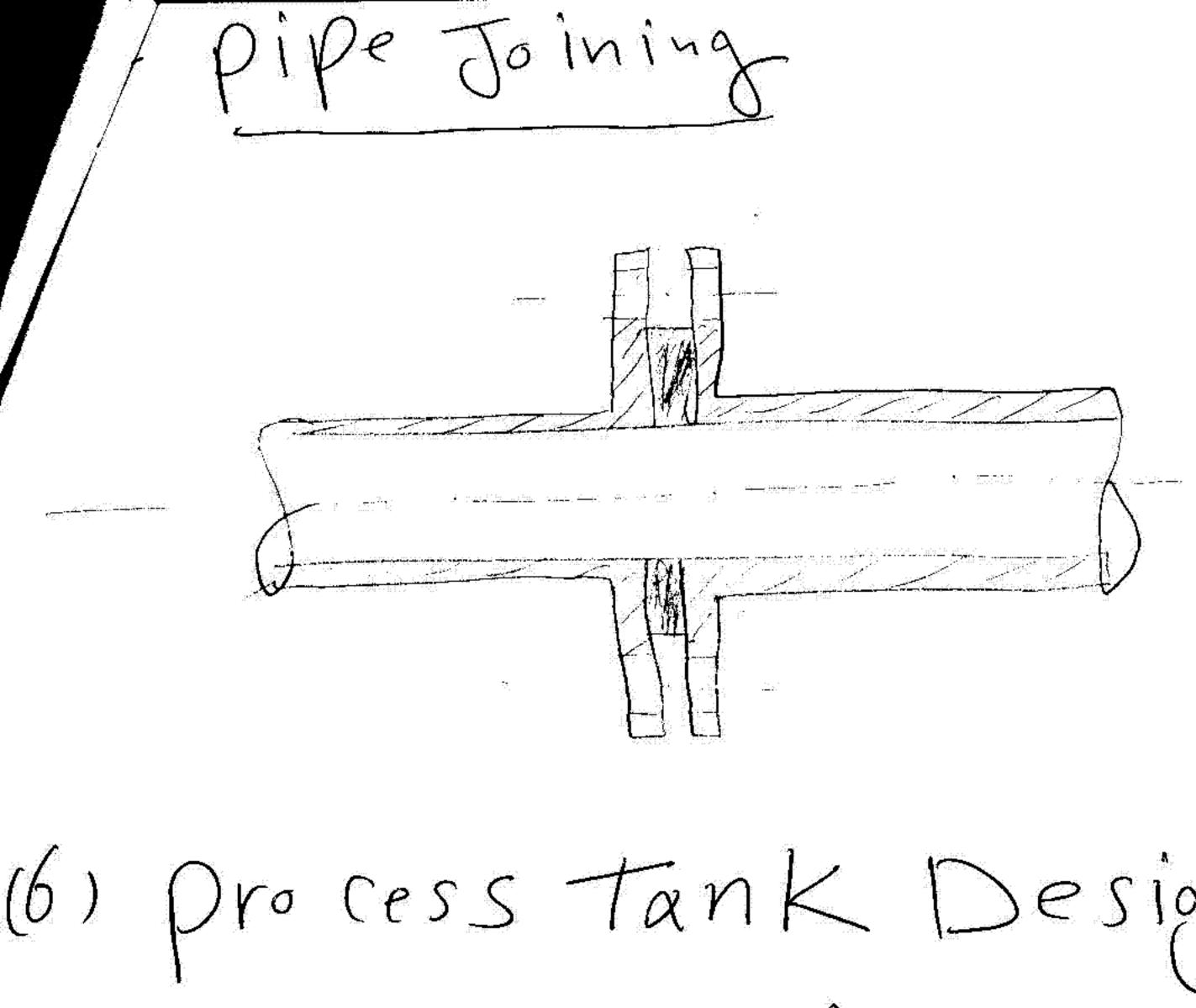
Ans. (Q_2) : (35)(a) General Factors in planning 1 - Safety Considerations 2- Building Code reef. 3- Conomical distribution of ser

AUUTIZAtion Ration $UR = \frac{18}{20} = \frac{Usedtin}{A vailable t}$

(2) Design of pipelines sys

No. of pipes = 84 pipes Q = 0.015625 m/s

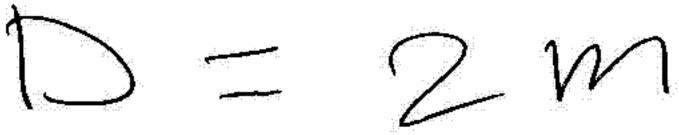
 $V_1 = 2.35 m/s$ (3, Select of pump station; - Centrifugel pump - power 225 KW

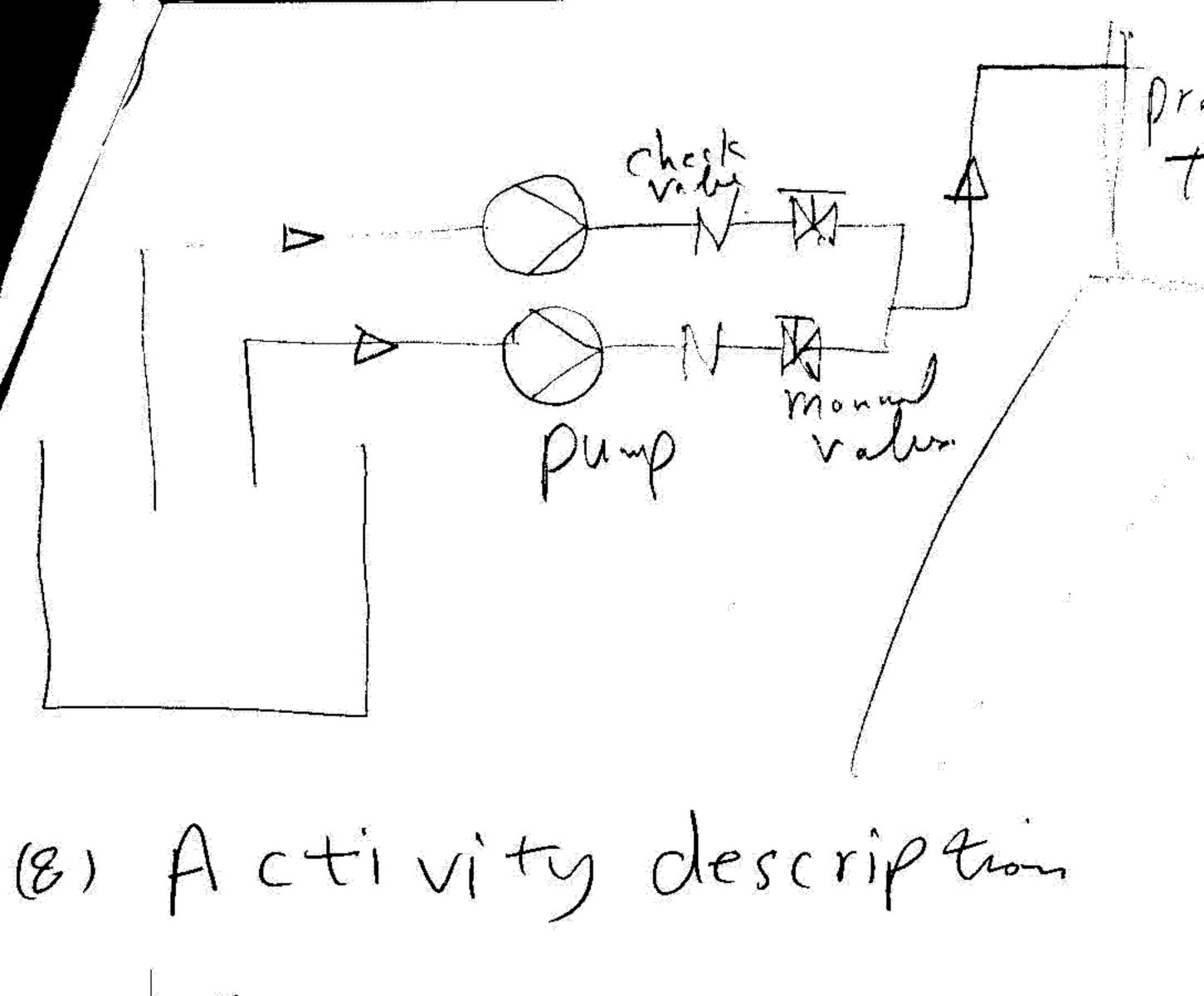


V = 14.06 m

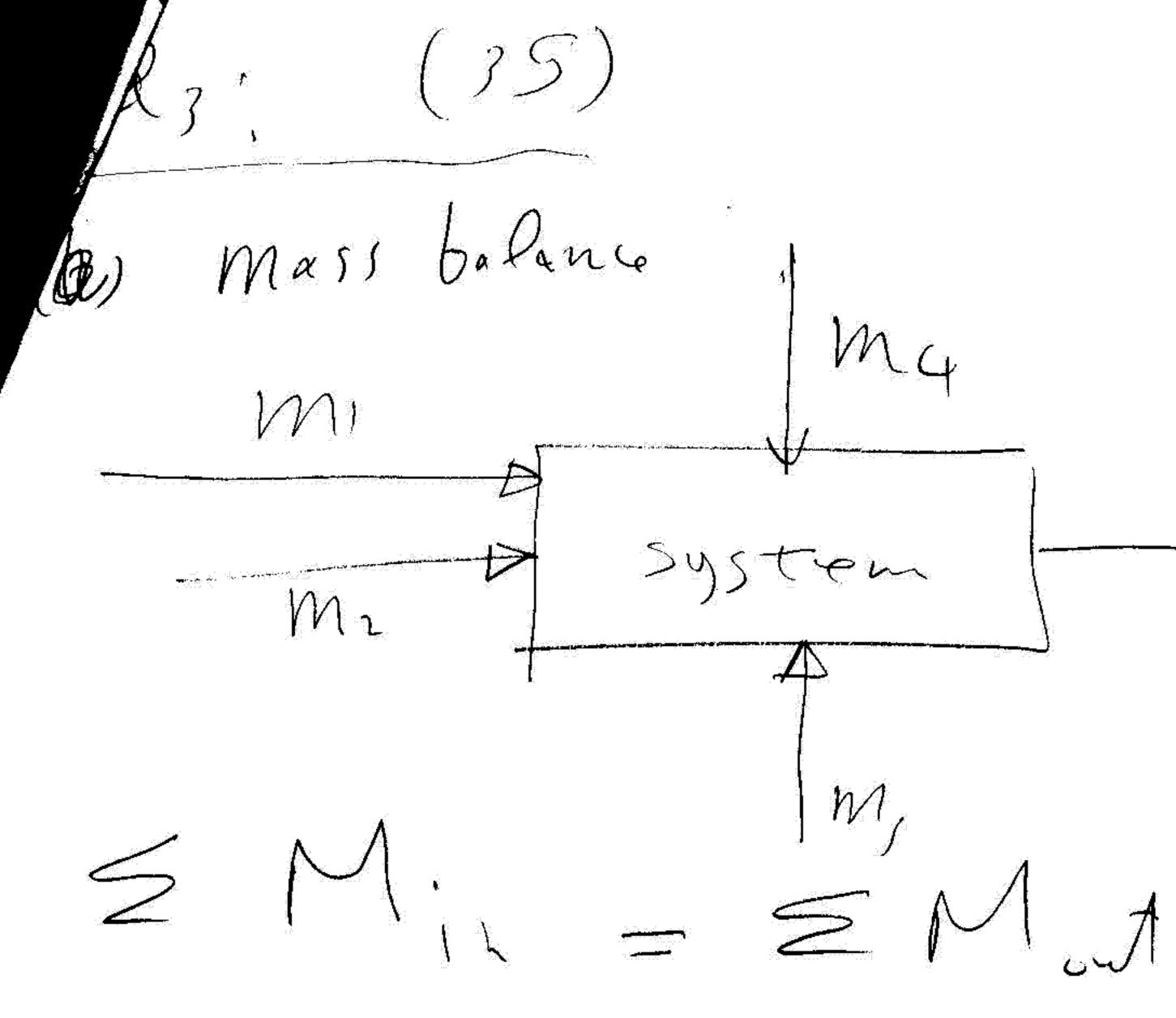
L = 4. SM

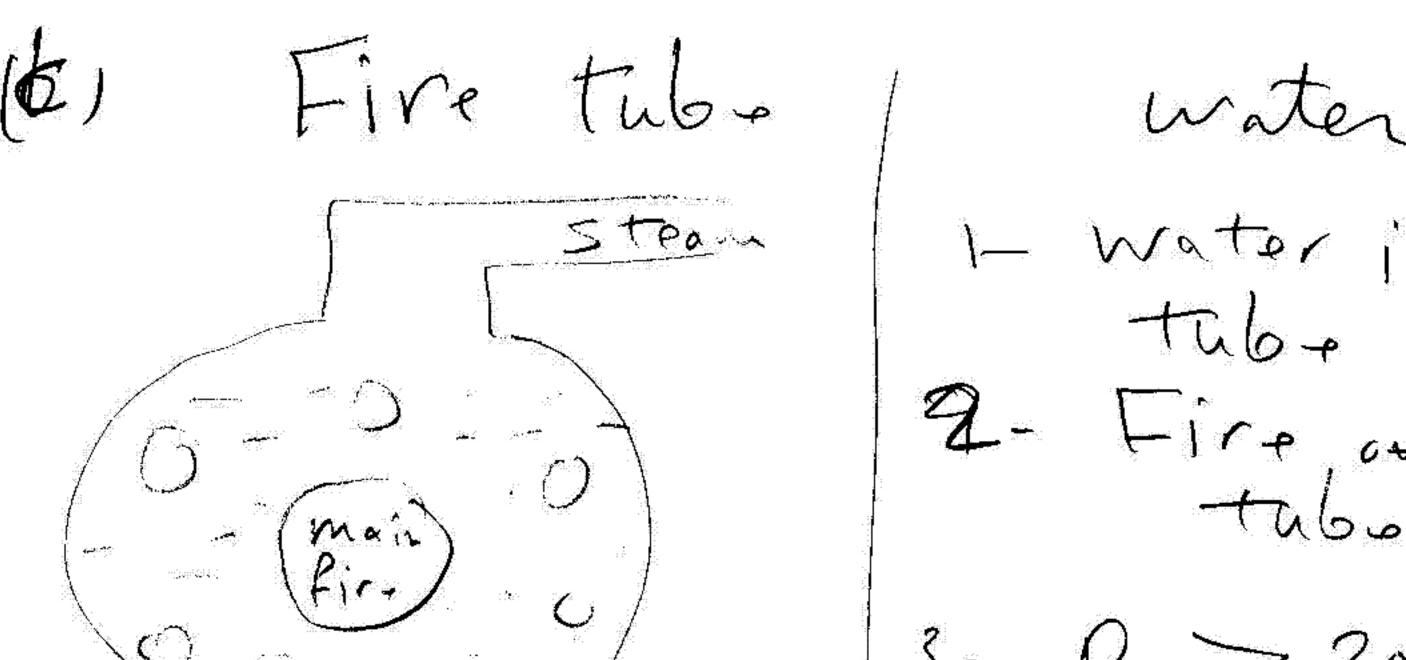






Resource Misti-14-Building Resource 5-Tax E-Electricity 7-Water 10) Activity description 1 - plant design 2. Main components techincal, 3-Sit location 4-tender 8-Design piping and pumps 6-Workprder 7-erection 8-7 Cost estimation 11 Total cost = 180,000





(IAnnual production rate = 8+10 ton/year

(2) $QR = \frac{7}{.5\%}$

(3) Selet of boiler

(4) Annual Fuel Consumption. et of to fort. A é aire francé de la composition de la composition de la composition de la composition de la c A composition de la co 2 = mishs - minhu nip HAV MP - 224.5 Kaller

Fire _ tube boilor

design of pipes. D = 21.61 CmQ = 6.642 m/scost note = 62.95L.2/

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