| Enrollment No: | CHCUAU | _ Exam Seat No: UNIVERSITY | |
|-------------------------------|---|--|-------------|
| | | | |
| | Summer Ex | amination-2018 | |
| Subject Name: | Plant Engineering and Mai | ntenance | |
| Subject Code: 4 | Subject Code: 4TE08PEM1 Branch: B.Tech (Mechanical) | | nical) |
| Semester: 8 | Date: 26/04/2018 | Time: 02:30 To 05:30 | Marks: 70 |
| | _ | ny other electronic instrument is plook are strictly to be obeyed. | prohibited. |
| Instructions: | luo augusta alla galanlata u la ga | | |
| • • | at diagrams and figures (if no | • | |
| (4) Assume | suitable data if needed. | | |
| | | | |
| Attempt the | following questions: | | |
| _ | AIZEN stand for? | | |
| Which are th | ree elements in fire triangle? | | |
| Why do you | classify "Class C" Fire? | | |
| What is Hydr | onic heating system? | | |
| Write any on | e benefit of preventive maint | tenance? | |
| What is the f | unction of dehumidifier? | | |
| What is corre | ective work? | | |
| What is stand | lard composition of a standar | rd air? | |
| What is "PA | SS" system in fire-fighting? | | |
| | ssive solar collector? | | |
| What is 5s in | TDM9 | | |
| | I F IVI : | | |
| A is | | et point temperature in a building. | |
| | | et point temperature in a building. | |
| Define Autor | a device that regulates the se | | |
| Define Autor Military orga | a device that regulates the senomous maintenance | | |
| Define Autor Military orga | a device that regulates the senomous maintenance nization is known as | | |

Q-3



b) Explain in detail the various energy sources for HVAC

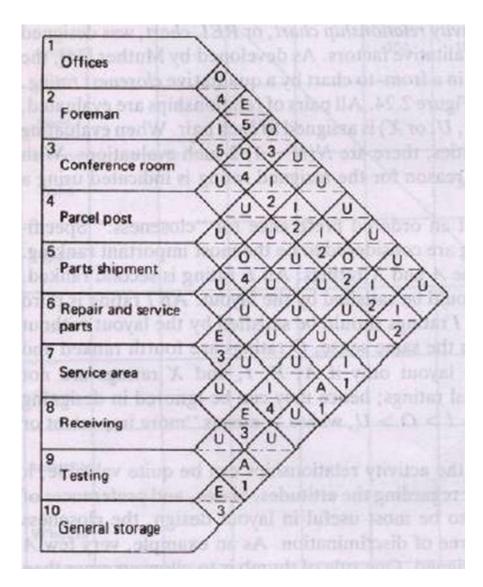
a) Prepare Activity Relationship Chart for below mentioned example

Attempt all questions

07

(14)

10



| | b) | Enlist the various software available for Systematic Layout planning | 04 |
|-----|------------|---|-----|
| Q-4 | | Attempt all questions | (14 |
| | a) | Explain in detail Condition Monitoring for maintenance management practice | 07 |
| | b) | Enlist various methods used for Quantitative Decision making system for maintenance | 07 |
| Q-5 | | Attempt all questions | (14 |
| | a) | State the differences between TQM & TPM | 04 |
| | b) | Prepare Pareto chart for the below mentioned example | 10 |



| Category | Hours of delay | Total |
|---|---|----------|
| Align front Door Clean & paint wheels Parts out of stock Align rear Broke on road Radius rods A-frame | | 95959961 |
| Total | | 123 |

| Q-6 | | Attempt all questions | (14 |
|------------|------------|--|-----|
| | a) | Explain in detail various Pillars of Total Productive Maintenance | 08 |
| | b) | Write the various sources of Mechanical & Chemical Hazards | 06 |
| Q-7 | | Attempt all questions | (14 |
| | a) | What is Man Power Planning? Write the steps to implement man power planning in detail | 07 |
| | b) | List out the important guidelines for equipment designers to improve safety in maintenance | 07 |
| Q-8 | | Attempt all questions | (14 |
| | a) | State various principles influencing for Plant layout planning | 07 |
| | b) | Write important seven steps to approach to implement Life cycle costing? | 07 |

