

**Q.1** What is technical writing? Mention six specification of good technical writing. (6 Marks)

**1.b.** What are the types of Technical Reports? (5 Marks)

**Q.2.a. Choose the correct answer: (6 Marks)**

1. The Titanic was nearly 900 feet long, stood (25 / twenty-five) stories high, and weighed an incredible 46 thousand tons.
2. The Charpy test is run by holding the coupon against a steel backing and striking the coupon with a 67-pound pendulum on a (2-foot arm / two-foot arm).
3. (1522 people perished when the Titanic sank. / When the Titanic sank, 1522 people perished.)
4. The maximum amperage for each of the two devices is (3 A / three A).
5. During that time the water temperature dropped (.6 K / 0.6 K / zero point six degrees Kelvin)
6. In its day, the Titanic cost more than (\$7.5 million / \$7,500,000 / seven and one-half million dollars) to construct.

**2.b. True or False then Correct: (14 Marks)**

1. The new material, which will be available next week is composed of plastic and iodine.
2. As World War II escalated the United States became locked into a race with Germany to develop the first atomic bomb
3. The three largest earthquakes occurred in San Francisco, Tokyo, and Lima.
4. On February 5, 1990 Mount St. Helens had another eruption, this one smaller than the eruption 10 years before.
5. Every year, an earthquake of magnitude between 8.0 and 8.9 on the Richter scale, will be experienced somewhere in the world
6. As the flame front propagates hot combustion products expand, resulting in a rapid pressure increase.
7. According to Dr. D. Simpson [1986], a biologist at the Harvard Medical School, "Only 30,000 rads are needed for interphase death to occur in yeast cells."



**Q.3.a. Determine whether there is Sentence Fragment, Run-On , then correct (14 Marks)**

1. Although the shock sphere is still strong at the end of the fireball's life, the sphere is no longer strong enough to heat the air to incandescence.
2. At that point the shock sphere is no longer strong enough to heat the air to incandescence. however, the sphere is still very strong.
3. At the end of the fireball's life, the shock sphere no longer being strong enough to heat the air to incandescence.
4. Both sites produce the same three sources of energy: coal, oil, and natural gas. Both sites, however, do not produce these sources in the same proportions.
5. The plant shutdown was more than just another company having to close its doors. Bolens was a way of life for hundreds of families in the small town where the company was located.
6. Both designs produce the same three pollutants (nitrogen oxides, sulfur dioxides, and hydrocarbons) in roughly the same proportions, therefore, both designs have similar effects on the environment.
7. Because both designs produce the same three pollutants (nitrogen oxides, sulfur dioxides, and hydrocarbons) in roughly the same proportions, both designs have similar effects on the environment.

**3.b. Determine the pronoun reference and Dangling participle and then correct (6 Marks)**

1. Although design flaws in the Titanic were realized soon after its sinking in 1912, the reasons for the severe damage inflicted by the iceberg remained a mystery until its discovery in 1985.
2. Once the earthquake has subsided, you are not yet out of danger. Often the electricity has gone out and it is dark. However, striking a match or any open flame may cause a gas explosion.
3. At this time, the Department of Energy is only considering Yucca Mountain as a possible storage site for nuclear waste. For that reason, this report will not consider other sites.
4. Scientists have problems assuring that the viral vectors apply themselves to the correct cells. When implanted, they tend to migrate throughout the body and miss targeted cells more often than not.
5. Reductions of up to 80 percent in heat and mass transfer coefficients were measured due to outgassing.
6. The objectives of the Viking mission were to obtain high-resolution images of the Martian surface, characterize the structure and composition of the atmosphere and surface, and to search for evidence of life.

*With my best wishes*  
**Dr. Marwa Ismaeel Obayya**