

Duration: 2 hour

Total Marks: 40

NB: Q1. is compulsory.

Attempt any Three out of the remaining Five questions.

Figures to the right indicate full marks.

Answers to the sub questions should be grouped together.

Q1. A. Answer the following questions briefly. (05)

“Communication is a network of interactions where the sender and the receiver keep on changing their roles”. Explain the process of Communication in the light of the above statement with the help of appropriate diagram.

B. Explain any 5C’s of correspondence? (05)

Q2. A. Being the Sales Manager of Universal Computer Technologies, Mumbai; you have received an annoyed letter from one of your wholesale distributors about the manufacturing defect in the batteries of the laptops that they have bought from your company recently. Draft a suitable reply using Complete block form. (05)

B. Identify the sender, receiver, message, channel and feedback: (05)

(i) Seeking vote during election campaign.

(ii) The teacher summons the student to her cabin to give him some instructions. The student replies in the affirmative and leaves the cabin.

Q3. A. What is Hazard Notation and discuss how it can be categorized into various special notices? (05)

B. Do as directed: (05)

- 1) It is 2 o'clock _____ my watch. (Use Preposition)
- 2) My uncle and aunt _____ visting me. (Use proper Subject verb agreement)
- 3) Use the synonym word to form two different sentences. Eminent, Imminent
- 4) Antonyms of : Pessimistic
- 5) One word substitution: Exchange of thoughts between two individuals

Q4. A. Write a letter to your college authorities requesting for Scholarship approval for paying your college fees. (05)

B. State whether the following statements are true or false.

(05)

- (1) The living nature of the English language causes semantic barriers.
- (2) Stage-fright is a very rare phenomenon.
- (3) Crossing one's arms across one's chest is a sign of defensiveness.
- (4) The first component in the process of communication is encoding.
- (5) One should write to impress, not express.
- (6) Written communication has legal validity.
- (7) It is easier to change an opinion than to change a belief.
- (8) Television is an example of a medium of communication.
- (9) Pacing up and down the stage while speaking in public makes a good impression.
- (10) One cannot not communicate.

Q5. A

Describe the following process through a definition, diagram, component, working and uses.

Electrolysis OR Titration

(05)

B. Write short note on:

(05)

- i) Physical barrier
- ii) Grapevine communication

Q6 A.

Read the following passage and choose the right answer from the multiple choices given: **(05)**

Many great inventions are initially greeted with ridicule and disbelief. The invention of the airplane was no exception. Although many people who heard about the first powered flight on December 17, 1903 were excited and impressed, others reacted with peals of laughter. The idea of flying an aircraft was repulsive to some people. Such people called Wilbur and Orville Wright, the inventors of the first flying machine, impulsive fools. Negative reactions, however, did not stop the Wrights. Impelled by their desire to succeed, they continued their experiments in aviation.

Orville and Wilbur Wright had always had a compelling interest in aeronautics and mechanics. As young boys; they earned money by making and selling kites and mechanical toys. Later, they designed a newspaper-folding machine, built a printing press, and operated a bicycle-repair shop. In 1896, when they read about the death of Otto Lilienthal, the brothers' interest in flight grew into a compulsion.

Lilienthal, a pioneer in hang-gliding, had controlled his gliders by shifting his body in the desired direction. This idea was repellent to the Wright

brothers, however, and they searched for more efficient methods to control the balance of airborne vehicles. In 1900 and 1901, the Wrights tested numerous gliders and developed control techniques. The brothers' inability to obtain enough lift power for the gliders almost led them to abandon their efforts.

After further study, the Wright brothers concluded that the published tables of air pressure on curved surfaces must be wrong. They set up a wind tunnel and began a series of experiments with model wings. Because of their efforts, the old tables were repealed in time...and replaced by the first reliable figures for air pressure on curved surfaces. This work, in turn, made it possible for the brothers to design a machine that would fly. In 1903, the Wrights built their first airplane, which cost less than \$1,000. They even designed and built their own source of propulsion lightweight gasoline engine. When they started the engine on December 17, the airplane pulsed wildly before taking off the plane managed to stay aloft for 12 seconds, however, and it flew 120 feet.

By 1905, the Wrights had perfected the first airplane that could turn, circle, and remain airborne for half an hour at a time. Others had flown in balloons and hang gliders, but the Wright brothers were the first to build a full-size machine that could fly under its own power. As the contributors of one of the most outstanding engineering achievements in history, the Wright brothers are accurately called the fathers of aviation.

- (i) The idea of flying an aircraft was ----- to some people.
- (a) Boring
 - (b) Distasteful
 - (c) Exciting
 - (d) Needless
- (ii) People thought that the Wright brothers had -----.
- (a) Acted without thinking
 - (b) Been negatively influenced
 - (c) Been too cautious
 - (d) Been mistaken
 - (e) Acted in a negative way
- (iii) The Wright's interest in flight grew into a -----.
- (a) Financial empire
 - (b) Plan
 - (c) Need to act
 - (d) Foolish thought
- (iv) Lilienthal's idea about controlling airborne vehicles was----- the Wrights.
- (a) Proven wrong by
 - (b) Opposite to the ideas of
 - (c) Disliked by
 - (d) Accepted by
 - (e) Improved by

(v) The Wrights designed and built their own source of -----.

- { a) Force for moving forward
- (b) Force for turning around
- (c) Turning
- (d) Force for going backward

B. Given below are certain instructions. Classify them into Caution, Warning, Instructions, Description, Maintenance and Definition.

(05)

- (i) A doorbell consists of a push-button switch, a signal unit, wiring, and a transformer.
- (ii) Twice a year, wipe the blades of the ceiling fan with a damp cloth.
- (iii) Unplug a refrigerator before servicing it.
- (iv) Do not overload a circuit. It may result in fuse-blowing.
- (v) When you chisel, cut away from your body, not towards yourself.
