

Reg No.: \_\_\_\_\_

Name: \_\_\_\_\_

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

Third semester B.Tech examinations (S) September 2020

**Course Code: HS210****Course Name: LIFE SKILLS**

Max. Marks: 50

Duration: 2 Hours

**PART A***Answer all questions, each carries 6 marks.*

Marks

- 1 a) Differentiate between Group Communication and Public Communication with an example. (3)
- b) What are the means of non-verbal communication by which one can decide that the people in a group of three are strangers? (3)
- 2 a) In the recent floods in Kerala, if you were a rescuer, which kind of thinking would have been ideal there, vertical or lateral thinking? Why? (3)
- b) Give the white, red, and blue hats thinking (out of the six thinking hats) of the recent Supreme Court verdict on the Demolition of Flats in Maradu, Kochi. (3)
- 3 a) Is team or group preferred for situations of i) rescue ii) investigation iii) political campaign? Justify your choices. (3)
- b) Suggest Team Performance Cycle for a newly selected college cricket team for University Championship. (3)
- 4 a) How can an Engineering UG student maintain academic integrity? (2)
- b) These days, the offence and violence against women and girls in work places and society are increasing at an alarming rate. How do you see this in terms of Rights Theory and Moral Autonomy? (4)
- 5 a) Differentiate between Transactional Leadership and Transformational Leadership. (2)
- b) b) How would you map the leadership types of the following on the Leadership grid? (4)  
i) a military operation ii) a charity work iii) a public sector bank iv) An airplane on-board crew

**PART B**

*Read carefully the following case and answer the questions given below, it carries 20 marks.*

**(Case study)**

Mr. Kumar realized that he had forgotten to take his laptop from train, only when he got into a taxi from Howra railway station. He had to travel to the airport from the railway station to catch a flight to Chennai. The flight would leave in 90 minutes and he had to travel 45 minutes to reach the airport. He was in a dilemma as he could not miss the flight, but what he would be losing will be his valuable research work. People gathered around him as he cried out in panic that he has forgotten to take his laptop from the train. They suggested that he should go back and check if the train was still in the platform. He knew that the train would long have gone from there and in a crowded train, the probability of getting the laptop back was slim. Also, he had a heavy suitcase with valuables inside.

Suddenly he received a call from Mr. Sarkar, the train's loco-pilot, that he had Mr. Kumar's laptop with him. He asked Kumar to rush to the platform where the train had stopped at the extreme end on its way to the workshop yard. Extremely surprised and relieved, Kumar rushed to the platform. While running as fast as possible, Kumar saw Dina, a porter, telling him, "You run, I'm behind you with your suitcase, don't worry". Dina carried the heavy suitcase on his head and ran behind Kumar.

Kumar reached the yard and collected his laptop from Mr. Sarkar. After thanking him, Kumar realized that he had lost connection with Dina. That means, he lost his suitcase when he got his laptop back. Devastated Kumar came back to Howra station and happened to meet Mr. Rai, a taxi broker on duty, who was there among the people while Kumar was complaining about his lost laptop hours ago. Rai decided to help Kumar to trace out his lost suitcase by finding out Dina since he felt it was his duty to help Kumar as all these incidents happened in front of his eyes. He took Kumar to different corners of the area searching for Dina and complained to their leader about the theft Dina did to a non-native traveller. All the efforts went in vain as they could not find Dina even after searching for one hour. Highly demoralized Kumar was about

to leave after thanking Rai for his sincere help. Then, to the surprise of everyone around there, Dina was brought before them by a group of people.

In tears, Dina told them that he had not stolen anything, instead, when he realized that Kumar was heading towards the yard and would take some time to return, he stopped chasing Kumar and handed the suitcase to the police counter on the platform, and went about his work. Everyone appreciated his honesty. Kumar could not believe that he got back all his lost belongings in a span of three hours in a crowded Metro City Railway station. He rewarded Rai and Dina with some money as a token of gratitude. He missed the flight on that day but travelled peacefully with a satisfied mind the next day.

- 6 a) Who are the key players here? (3)
- b) What could have Kumar done had he not received the call from Mr. Sarkar? (7)
- c) Who has more empathy towards Kumar here, Sarkar, Rai or Dina? Why? (4)
- d) Which incident do you feel is the best example of integrity? (4)
- e) Would you justify Kumar's gesture of rewarding them with money? (2)

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**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
**THIRD SEMESTER B.TECH DEGREE EXAMINATION, DECEMBER 2018**

**Course Code: HS210**

**Course Name: LIFE SKILLS**

Max. Marks: 50

Duration: 2 Hours

**PART A**

*Answer all questions, each carries 6 marks.*

Marks

- |   |  |     |
|---|--|-----|
| 1 | Your college recently organised a seminar on 'Say No to Tobacco'. The speakers included well known educationists and doctors. Write a report on the same for your college magazine in not more than 100 words. | (6) |
| 2 | a) You were asked to give a speech on global warming for the Environment Day celebration in your college. Prepare the data needed by the method of mind mapping.   | (3) |
|   | b) Give 3 differences between critical thinking and creative thinking.   | (3) |
| 3 | What are the different steps taken in group problem solving?   | (6) |
| 4 | a) Explain the meaning and need of work ethics.  | (3) |
|   | b) What is environmental ethics and comment on environmental ethics and engineers?   | (3) |
| 5 | Give a short note on leadership styles.  | (6) |

**PART B**

*Read carefully the following case and answer the questions given below, it carries 20 marks.*

- 6 **(Case study)**

The Exxon Valdez oil spill occurred in Prince William Sound, Alaska, March 24, 1989, when Exxon Valdez, an oil tanker owned by Exxon Shipping Company, bound for Long Beach, California, struck Prince William Sound's Bligh Reef, 1.5 miles west of Tatitlek, Alaska at 12:04 am local time and spilled 10.8 million US gallons (or a mass of 35,000 metric tonnes) of crude oil over the next few days. It is considered to be one of the most devastating human-caused environmental disasters. Prince William Sound's remote location, accessible only by helicopter, plane, or boat, made government and industry response efforts difficult and severely taxed existing response plans. The region is a habitat for salmon, sea otters, seals and seabirds. The oil, originally extracted at the Prudhoe Bay oil field, eventually covered 1,300 miles (2,100 km) of coastline, and 11,000 square

miles (28,000 km<sup>2</sup>) of ocean.

According to official reports, the ship was carrying 53,094,510 gallons (1,264,155 barrels) of oil, of which about 10.8 million US gallons were spilled into the Prince William Sound. During the first few days of the spill, heavy sheens of oil covered large areas of the surface of Prince William Sound.

Multiple factors have been identified as contributing to the incident: Beginning three days after the vessel grounded, a storm pushed large quantities of fresh oil on to the rocky shores of many of the beaches in the Knight Island chain. Exxon Shipping Company failed to supervise the master and provide a rested and sufficient crew for Exxon Valdez. The third mate failed to properly maneuver the vessel, possibly due to fatigue or excessive workload.

Exxon Shipping Company failed to properly maintain the Raytheon Collision Avoidance System (RAYCAS) radar, which, if functional, would have indicated to the third mate an impending collision with the Bligh Reef. Captain Joseph Hazelwood, who was widely reported to have been drinking heavily that night, was not at the controls when the ship struck the reef.

Other factors, included: Ships were not informed that the previous practice of the Coast Guard tracking ships out to Bligh Reef had ceased. The oil industry promised, but never installed, state-of-the-art iceberg monitoring equipment. Exxon Valdez was sailing outside the normal sea lane to avoid small icebergs thought to be in the area. (Source: Wikipedia).

- a) Identify the key players in the case (4)
- b) What are the professional responsibilities neglected by each of the key players in the case? (4)
- c) What are the ethical issues attached to the case? (4)
- d) How do you think that the disaster management team of the Exxon reacted to the accident? (4)
- e) What are the lessons learned from the Exxon Valdez oil spill? (4)

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**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

THIRD SEMESTER B. TECH DEGREE EXAMINATION(S), MAY 2019

**Course Code: HS210****Course Name: LIFE SKILLS**

Max Marks: 50

Duration: 2Hours

**PART A***Answer all questions, each carries 6 marks.*

1. (a) Differentiate between Transactional leader and Transformational leader. (3)  
(b) Explain different levels of leadership. (3)
2. Discuss about the six thinking hats. Explain the significance of colours associated with each. (6)
3. (a) Discuss how to manage conflicts in teams. (3)  
(b) Differentiate between group discussion and debate. (3)
4. (a) List the main functions of left and right brain. (3)  
(b) Write a covering letter to the manager of an MNC enquiring about the vacancy of web developer in their firm. (3)
5. Explain the moral reasoning development over different stages according to Kohlbergs theory. (6)

**PART B**

- 6. Read carefully the following case and answer the questions given below, it carries 20 marks.**

**(Case study)**

Greenhouse protocol establishes comprehensive global standardized frameworks to measure and manage greenhouse gas (GHG) emissions from private and public sector operations, value chains and mitigation actions. Building on a 20-year partnership between World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD), GHG Protocol works with governments, industry associations, NGOs, businesses and other organizations. GHG Protocol arose when WRI

and WBCSD recognized the need for an international standard for corporate GHG accounting and reporting in the late 1990s. Together with large corporate partners such as BP and General Motors, in 1998 WRI published a report called, “Safe Climate, Sound Business.” It identified an action agenda to address climate change that included the need for standardized measurement of GHG emissions. Similar initiatives were being discussed at WBCSD. In late 1997, WRI senior managers met with WBCSD officials and an agreement was reached to launch an NGO-business partnership to address standardized methods for GHG accounting. WRI and WBCSD convened a core steering group comprised of members from environmental groups (such as WWF, Pew Center on Global Climate Change, The Energy Research Institute) and industry (such as Norsk Hydro, Tokyo Electric, Shell) to guide the multi-stakeholder standard development process.

The first edition of the Corporate Standard, published in 2001, has been updated with additional guidance that clarifies how companies can measure emissions from electricity and other energy purchases, and account for emissions from throughout their value chains. GHG Protocol also developed a suite of calculation tools to assist companies in calculating their greenhouse gas emissions and measure the benefits of climate change mitigation projects. The Paris Agreement, adopted within the United Nations Framework Convention on Climate Change (UNFCCC) in December 2015, commits participating all countries to limit global temperature rise, adapt to changes already occurring, and regularly increase efforts over time. GHG Protocol is developing standards, tools and online training that helps countries and cities track progress towards their climate goals

- A. No country can afford to tackle the climate challenge alone. Substantiate this statement. (5)
- B. As an engineer suggest better ways to reduce greenhouse gas emission. (5)
- C. As of the present situation, do you think that there are effective movements for resisting global warming from the authorities? Justify your answer. (5)
- D. Identify who all can play key role in controlling nations greenhouse gas emission. (5)

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**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
**FOURTH SEMESTER B.TECH DEGREE EXAMINATION(R&S), MAY 2019**

**Course Code: HS210**

**Course Name: LIFE SKILLS**

Max. Marks: 50

Duration: 2 Hours

**PART A**

*Answer all questions, each carries 6 marks.*

Marks

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|---|---|-----|
| 1 | a) Discuss the types of reports and its features.                   | (4) |
|   | b) Differentiate between group discussion (GD) and debate.          | (2) |
| 2 | a) Compare critical and creative thinking. Give examples            | (4) |
|   | b) List the different types of intelligences.                       | (2) |
| 3 | a) Discuss the steps involved in group problem solving.             | (3) |
|   | b) Define Team Performance Management (TPM) and draw the TPM cycle. | (3) |
| 4 | a) State Gilligan's theory of moral development                     | (4) |
|   | b) What are the moral issues related to engineering?                | (2) |
| 5 | a) Explain leadership grid with neat sketches.                      | (4) |
|   | b) List the important personality traits of effective leaders.      | (2) |

**PART B**

*Read carefully the following case and answer the questions given below, it carries 20 marks.*

**(Case study)**

Engineer A was a competent consulting engineer, specializing in manufacturing plant layout, but she was always very busy. A client asked Engineer A to review a proposed plant layout and prepare an evaluation report. Engineer A reluctantly agreed. Because of the pressure of other work, Engineer A assigned the task to an employee, Technologist B, who was experienced in construction, but had little background in plant layout. Technologist B did his best to evaluate the layout, but several key points were beyond his knowledge. Although he tried to get advice from Engineer A, he was unable to do so, because Engineer A was always too busy with her other projects. Technologist B finally prepared a draft report for Engineer A to correct and complete. Technologist B sent the report to Engineer A with a note saying that the report was an incomplete draft and that A should "give it detailed study." By this time, Engineer A was even busier than



before, and she had to complete several major tasks before going overseas for a month's vacation. Engineer A simply had her secretary reformat the draft report and print it on high-quality paper. Engineer A signed, sealed, and mailed the report, without even reading it. When the client received and read the report, he phoned Engineer A and said he was disgusted with the poor report and would not pay for it. Although Engineer A apologized profusely, the client insisted on sending the report to the Association and making a formal complaint. Engineer A admitted her negligence and received a reprimand from the Discipline Committee.

- 6 a) Identify the key players in this case. (2)
- b) What are the professional responsibilities neglected by the key players in this case? (4)
- c) What clauses of the Code of Ethics have been violated by Engineer A's actions? (5)  
What disciplinary actions could she expect?
- d) If you were Engineer A, what would you do at this point? (5)
- e) As engineers, what are the lessons learnt from this case? (4)

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**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
**FOURTH SEMESTER B.TECH DEGREE EXAMINATION(S), DECEMBER 2019**

**Course Code: HS210**

**Course Name: LIFE SKILLS**

Max. Marks: 50

Duration: 2 Hours

**PART A**

*Answer all questions, each carries 6 marks.*

Marks

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|---|--|-----|
| 1 | a) Imagine yourself as a newspaper correspondent of a national daily. The place where you reside is affected by flood. Write a letter to the editor reporting the destruction caused by the flood and the relief measures taken by the administration. | (6) |
| 2 | a) Discuss about the sources of creativity.  | (4) |
|   | b) Differentiate between convergent and divergent thinking.  | (2) |
| 3 | a) Discuss the techniques of group dynamics.   | (4) |
|   | b) List out the different types of Teams.  | (2) |
| 4 | a) Explain about Moral autonomy.   | (3) |
|   | b) What are the different types of enquiries?  | (3) |
| 5 | a) Differentiate between Transactional leader and Transformational Leader.   | (6) |

**PART B**

*Read carefully the following case and answer the questions given below, it carries 20 marks.*

**(Case study)**

Ajay Mishra, a senior IAS officer has come to be known as an eccentric officer thanks to his show of brutal honesty in public service. But his friends and colleagues who know him personally respect and love him a lot for his vast knowledge and affability. Recently he was shunted out of a prominent department as a punishment transfer as Managing Director to an ailing state cooperative milk federation. It was his fifth transfer in three years. Not able to cope up with her husband's frequent transfers to east-west and north-south parts of the state, Ajay's wife is sick for many years now and the children have moved out to foreign countries on the pretext of higher studies never to come back. The chairman of state milk federation is a powerful politician very close to the Chief Minister. Ajay, in his first month of duty itself comes to know about many irregularities in the functioning of the federation and high-handedness of the chairman in financial matters.

A board member belonging to a political party opposed to that of the chairman and who has a good chance of becoming chairman once the incumbent steps down or resigns, meets Ajay privately and hands over few documents and a secret video recording where the chairman appears to be demanding huge bribe for releasing funds to district milk unions. The video clearly shows that it is indeed the chairman asking a director of a district union for bribe. As soon as Ajay took over in charge as MD, the chairman was demanding speedy disbursement of funds to district unions which was pending for many months. Ajay confronted the board member why he didn't go public with the video himself. The member told him that he is actually blackmailing the chairman for some time now and he is not yielding to his threats as he is being shielded by the CM. The board member now wants MD to confront the chairman and go public himself as this would give the MD fame and public support. The board member has had requested leader of the opposition party to pressurize Ajay and it had worked too. Ajay is now being pressurized by prominent leaders of the opposition parties, privately, to go against the chairman. They are offering him a lucrative post in the capital once they come to power. And they want to embarrass the government. Ajay, if he confronts the chairman, is sure to be transferred immediately to a distant district again. His wife whose mental status is deteriorating day by day is not in a condition to move again to a new place. On the other hand, the opposition party is gaining ground in the state and is sure to come back to power soon. The board member wants to use Ajay for his political gain by using him as pawn.

- 6 a) Identify the key players in this case? (3)
- b) What should be Ajay Mishra's course of action in the present situation? (7)
- c) Are there any moral or ethical issues involved? If yes, explain. (5)
- d) How should Ajay Mishra deal with chief minister? (5)

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**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

Fourth semester B.Tech examinations (S), September 2020

**Course Code: HS210****Course Name: LIFE SKILLS**

Max. Marks: 50

Duration: 2 Hours

**PART A***Answer all questions, each carries 6 marks.*

Marks

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|---|----|---|-----|
| 1 | a) | What are the core rules of Netiquette?  | (4) |
|   | b) | What are the characteristics of a demi-official letter?                         | (2) |
| 2 | a) | Explain the six thinking hats method.   | (4) |
|   | b) | What is divergent thinking?   | (2) |
| 3 | a) | Explain TPM cycle.  | (4) |
|   | b) | List the various steps involved in group problem solving.                       | (2) |
| 4 | a) | Explain Gilligan's theory of moral development.                                 | (4) |
|   | b) | What are the senses of Engineering ethics?                                      | (2) |
| 5 | a) | Differentiate between transactional leadership and transformational leadership. | (4) |
|   | b) | List the major skills required for a leader.                                    | (2) |

**PART B***Read carefully the following case and answer the questions given below, it carries 20 marks.***(Case study)**

Professor Tilak is a senior faculty in a reputed engineering college in India. In the present academic year, he is guiding Mr. Kiran for final year MTech project work. In August, Mr. Kiran has chosen a topic and is approved by the guide. However, after selecting the topic, he joined a coaching centre to prepare for public sector jobs. His plan was to get a job as early as possible due to financial problems. Until February, he Ignored the MTech project and didn't work for it. Prof. Tilak sent repeated reminders during this period. Every time Mr. Kiran replied that the work is in progress and he will send the progress report as early as possible. However, he neither sent the progress report nor met the professor in person. In February, Mr. Kiran understood that he would not finish the work in the specified time. Afterward, he downloaded a similar work from the internet, made some changes, and sent it to the professor as the final project

report. Prof. Tilak checked the report using a plagiarism checker software (plagiarism: using someone's ideas without acknowledging it). The software reported a 90% similarity to previously published work. Furious with the student, Prof. Tilak reported the matter to HOD.

- 6 a) Identify the key players in this case. (2)
- b) What disciplinary action could Mr. Kiran expect from HOD? (4)
- c) What are the ethical issues associated with this case? (5)
- d) If you were in the place of Mr. Kiran, what will be your course of action from the beginning of the project work? (4)
- e) Do you consider plagiarism as a serious offence? What are the problems associated with plagiarism? (5)

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