**2m**

Distinguish between systems approach and contingency approach for

international business.

What are the roles a manager needs to perform in an organization?

Define planning premises.

Distinguish between policy and strategy.

List the steps in decision making process.

Specify the functions of management.

Define MBO.

What are the essential skills of Managers?

Distinguish between plan and goal.

List all the decision-making biases and errors.

Specify the functions of management.

Define Organization.

Interpret the importance of departmentalization in an organization

List down the types of departmentalization.

Outline the hurdles of effective communication

Explain the need for motivation in an organization

What is the purpose of organizing in management?

Explain the need for motivation in an organization

Illustrate the new organizational configurations.

Elaborate the various senses of engineering ethics.

What is the need for Ethics in the Engineering?

Compare and contrast morality and ethics.

Explain micro-ethics and macro-ethics with an example.

Summarize the three most important uses of ethical theories.

Define the term safety. How is it related to risk?

Compare and contrast consensus and controversy.

Which are the differing views of professionals?

Differentiate moral dilemma and moral autonomy.

Distinguish between responsibility and authority with an example.

What is a copyright of a product?

What is IPR and how it is different from a patent?

Explain whistle-blowing and mention its features.

Compare and contrast employee rights and profissional rights.

Summarize the internal and external responsibilities of engineers.

What is whistle blowing?

Explain about protecting privacy in cybersecurity ethics.

Explain controlling access flow in cyber security ethics.

"Is Cyber security the responsibility Of only security team in an organization"

Comment on our answer.

Outline the types of ethical frameworks in cyber security.

"Computers raise many difficult moral issues, many of them connected with basic moral

concerns." With proper justification. identify the important ethical issues in the cyber world.

Distinguish between patent and copyright.

Explain access flow control in cyber security ethics.

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**6m**

**Unit 1**

Outline the different types of planning in an organization.

Is management a science or Art? Discuss.

Explain the evolution of management in detail.

Compare and contrast systems approach and contingency approach for international

business. Derive your inferences on both approaches when applied for marketing a

product which was built in a start up company .

7. General Administrative Theories of Henry Fayol and Max Weber give contrasting

ideas. Discuss the key features of each.

8. Explain the classification of managers in detail.

**Unit 2**

Analyze the given situation and derive your inference about what could be done to prevent this from happening?

A doctor discharged a staff member who had been working for him

For nine months. She then claimed that her civil rights were violated and that she was discriminated against because of her age. She was 46 years old. During an investigation, the doctor was asked to provide copies other performance evaluations to justify the contention that the discharge was based on her performance, not her age. No performance valuations were given to any employees. This claim led to an out-of-court settlement.

Considerations

Ille employee had been with the doctor for nine months and had not received a performance appraisal. She claimed that she was not aware that her performance was not satisfactory and was surprised when she was terminated. She alleged that the sole reason for her discharge was her age — that the doctor wanted to hire a younger person. The doctor said she had been warned

on several occasions, but nothing had been documented. This is not an isolated incident: such claims are made against doctors every day.

Draw and explain the different types of Departmentalization

9. At the Emil SportingGoods factory in Canada, e150 workers make football used

in the National Football League, college and high school football games. In order to

achieve high productivity, the workers specialize in different tasks such as molding,

stitching and sewing, lacing, and so forth. Beyond a point, the management observed

that productivity started to degrade.

Using a suitable graph, illustrate the situation that the management has observed and

compare It with their performance earlier.

**Unit 3**

7. Outline the various senses of responsibility.

8. Give the pictographic representation and highlight the Kohlberg and Gilligan theories of

moral development. Summarize the criticisms for both theories.

9. Interpret the following scenario and give your opinion to prevent this from happening.

A doctor terminated a female staff member who had been working for him for nine months.

She then claimed that her civil rights were violated and that she was discriminated because

of her age. She was 46 years old. During an investigation, the doctor was asked to provide

copies of her performance evaluations to justify the contention that the termination was based on her performance, not her age. However, no performance evaluations had been done to any

employees. This claim led to an out-of-court settlement.

Considerations

The employee had been working with the doctor for nine months and had not received a

performance appraisal. She claimed that she was not aware that her performance was not

satisfactory and was surprised when she was terminated. She alleged that the sole reason for

her termination was her age

— that the doctor wanted to hire a younger person. The doctor

said she had been warned on several occasions but nothing had been documented.

7. Explain the different models of professional engineers.

Summarize the Kohlberg's and Gilligan's theory for moral autonomy.

9. Rajiv is an IAS aspirant. He studied in two premier institutions and worke or a w e In

an IT company. He quit the job and started preparing for the civil services exams. In his first

attempt he wrote mains but could not qualify for the personality test. In next two attempts.

however. he gave interviews but fate had it that his name did not appear in the final list. In

all three attempts he had scored less in Mains and in two interviews his score was average it'

not bad.

Coming under General Merit, Rajiv had only four attempts to get into IAS. For the last

attempt, he decided to take a break of one year and prepare extremely well giving no chance to fate. By then he had spent five years just for preparing for this exam with no job in hand.

He did prepare well and easily sailed through the Preliminary and Mains exam. For his final

interview, Rajiv. prepared himself very well. He read widely. He contacted his peers and

well wishers. talked to them extensively and took feedback on his body language :and

communication skills. He took mock tests at prominent institutions and got a very positive

feedback. His confidence was at an all time high. By the time interview call letter came.

Rajiv was fully ready to face his final test to realize the dream of becoming an IAS officer.

On the previous day of his interview. Rajiv talked to his parents. girlfriend and teachers and

sought their wishes. He had a sound sleep too. His interview was scheduled in the second session i.e. in the afternoon. On the day of his

interview. in the morning Rajiv was calm. composed and had a friendly chat with fellow

aspirants who had stayed together in a friend's room.

He had his lunch and left room in his bike half an hour before the scheduled time Of his

appearance at UPSC office.

Rajiv was riding his bike with lots of thoughts in his mind. The road was almost empty. As

he was riding. just in front of him, a speeding bike collided with the road divider. Seeing

this. Rajiv stopped his bike for a minute and went near the accident scene. A man, crying

with pain was lying in a pool of blood and a girl child, around 5 year Old, was lying

unconscious next to the man. Rajiv looked around for help, but two or three cars sped away

without stopping by.

Rajiv had to be at UPSC office in IO minutes. If not he would forever lose his dream of

becoming an IAS officer.

In this situation. how Raiiv could deal with moral dilemma? Analyse and justify our answer.

**Unit 4**

Dr. Ramerio is a leading researcher in her field. She oversees a laboratory with 5 full-time employees and three graduate assistants. She has been given funding to create a position for a laboratory manager. The responsibilities of the manager position include overseeing the budget, developing operating procedures. scheduling work, ordering supplies, and taking care of personnel matters. Dr. Ramerio would like to hire her husband in this position. To avoid issues of nepotism, she asked her colleague, who is also the assistant department head. to chair the search committee and to recommend the top candidate to the department head. The top candidate turns out to Dr.Ramerio's husband. Dr. Ramerio is not involved with the search committee and does not interview any of the candidates. "Ille department head approves the hiring of her husband. Again, to avoid violating the nepotism policy. the responsibility for evaluating and recommending salary increases for her husband is delegated to the assistant department head.

Examine the given scenario and infer whether there is contlict of interest. Justify our answer'?

9. Identify the key differences between the "Authority and Responsibility" when it is applied

to top level and middle level manners with an exampIe. Justify our answer.

Examine the list of consensus and controversy behaviors that could exist in the production environments where employees form the unions in an organization.

8. List down the various steps involved in collective bargaining using a suitable flow chart.

In 2015, the National Health Service (NHS) estimated that around 100,000 people die as

a result of smoking each year in the UK According to the UK's Office for National Statistics,

in 2014 19% of the British population (around 12 million people) were smokers.

a. Identify and interpret if this risk is acceptable to smokers.

b. Identify whether a risk associated with traveling on the railways is acceptable.

**Unit 5**

Classify the three ethical frameworks with appropriate diagrams.

8. Explain the five phases in dealing with Intrusion from both attacker and defender

perspective.

7. Discuss the various types of computer crimes.

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**10m**

**Unit 1**

Summarize about decision making process with suitable example.

**(OR)**

Explain about the evolution of management thought in different experts.

Identify the main characteristics of the five different types of business organizations

mentioned below with illustrations.

Partnership

Corporation

Sole proprietorship

Cooperative

Limited liability company

Select an appropriate type of business form which is more applicable for IT

co orate companies.

Distinguish a strong cultured organization from a weak cultured organization. Identify

the major steps involved to establish and maintain a strong organizational culture in a

production -based company

Flipkart is an e-commerce company founded in the year 2007 by Sachin Bansal and

Binny Bansal. The company is registered in Singapore, but has its headquarters in

Bangaluru, India. The company seeks to increase traffic (more clicks on their products)

and boost sales and revenue through integration of Mobile Apps. Display, Pay Per Click

and Search Engine Optimization. In order to dispel the fear of people related to shopping

online, Flipkart was the first company to implement the popular 'Cash on Delivery'

facility. All the products sold by the company under a particular category may have

different return/replacement period. Flipkart allows multiple payment options such as

cash on delivery, credit or debit card transactions, net banking, e-gift voucher and card

swipe on delivery. The company operates both ways when an order is received. The

products for which it holds inventory are dispatched by it directly. For the products they

do not store in inventory, they just send the order received by them to the supplier who

ships it. The company plans to spend about 75 crores on e-Commerce advertising in the

year 2016. Flipkart reserves the right to terminate your membership and/or refuse to

provide you with access to the website if it is brought to Flipkart's notice or if it is

discovered that you are under the age of 18 years. This is because as per the Indian

Contract Act, 1 872, the minors, un-discharged insolvents, etc. are not eligible to use the

website.

In context of the above case, identify the different types of plans and explain them based on

following aspects to be done by Flipkart.

Objectives

Strategy

Policy

Method

Procedure

Budget

Rule

13. Consider the given scenario with different situations.

SITUATION 1

Suzy is a very pretty girl. She has a beautiful face and beautiful hair. She is not very

happy with her body size. She weighs about fifteen pounds more than her friends. Suzy

says, "My friends are so much prettier than I am. I am so fat. I wish I could be as skinny

as they are." She also says, "It's not fair that you guys are so skinny and I am fat."

When Suzy comes home from school she is starved to death. She is a picky eater. She

doesn't like the things they serve at lunch, so she spends her lunch money in the candy

and Coke machine at school. When she gets home from school, she makes herself an

extra-large milkshake because she is so hungry.

What choices does Suzy have about weighing more than she wants? Are there different

choices that she could make about her diet to enable her to be the way she wants to be?

SITUATION 2

Fred loves clothes. His favorite activity is to go shopping at the mall and try on new

clothes. He looks forward to the day when he has a job so he can buy all the clothes he

wants.

Next week is Fred's birthday and he will receive $75.00 for his present. He saw a pair of

jeans at the mall that were $72.00; however, he also needs new shirts, new shorts, and

some swim trunks for the summer. His $75.00 could purchase all of these things or it

could purchase the one pair of designer jeans.

All the kids at school wear these jeans. Fred states, "If only I had a pair of these jeans, I

would be popular." I low could Fred make a wise decision? What would you do?

SITUATION 3

Katie loves clothes. She wishes she could have all the designer clothes she wants.

Unfortunately, she can't; she has two brothers and three sisters. and her parents cannot

afford to buy all their children designer clothes.

Katie has a few friends that have some designer jeans. Her friends let her borrow the

jeans. even though this is against her parents' wishes. Her parents felt that Katie should

not borrow them in case something were to happen to them. In that case. they would

need to purchase an outfit to replace the damaged one.

One day on the way home from school, Katie tripped and fell on her knees. She tore holes

in both knees of the designer jeans she had borrowed from her friend, Julie. Katie was

crying. not only because she had injured her knees, but because the new jeans were ruined

and they weren't even hers.

What is Katie going to do? Should she tell her parents? Should she tell Julie? What

decisions should Katie have made prior to borrowing the jeans? Does Katie have an

obligation to Julie?

SITUATION 4

Steve is fourteen and has taken piano lessons since he was five. He feels that he misses

out on many fun activities because he has to practice everyday after school. He wants to

quit piano lessons, but his mother will not allow him to; she says. "If you quit the piano

now you'll he sorry when you get older." Steve wants to quit anyway.

What other options could Steve and his mother find? Is there a compromise that they can

make to satisfy both of them?

Make use of the given scenarios to answer the following questions:

Identify the problem in all these situations.

Gather information: What information should the person (decision maker) gather

that would be helpful to know before making a decision?

Consider the outcome. What would be the results of the decision?

Make the decision. What should the person do?

Evaluate your decision, Why do you think this is the best decision possible?

IO. Comnpare and contrast quantitative approach and contingency approach for

International business. NMK IS a start-up company that designs mini robots for water quality assessment.

Derive your Infercences on both approaches when applied for marketing these mini-

Robots

Distinguish a strong cultured organization from a weak cultured organization.

Las Vegas Productions is a production company. In order to establish and

maintain it as a strong cultured organization right from its launching, identify the

major steps involved.

Consider the following scenarios:

Scenario 1:

Kumar is a mid-level manager. He keeps all his subordinates undcr a lot of

discipline. His employees complain about the waste of time and effort, as they

feel that nothing is being assigned in a proper way and a proper place, )lso 00

proper schedule is made for working.

Scenario 2:

ABC is a company which takes care of the fact that the confidence of the

employees should always be at its peak. For this reason, they give assurance to

their employees for employment for a minimum fixed tenure of time.

a. Identify which principle of management is violated in scenario l. Infer from

the scenario and suggest a suitable managerial solution to overcome it.

b. Identify which principle of management is followed in scenario 2. How this

principle supports your claim?

13. Consider the following scenarios:

Scenario l:

Ram is the owner of a printing press. The size of his organization has increased

during the recent past. There are many employees who work in his organization.

The organization is considered good and has earned a lot of reputation in the

market. However, when it comes to making key decisions in the organization, he

never considers the opinions of his subordinates. Even though the size of the

organization has increased he tries to take all the key decisions on his own.

Scenario 2:

Pritam Vehicles is a vehicle manufacturing company. The company has the same

unit producing both lorries and vans. This leads to confusion among the employees

regarding the reporting as well as differentiation of work.

a. Identify the managerial approach he is following in scenario l. Give a

suggestion in order to overcome this issue with suitable justification.

b. Identify which principle of Fayol is violated in scenario 2. Why? State the

principle. Give an immediate outcome of the violation of this principle.

**Unit 2**

IO. Having a car to get to work is a necessity for many workers. When two crucial

employees ofVurv Technology in Jacksonville, Florida, had trouble getting to work, owner

Derek Mercer decided to buy two inexpensive used cars for the employees. He said, "I felt

that they were good employees and a valuable asset to the company."

One of the employees who got one of the cars said, "It wasn't the nicest car. It wasn't the

prettiest car. But it is an ovenvhellüing feeling of worry replaced by enlightenment. The

80-hour weeks we worked after that never meant anything. It was "give and take". I was

giving and the company was definitely giving back.

a. Examine what motivated the employees.

b. Infer which motivational theory well suits the above mentioned scenario.

**(OR)**

I l. You are appointed as a Human Resource Manager to Qubitnew Company. It is a well-

established organization. Design a suitable HR Management Process with a suitable

diagram for recruiting new employees in the company.

You're the squadron executive officer and 2d Lt Brown's reporting official.

Lieutenant Brown, who was a physical education major in college, has been

on active duty for I year and is assigned as an administrative officer in a

tactical fighter squadron. He wanted to be an Air Force pilot, but there was

no demand for pilots when he joined the Air Force. He accepted an

assignment as an Force Support offcer and completed AFROTC and his

technical school, hoping to be accepted for undergraduate pilot training

(UPT) later. He hasn't been accepted and was notified a month ago that there

probably won't be any openings in UPT for at least I more year. He isn't

satisfied with his present assignment and, to this point, has not shown any

interest in his job. He refuses to get involved in any decision making or

management problems in his unit. He tells his NCOs to handle all problems

and not to get him involved since he's only interested in becoming a pilot. He

has also displayed this same attitude to your supervisor, the squadron

commander, and a lieutenant colonel.

In addition, 2d Lt Brown feels the Air Force isn't putting his education to

proper use, because his degree is in physical education. He's an exceptional

athlete and was recently selected as the most valuable player on the base

softball team, which he also coaches. Because of his athletic ability and the

success of the team, he's very popular with many of the key personnel on

base who speak very highly of him to his commander.

Lieutenant Brown spends most of his off-duty time, and a considerable part

of each duty day. organizing and participating in the base athletic program.

Last week, 2d Lt Brown's unit was inspected by a standardization team from

higher headquarters, which identified an absence ot' supervision in 2d Lt

Brown's area of responsibility.

Inspect the given scenario and the squadron commander asks you what you

think should be done about the situation. How will you resolve this problem ?

**(OR)**

Seth Kehne, the owner of Lawn Butler in East Tennessee, started his

company in 1999. Ile watched it grow slowly from a small side business, then

suddenly he realized revenue had doubled. But because the growth was

gradual, he never took steps to put a management system in place for a larger

company. With everyone reporting to Kehne, he was stretched thin. It limited

the company's growth because managers didn't feel they had the freedom to

do their jobs without his approval. Plus, as the chief executive officer, Kehne

was working too many hours '"nanaging instead of delegating."

Analyze and identify the steps involved in effective delegation of tasks to the

team members for the given scenario.

Consider that a cultural event is organized in an educational institution where there are

many events organized. The outcome of the event will be connected to the reputation Of the

institution. Consider the list of events and select the list of events which could be centralized

and decentralized for the smooth conduct of cultural events. Analyse and comment on your

answer.

On the stage events

Inauguration

Singing

Mimic a dance

Variety Show

Talent hunt

Indian dance

Movie Dub

Western Dance

Shon Film

Fashion Show

Valedictory Function

Off the stage events

Flower Arrangements

Mobile Case Designing

Nail Art

Mobile Photography

Bridal Mehendi

Design a Poster Ad for Midas 2019

Candle Art

Tatoo Art

Pot Panning

Jewellery Designing.

11. Examine the steps involved in job advertisement. selection. recruitment and orientation

for recruitment and on-board process in an IT company. Discuss about the best strategies

followed by the recruiters to select ana appropriate candidate for a role.

Peter Weaver doesn't like to follow the crowd. He thinks groupthink is a common problem

in many organizations. This former director of marketing for a consumer products company

believes differences of opinion should be heard and appreciated. As Weaver stateS. "l have

always believed I should speak for what I believe to be true."

He demonstrated his belief in being direct and candid throughout his career. On one occasion.

he was assigned to market Paul's spaghetti-sauce products. During the brand review. the

company president said. "Our spaghetti sauce is losing out to price-cutting competitors. We

need to cut our prices!"

Peter found the courage to say he disagreed with the president. He then explained the product

line needed more variety and a larger advertising budget. Prices should not be cut. The

president accepted Weaver's reasoning. Later. his supervisor approached him and said. "l

wanted to say that. but I just didn't have the courage to caallenge the president."

On another occasion. the president sent Weaver and 16 other executives to a weeklong

seminar on strategic planning. Weaver soon concluded the consultants were off base and

going down the wrong path. Between sessions. most of lhe other executives indicated they

didn't think the consultants were on the right path. The consultants heard about the dissent

and dramatically asked participants whether they were in or out. Those who said "Out" had

to leave immediately.

As the consultants went around the room. every executive who privately grumbled about the

session said "In." Weaver was fourth from last. When it was his turn, he said "Out" and left

the room.

All leaders spend time in reflection and self-examination to identify what they truly believe

and value. Their beliefs are tested and fine-tuned over time. True leaders can tell you. without

hesitation, what they believe and why. They don't need a teleprompter to remind them of

their core beliefs. And. they find the courage to speak up even when they know to others will disagree.

What leadership traits did Weaver exhibit?

If you were in Weaver's shoes. what would you have done?

Where does courage come from?

List your three most important values.

13. Consider the scenario given below. dissect and plan the activities which could be

delegated by the manager to the team members.

Jane is a senior manager at an IT firm and has a team member Amanda who reports directly

to her. Things have not been smooth for them for the last few weeks. In the last project that

Jane delegated to Amanda. she started to feel she would be better off doing it herself. While

Amanda is willing to take on additional assignments. she just doesn't seem to be willing to

be responsible for the assignment. She won't do anything without first checking in with Jane.

The last time Amanda came into the office. Jane told her to forget what she is doing. and

she'll give it to someone else who can handle the assignment. Aner Amanda left. Brian

realized she didn't handle that well. Jane later sat down with Amanda to discuss the situation

further and figured out how best to proceed in collaboration with Amanda. She apologized

to Amanda for how she handled the last encounter and realized that she had to delegate the

tasks differently to Amanda.

She asked Amanda to help her understand why she feels like she cannot take steps to

complete an assignment. Through an honest conversation with Amanda, Jane learned how

best to delegate to Amanda. Through a conversation, Jane learned more about her skills and

experiences and where her comfort level is. This will enable Jane to manage delegated

assignments more effectively

**Unit 3**

A woman is sexually harassed by a top-level senior executive in a large

company. She sues the company, and during settlement discussions she is

offered an extremely large monetary settlement. In the agreement, the woman

is required to confirm that the executive did nothing wrong, and after the

agreement is signed the woman is prohibited from discussing anything about

the incident publicly. Before the date scheduled to sign the settlement

agreement, the woman's lawyer mentions that she has heard the executive has

done this before, and the settlement amount is very large because the

company probably had a legal obligation to dismiss the executive previously.

The company, however, wants to keep the executive because he is a big

money maker for the company.

Identify the issues of integrity, ethics and law posed in the case study?

Examine the scenario and identify the options does the woman have, and what

should she do and why?

**(OR)**

Identify the ethics of Machine Learning algorithms to be applied on the

design of autonomous vehicles.

Examine the list of consensus and controversy behaviours that could exist in the

production environments where empIoyees form the unions in an organization.

**(OR)**

Analyze the given scenario and answer the given questions.

A professor needing funding for her medical research on the causes and cures for

a disease accepted a large, multi-year grant from a pharmaceutical company. The

research tested the efficacy of medicines currently on the market, including a

medicine produced by a pharmaceutical company. The research results suggested

that the pharmaceutical company's medicine did have a positive effect, but the

research also contained some ambiguous data that could be interpreted as

demonstrating that the medicine has a negative side effect on some patients. As a

condition of the rant the professor was required to submit a preliminary draft of

the report to the pharmaceutical company, for review and feedback. The professor

submitted the report as required, and the pharmaceutical company wrote back to

ask whether the professor would consider deleting the ambiguous data, as it may

reflect badly on the pharmaceutical company and it is not strong data to begin

with. The professor has reached the end of thc grant funding, and to continue the

research would need to get additional funding, with one obvious source of funding

being the pharmaceutical company.

Identify the ethical goals that guide a medical researcher's profession?

Does the professor have any ethical obligation to patients who might

experience a negative side efTect?

Is the professor in a conflict of interest, and if yes, exactly what is the conflict

or conflicts?

Can the professor ignore what seems to be a conflict of interest, and just adopt

the principle that any ambiguous data in this research can be deleted?

Should the professor have taken the grant, knowing that the research would

have to be submitted for review by the pharmaceutical company?

12. Smith and Tom work in an experimental testing laboratory for Acme Corp. Smith has

been the main testing engineer for five years and is up for promotion to laboratory

supervisor (includes the testing laboratory and several other laboratories). Tom is being

trained as a potential replacement as the testing engineer. The laboratories division

supervisor is Brown who is retiring soon.

The company's latest development project is an OEM control module for a well water

pump. The pump manufacturer has promised an important contract if the module meets

their approval. The original module prototype met the desired specifications with the

exception of the temperature test. The prototype was sent back to the development

engineers for rework. The next iteration of the module I,vas sent to the testing laboratory for

testing, but the temperature test was delayed since the needed equipment was out for

recalibration.

Tom wrote the report for the original prototype and the draft report for the reworked

prototype. At the weekly laboratory's division meeting, Smith reports to Brown that the

latest module "meets all tests" and that the report has "good number of" equipments for

temperature test. Tom questions Smith privately after the meeting since his draft report

indicated that temperature testing was delayed. Smith says that the development team fix

should be satisfactory, i.e. it was confirmed through simulation, and that they can do

further testing later to confirm the simulation numbers once the needed testing equipment

is returned.

Smith says that a positive report to the manufacturer cannot be delayed or their testing

laboratory "looks bad" and the contract could be at risk. Then, Tom privately speaks to

Brown about the situation includin his concern that his (Tom) name is on the overall

testing report. Brown tells him that Smith is responsible for the details in the report and that

(Tom) should learn to work with Smith if he wants to take over the testing laboratory.

a. Examine the ethical questions in this situation.

b. Analyze the scenario and give your insights about Tom's behaviour.

c. After the private conversations with Smith and Brown, examine whether Tom has

an ethical responsibility to speak to Smith again or not?

**(OR)**

Bart Matthews, a robot operator at Cybernetics, Inc., has been killed by an out-of-control

Obot named Robbie. The creator of the robot, Silicon Technologies, is also in a tight

financial position and had hoped that the robot would put the company back on its feet.

has been determined that several situations contibuted to the death of Matthews:

• Improper methodology was used in developing the software.

Testing of the software was faked.

• The company pressured Robbie's creators to bypass testing.

• Part of the software used in the robot was stolen from another vendor's application.

• The programmer did not understand or know the code which he used.

Security measures used were illegal, and therefore all information gathered in regard

to the case might not be permissible in court.

• The project leader did not understand or use proper design methodologies.

• The end-user interface was designed improperly

a. With suitable justification, inspect who is at fault.

b. Analyze the situations that are unethical.

c. From the given situation, give your inference regarding the major contributor/s to

the death of Bart Matthews.

**Unit 4**

Consider a person working in a X Y Z, company. His role started off as a

receptionist, then expanded over time to bookkeeping. payroll, invoicing, and

computer maintenance. Ile did not have any formal qualifications to

undertake this role. He had a long-standing history of financial difficulty and

accumulating debt. There was also a long-standing gambling addiction that

worsened over time. I le was having problems at work managing the load. and

to assist in coping with the stresses, he would gamble at night. cycle of

excessive gambling and alcohol abuse got out of hand. All of the money he

took from the workplace wus gambled away.

Examine the given scenario and identify the type of white-collar crime

committed by a person in the company. Derive your inference and the steps

to be taken by the company to prevent such crimes in future.

**(OR)**

Cheryl Spragg, an employee of Richemont (UK), which owns luxury brands

including Cartier and Montblanc, was spied on by her employer, denied the

opportunity to progress within the company and was bullied by HR and other

staff members as a result of her skin colour.

Following a back injury, Richemont placed Cheryl under close surveillance

for a number of days, following her to a wedding and even receiving images

of her home and garden. Undoubtedly, this act was unnerving, intimidating

and upsetting for her. Cheryl was also refused internal progression on the

basis that she was black and had applied for the same post on three different

occasions, with all three of the recruitment decisions being made by the same

people. It was found that the company preferred white Europeans and the

judge ruling in Cheryl's claim against race discrimination in the workplace

agrees that this was an act of direct discrimination since there was a lack of

transparency and properly structured processes for scoring, marking and

record-keeping as well as a complete absence of interview records. The HR

team had no equality and diversity training and there were no black staff

members at a senior level or on the HR team.

In addition, Cheryl had been subject to bullying when other staff members

refused to enter a lift with her which was found as a violation of her dignity.

These employees were said to have laughed and pulled faces when Cheryl

held the lift door open for them — they walked straight passed and waited for

another lift to come. This incident meets the very definition of harassment

under the Equality Act 2010. When Cheryl complained to the IIR department

about the various events which she considered to be discriminatory, she was

told to look for a new job and was accused of causing her colleagues distress.

She was even told in an email from the IIR team that she wasn't the only

'black member of stall' within her team and no other racism allegations had

been raised in the past.

Cheryl files the case against the company. after the judge heard Cheryl's case

and considered the evidence. she won her claim and was awarded

compensation for the traumatic and humiliating experience.

Analyze the given scenario and answer the following questions

i.ldentify the type of discrimination at the workplace

ii.List down the activities carried out by staff members of a company

towards Cheryl.

iii.ls the suggestion given by the HR department acceptable? Comment on

your answer.

iv.ls the action taken by the Cheryl correct? Comment on your answer.

v.ldentify the type of problem could Cheryl face in future when she

applies for new job opportunities at different companies.

12. Make use of the statement: "The responsibility of engineering is high in the design of

product in the design stage itself before the event of an accident." Derive your inference

with respect to the cause for Bhopal disaster.

**(OR)**

13. Consider the scenarios given below, dissect and infer the type of discrimination is

followed in the workplace.

Harris, Pritchard, Rabins' book...- On a business trip three engineers Jane (feminine),

Joe (masculine), and Jim (the male engineer at the site being visited) and others go

out after work 101' a social-type dinner. 'I'he site ey:giraeer Jira sits between Jane and

Joe and other business types sit across the table. During dinner Jim mostly talks io

Jane - mostly shop. Dinner is over and Jim gets up and says to Joe: "Sorry that we

did not have more time to talk but Jane is a lot better looking". Write your opinion

on this.

When I worked at company XYZ a supervisor and I were discussing some of my

colleagues. We had just begun to discuss the only two female engineers who worked

at XYZ and I asked why one of them had not been promoted. She had been doing

good work for the company for years, and still was working on CAD, a job usually

reserved for technicians and/or new engineers. His reply was (paraphrasing): "It's

just as well, women are much better at tedious tasks than men." What should the

engineer do?

I have not witnessed sexual harassment, but I do feel I have witnessed

discrimination. I was hired to do research for the summer because I was "diverse,"

a woman in ECE. My qualifications were not considered for the application.

Although this would seem advantageous, I sensed that I was inferior to my co-

workers, since very few would talk to me or would just ignore me, even though I

went above and beyond their expectations. What should the woman do?

Technologienlly Advanced nations. induqtries that hove found

rcstneted by safety regulations have resorted tc their products on—or moving their

ptiAloction l'tx»cesses G-less.developed countries where higher riqks

arc the dumping of ungnrc or inc!Yective drugg in Third World countrieq by

Phnnnneenticnl conysanies from highly industfinlitcd countrieq ond in the the trnnqfcr

ot' nsbcstos wastes from the United Stntcs to Mexico. More recently. toxic wastes—from

'cod-acid bntteries to nuclear wastes—have been nddcd to the list of "exports."

a, Examine the perception of risk and justify the ttnngfcr of nuch merchnndiqe and

production processes to othet countries,

b. Analyze if this netivity can or should bc regulated.

Consider the following scenarios and atvwer the given questions,

Scenario l: An opening orises for chemical pjnnt mnnnger. Nonunlly. such positions are

filled by promotions nvm within the plant. The best-qualified person in tenns oftnuntng und

years of experience is nn African-American engineer. Mnnngcmont believes. however. that

the mAiority of workcrs in the plnnt would be dissatisfied with the appointment ofa nonwhite

manager. They fear lessened employee cooperation and efficiency.

Secnnrio 2: The majority of employers have adopted mandatory random drug testing on their close observation. thereby rilising questions about personal privacy as well as privacy issues

about drug use away from the workplace that is revenlcd by the tests,

a. Inspect the difference in views of both scenarios.

b. Devise a method to prevent such scenarios

**Unit 5**

Explain the five phases in dealing with Intrusion from both attacker and

defender perspective.

**(OR)**

Interpret the importance of fostering responsibility and asserting ownership

in an organization to prevent cybersecurity attacks.

12. Liz, an engineer, develops a program used on a tool in developing other programs

assigned to her. Subsequently, she changes jobs and takes the only copy of the first program

with her for use in her new job.

Scenario 1: Suppose, the program was developed on company time under the first

employer's explicit directives.

Scenario 2: As a variant situation, however, suppose the progtnm wag not written under

direct assignment from the first employer but undertaken by the engineer ut her

discretion to help her with her regular work assignments,

Scenario 3: Suppose also that to a Iarge extent, the program was developed on her own time

on weekends, although she did use the employer's facilities and computer service. Explain

the ethical questions in this situation.

a. Analyze the three scenarios and justify whether the employer owns the program.

b. Examine if she is required to obtain the employer's permission before using it on the new job

13. In June 9, 2009 the Ministry of Industry and Information Technology publicly released

a directive stating that beginning July l, 2009 all computers sold in a country would be

required to include Green Dam Youth Escort software, an internet filtering program that

restlicts access to objectionable material throUgh a combination of keyword search

restrictions and blocks of images containing larde amounts of specific colors. There IS a

conceal' that the software can be used by the goQernment to monitor all internet use, and

there is even suspicion that the software can be used to intrude on individuals' privacy in

other ways.

The Ministry claimed that the Green Dam requirement was intended to prevent children from

viewing violent and restricted sites, but critics argued that the mandatory installation of

Green Dam software represented a broad form of monitoring and censorship of internet use

and content by the government, including politically-sensitive material. At the time the

ofticual directive was released, only 20 days remained before the requirement went into

effect. limiting time for public discussion and creating logistical difficulties for PC

manufacturers.

You have been concerned that the software module that you are working on could be used

by the Government to monitor citizen internet used Such government intrusion on privacy is

at odds with your values and ethics, but so far it is just a hunch. Organizations and

Governments have valid reasons for Manting to monitor the activities of employees and

citizens. They are concerned with competitive , sabotage and spying; trade, diplomatic,

or military secrets and national/corporate security breaches; and simply worker productivity.

Yet privacy and freedom of speech are core values in democratic societies.

a. Exaniine your thoughts on how the interests can and should be balanced.

b. Analyze the procedures or safeguards that should be done.