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### Section 1 - Professional Ethics and Sustainability

**QLabel : Q1**

Q3076839) A group of software developers forms a peer-review board to evaluate the quality of each other's code before it is released to the public. They do not have external oversight or regulation. Which characteristic of a profession does this scenario best exemplify?

- A) The performance can only be judged by peers
- B) Self-regulation
- C) Advanced expertise
- D) Concerted service to the public good

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**QLabel : Q2**

Q3076840) A factory worker and an engineer are both involved in the construction of a new machine. The factory worker assembles parts based on detailed instructions, and the engineer diagnoses a critical flaw in the design using complex calculations and theoretical principles. What is the most significant difference between the two roles that classifies one as a 'professional' and the other as a 'worker'?

- A) The engineer's performance can only be judged by other engineers, while the worker's can be judged by a supervisor.
- B) The engineer is self-regulated, while the worker is not.
- C) The engineer's work directly serves the public good, while the worker's does not.
- D) The engineer's tasks require advanced expertise and are complex, whereas the worker's tasks are based on instructions.

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**QLabel : Q3**

Q3076841) An architect is tasked with designing a new public library. To ensure the design is functional and safe, they must use their specialized knowledge of structural engineering, local building codes, and accessibility standards. This is a task that a person without similar and relevant training could not adequately perform. This scenario is an example of which two characteristics of a profession?

- A) Self-regulation and concerted service to the public good
  - B) The performance can only be judged by peers and concerted service to the public good
  - C) Advanced expertise and tasks so complex that quality cannot be judged by outsiders
  - D) Advanced expertise and self-regulation
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**QLabel : Q4**

Q3076842) A software engineer designs a new algorithm for a social media platform that changes the way users' news feeds are ordered. After a few months, it becomes clear that this new algorithm is causing a significant decline in user engagement and mental well-being. What is the most likely professional responsibility the engineer failed to uphold?

- A) The engineer did not possess a vast body of complex knowledge.
  - B) The engineer failed to deal with high-stake activities,
  - C) The engineer did not engage in research to create new knowledge.
  - D) The engineer's work required an academic study of only five to seven years.
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**QLabel : Q5**

Q3076843) A civil engineer is designing a bridge. He has to consider not only the structural integrity but also the environmental impact, the needs of the local community, and the long-term maintenance costs. According to the text, why does this scenario demonstrate the complexity of professional knowledge?

- A) It requires many years of study at a higher level to acquire the knowledge.
  - B) It requires the engineer to deal with high-stake activities.
  - C) It demands a Ph.D. or super-specialization for mastery.
  - D) It involves understanding the relationship between different components of a vast body of knowledge.
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**QLabel : Q6**

Q3076844) A teacher of chemistry has a class with students from diverse backgrounds, each with different learning styles and academic needs. To be effective, the teacher must tailor their teaching methods for individual students. What does this situation exemplify about the application of professional knowledge?

- A) It is the responsibility of a professional to satisfy the client
  - B) It is a high-stake activity that can affect the students' careers
  - C) It is a responsibility of professionals to learn from other fellow professionals.
  - D) It requires a research degree such as a Ph.D. to deal with the complexity
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**QLabel : Q7**

Q3076845) A highly experienced trader makes a profit for his company by accurately predicting market trends. He has a lot of expertise in his field. Based on the definition provided by Bayles (1989), why would a trader likely not be considered a 'professional' in the same sense as a doctor or a lawyer?

- A) Traders do not possess advanced expertise.
  - B) The quality of a trader's performance can be judged by anyone looking at the financial results.
  - C) A trader's primary goal is often profit, not a concerted service to the public good.
  - D) Traders are regulated by the government, not themselves.
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**QLabel : Q8**

Q3076846) An experienced plumber installs a new water heater in a home. During the installation, he makes a small error that causes a minor leak, which a very less uneducated homeowner easily discovers and fixes themselves. Why would this situation likely not be considered a "high stake" activity, as compared to the work of a professional?

- A) The homeowner was able to rectify the mistake without professional help.
  - B) The plumber's work is not supervised by another professional.
  - C) The plumber's mistake did not affect a large number of people.
  - D) The plumber's work requires a vast and complex body of knowledge.
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**QLabel : Q9**

Q3076847) A customer purchases a new car with specific features and a warranty. Six months later, the car's engine fails, and the customer returns it to the dealership, demanding a replacement as per the warranty. According to the text, why is this transaction fundamentally different from a patient-doctor relationship?

- A) The car dealership operates on a high-stakes basis, similar to a professional's work.
  - B) The customer can define the quality of the product in advance and has a clear recourse if it fails.
  - C) The car is a more complex product than the services provided by a professional.
  - D) The customer does not have to pay for the car in advance, unlike a patient.
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**QLabel : Q10**

Q3076848) A university is criticised for its low job placement rates for graduates, despite the students consistently scoring high marks. Which of the following is a potential reason for this discrepancy?

- A) The teachers were not putting in their best efforts in teaching the subjects
  - B) The examination system was too stringent, and marks did not reflect true abilities.
  - C) The students were not getting the necessary orientation from the university to get placement.
  - D) The curriculum of the program was obsolete or irrelevant to the job market.
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**QLabel : Q11**

Q3076849) A group of software engineers forms a governing body that creates a mandatory code of conduct and a system for peer review of projects to maintain quality standards and public trust. Which aspects of characteristic of profession are they primarily demonstrating?

- A) Projects are given by government and therefore review is mandatory
  - B) The power relationship between clients and professionals is difficult for the client to overcome.
  - C) Self-regulation is a necessity for professions to maintain their prestige and public trust.
  - D) Professionals must continuously create new knowledge in their field.
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**QLabel : Q12**

Q3076850) What is the primary difference between a profession and other occupations, such as a politician or a businessman,

- A) Professions must be self-regulating because their work is too complex for the public to judge, unlike other occupations.
  - B) Politicians and businessmen are not required to be honest or sincere in their work.
  - C) Professionals deal with higher stakes activities than politicians or businessmen.
  - D) All other occupations can be judged by market forces, but professions cannot.
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**QLabel : Q13**

Q3076851) Which of the following is an example of an external regulatory body in a profession's self-regulation?

- A) The All India Council of Technical Education (AICTE)
  - B) A professional's insurance company paying compensation for a lawsuit.
  - C) A committee of three other professors appointed by a judge to examine a student's marks.
  - D) An external board or university affiliating with an educational institute to conduct examinations.
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**QLabel : Q14**

Q3076852) A modern technical teacher creates a personalized learning plan for each of their students, offering extra help and guidance outside of class hours. This teacher's approach is most aligned with which characteristic of the Guru-Shishya Parampara?

- A) The tradition of intellectual debates and discourses- Shastraarth
  - B) The formal initiation ceremony where a Guru accepts a Shishya.
  - C) The Guru's responsibility to help disciples' progress and build a strong relationship.
  - D) The custom of the Shishya giving a gift indicating gratitude- GuruDakshina
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**QLabel : Q15**

Q3076853) A technical college professor, acting as a mentor, takes a group of students on a tour of a local manufacturing plant to demonstrate real-world applications of their classroom learning. This action is an example of adapting which characteristic of the Gurukul system?

- A) Students living with the Guru full time in a Gurukul
  - B) The practice of oral tradition to pass on knowledge.
  - C) The process of briefly and systematically recording teachings in Upanishads
  - D) Experiential learning and educational tours (Bhraman). .
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**QLabel : Q16**

Q3076854) In the Guru-Shishya Parampara, the Shishya had to be very attentive and systematically record the teachings as Upanishads. What does this practice reveal about the nature of learning in the Gurukul system?

- A) It proves that oral tradition was not a reliable method for transferring knowledge.
  - B) It demonstrates the importance of passive listening and memorization in the learning process.
  - C) It indicates that the primary goal of the Gurukul was to produce scriptures for future generations.
  - D) It shows that students were expected to actively assimilate and synthesize knowledge, contributing to a unique "School of Thought."
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**QLabel : Q17**

Q3076855) Consider the statement - For Guru-Shishya Parampara to be revived in modern technical education, both teachers and students must have the perspective to remain a "life-long learner." Why is this perspective crucial for reviving the tradition?

- A) It enables students to assimilate and record teachings in the form of Upanishads.
  - B) It aligns with the Guru's role as a source of continuous knowledge and the Shishya's role of constant learning and growth
  - C) It emphasizes that the relationship between teacher and student is a formalized, uninterrupted succession.
  - D) It helps students to find Gurus who have mastery in a certain area.
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**QLabel : Q18**

Q3076856) The traditional relationship between teacher and student faded due to "knowledge and technological explosions." What is the most logical connection between these factors and the fading of the tradition?

- A) The proliferation of information has made the Guru's mastery of a single complex body of knowledge less unique.
  - B) Technology has made it easier for students to find a Guru without living in a Gurukul.
  - C) Technological tools have created new, more effective methods of teaching that have replaced the Guru's oral tradition.
  - D) The digital world has completely removed the need for a teacher, making the Guru-Shishya relationship obsolete.
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**QLabel : Q19**

Q3076857) In a technical seminar, a student asks a complex question that challenges the speaker's core assumptions. The speaker, a senior engineer, responds with a respectful and detailed explanation, inviting the student for further discussion. This interaction is most similar to which practice of the Guru-Shishya Parampara?

- A) The Guru's level of authority varying based on tradition.
  - B) The student's obligation to be obedient and devoted to the teacher.
  - C) A consultation with other Gurus or Schools of Thought in the form of debates
  - D) The Shishya recording unique scriptures called Upanishads
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**QLabel : Q20**

Q3076858) A group of engineers wants to develop a new construction technique but lacks crucial safety data. A professional society in their field could be a valuable resource by:

- A) Providing legal advice on potential liability issues.
  - B) Enforcing ethical codes and punishing misconduct within the profession.
  - C) Lobbying for government funding for their specific project.
  - D) Offering access to relevant research and best practices.
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**QLabel : Q21**

Q3076859) Identify the option that is ethical for the teacher.

- A) Stay away from Student's counselling and giving punishment for wrong behaviour
  - B) Creating an active- learning oriented environment inside the classroom and to ensure two-way communication in the classroom
  - C) Identifying the weaknesses of students for punishing them
  - D) Expecting always good performance from all students without considering the capacity of students.
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**QLabel : Q22**

Q3076860) A final-year engineering student is struggling to grasp a complex concept in control systems despite attending all lectures and reviewing the notes. Following the spirit of Guru-Shishya Parampara, what would be the most effective approach for the "Guru" to guide the student towards understanding?

- A) Recommending additional textbooks for independent study.
  - B) Suggesting the student seek help from classmates who understand the concept.
  - C) Dedicating extra time to explain the concept using real-world engineering examples and analogies relevant to the student's interests
  - D) Advising the student to focus on other, easier topics to secure a passing grade
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**QLabel : Q23**

Q3076861) A professional society publishes a journal with the latest research findings in its field. This action contributes to the society's mission by-

- A) Developing professional excellence through knowledge sharing
  - B) Directly regulating the professional conduct of its members.
  - C) Lobbying for political influence on behalf of its members.
  - D) Raising public awareness about the importance of the profession.
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**QLabel : Q24**

Q3076862) An engineering project team is facing a tight deadline. Due to a miscommunication, a crucial component designed by one team member is slightly out of specification. If the team operates in an environment lacking trust, what is the most likely outcome?

- A) The team member will openly admit the error, and the team will collaboratively find a quick solution. minimizing delays.
  - B) The team leader will immediately identify the error through rigorous independent checks,
  - C) The team member might hesitate to disclose the issue for fear of blame, potentially leading to significant delays and rework later in the project.
  - D) Other team members will readily offer to redo the component without questioning the original design.
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**QLabel : Q25**

Q3076863) An engineering student demonstrates exceptional aptitude and quickly masters the curriculum. In the context of Guru-Shishya Parampara, what would be a suitable way for the "Guru" to nurture this student's potential further?

- A) Assigning the student as a teaching assistant to help weaker students.
  - B) Encouraging the student to solely focus on achieving the highest grades.
  - C) Advising the student to maintain their current pace without additional challenges to avoid burnout.
  - D) Providing the student with advanced research opportunities, challenging projects beyond the syllabus, and mentorship in their areas of interest.
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**QLabel : Q26**

Q3076864) Why is the relationship between a professional and a client different from the relationship between a trader and a customer?

- A) Professionals charge more than traders.
  - B) Customers can always return a product if they're unhappy.
  - C) Clients don't know exactly what they need from professionals
  - D) Professionals are more skilled than traders.
- 

**QLabel : Q27**

Q3076865) Accountability in teaching in Higher education institutions does not include

- A) Ensuring that most students attend classes regularly
  - B) Monitoring that students do not have any other affiliations to unlawful activities in college hours
  - C) Attending teacher association programme, though compromising the teaching hours
  - D) Teacher to Keep oneself updated in knowledge and skills
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**QLabel : Q28**

Q3076866) A teacher notices a student struggling with a complex math concept. The teacher decides to stay after school to provide one-on-one tutoring. This action best demonstrates which aspect of accountability?

- A) Following the school's policy on after-school activities.
  - B) Showing concern for the student's personal well-being.
  - C) Meeting the administrative requirement of providing extra help.
  - D) Taking personal responsibility for the student's academic progress.
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**QLabel : Q29**

Q3076867) A teacher implements a case study as evidence-based teaching method in their classroom and closely monitors student performance to assess its effectiveness. Based on the results, they make adjustments to their approach to better meet student needs. This scenario is a prime example of a teacher demonstrating accountability by...

- A) actively using data to inform and improve instructional practices.
  - B) following the curriculum guidelines provided by the school district.
  - C) collaborating with colleagues on professional development activities.
  - D) adhering strictly to a pre-defined lesson plan.
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**QLabel : Q30**

Q3076868) Out of the following, the methods to sensitize students towards ethical behavior is done through actions such as

- (i) punishing for unethical behaviour
- (ii) telling moral stories
- (iii) demonstrating ethical behaviour
- (iv) Discuss cases of ethical and unethical behaviour

Choose the most correct option

- A) only (i)
  - B) (i) and (iii)
  - C) (i) (ii) and (iii)
  - D) (ii) (iii) and (iv)
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**QLabel : Q31**

Q3076869) A genetic engineering teacher, who earned their degree five years ago, continues to teach theories about genetics that do not match with recent discoveries from the Human Genome Project. This action is a clear example of-

- A) Maintaining a consistent teaching style.
  - B) Upholding traditional educational values.
  - C) Failing to engage in professional development.
  - D) Strictly adhering to a proven curriculum.
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**QLabel : Q32**

Q3076870) A teacher's evaluation report notes that they have excellent subject matter knowledge but are consistently rated poorly on a peer review that assesses their use of innovative teaching strategies. This situation suggests a conflict between which two aspects of a teacher's professional responsibility?

- A) Maintaining content expertise versus continuously updating teaching practices.
  - B) Prioritizing student engagement versus achieving high test scores.
  - C) Following the curriculum versus showing creativity.
  - D) Upholding school policy versus building rapport with students.
- 

**QLabel : Q33**

Q3076871) A teacher consistently uses short tests at the end of each lesson to quickly assess student comprehension and identifies students who need additional support. This action is a direct manifestation of the teacher's accountability because it helps them:

- A) Adhere to the school's administrative procedures for student evaluation.
  - B) Fulfill the responsibility of systematically monitoring student learning.
  - C) Ensure that all students complete their daily assignments on time.
  - D) Prepare a detailed report for the upcoming parent-teacher conference.
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**QLabel : Q34**

Q3076872) Select the option that is not an example of "updating knowledge" in the context of a professional?

- A) Undertaking training courses related to profession
  - B) Reading journal articles in their field
  - C) Having active presence on social media professional network such as such as "Linkedin"
  - D) Attending a conference
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**QLabel : Q35**

Q3076873) Why teachers should refrain from taking on private tutoring or coaching classes.

- A) It creates a conflict of interest between private work and teaching responsibilities. need for lesson planning.
  - B) It makes it harder for students to get into good colleges.
  - C) It requires teachers to use different teaching methods.
  - D) It takes away time teachers
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**QLabel : Q36**

Q3076874) A teacher maintains a digital portfolio for each student, where they regularly upload examples of student work, along with formative and summative assessment results. This practice is primarily a tool for the teacher to:

- A) Comply with the district's record-keeping requirements.
  - B) Demonstrate personal commitment to their professional growth.
  - C) Showcase the best student work to the school administration.
  - D) Fulfill their accountability by creating a comprehensive record of each student's progress
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**QLabel : Q37**

Q3076875) What is the most important quality expected of all professionals?

- A) Expertise in a specific technical skill
  - B) To be a good human being
  - C) Membership in a professional society
  - D) Strict adherence to a specific dress code
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**QLabel : Q38**

Q3076876) Refer to a statement- "Teachers should be aware that education is a "public service." What does this statement imply about a teacher's role in society?

- A) Teachers have a responsibility to contribute to the broader community.
  - B) Teachers should prioritize entertainment over academics.
  - C) Teachers should focus solely on classroom instruction.
  - D) Teachers should take private tuitions
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**QLabel : Q39**

Q3076877) True sense of fulfilment comes from..

- A) prioritizing physical needs over mental needs
  - B) achieving a balance between physical and mental needs
  - C) focusing solely on acquiring material possessions
  - D) ignoring the needs of the body in favour of the mind
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**QLabel : Q40**

Q3076878) Identify the statement that best reflects the idea of a "vicious trap" in the context of harmony of a person with oneself?

- A) Desiring a healthy meal over fast food
  - B) Prioritizing sleep for better physical health
  - C) Buying things to impress others and neglecting your health
  - D) Spending time with loved ones to fulfil mental needs
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**QLabel : Q41**

Q3076879) Identify the option indicating that a potential client might NOT be motivated by self-interest rather than a genuine need for professional's expertise.

- A) Unrealistic Demands or Rushed Deadlines
  - B) Reluctance to Share Full Project Details
  - C) Focus on Cost Over Quality and Safety
  - D) Insisting on adherence of design standards and guidelines of the project approving authority
- 

**QLabel : Q42**

Q3076880) What is a primary function of most professional societies ?

- A) To lobby for government funding for their professions
  - B) To directly manage the daily work of their members
  - C) To offer healthcare benefits to their members
  - D) To promote high standards within their professions
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**QLabel : Q43**

Q3076881) A teacher's primary focus is on academic rigor, and they view extracurricular activities like NSS and NCC as distractions from core subjects. They neither promote nor discourage student participation in these activities. Which of the following statements best analyzes this teacher's conduct with society?

- A) The teacher's neutral stance is an acceptable form of conduct.
  - B) The teacher's conduct is limited, as they fail to actively promote civic and social responsibility.
  - C) The teacher is acting with good conduct by prioritizing student academic achievement.
  - D) The teacher's lack of action demonstrates a lack of engagement with their students' overall development.
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**QLabel : Q44**

Q3076882) The All India Council for Technical Education (AICTE) updates its curriculum guidelines to include a new course on sustainable engineering practices. A university that follows these guidelines by implementing the new course is acting in a manner consistent with the AICTE's function to:

- A) Provide educational institutions with a standardized curriculum.
  - B) Dictate the academic freedom of its affiliated institutions.
  - C) Ensure that technical education is relevant to societal needs.
  - D) Promote the latest research in the field of engineering.
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**QLabel : Q45**

Q3076883) An engineering professional is found to have falsified data in a structural design. The regulating body reviews the case and revokes the engineer's professional's membership. This action is an example of the regulating body's role in:

- A) Punishing unethical behaviour to maintain a positive public image.
  - B) Enforcing a code of ethics and maintaining professional integrity.
  - C) Providing a legal framework for resolving disputes.
  - D) Protecting the professional reputation of the individual engineer.
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**QLabel : Q46**

Q3076884) It is unethical for teachers to be involved in "writing question-answer guides." Why ?

- A) It increases the difficulty of exams for students.
  - B) It requires teachers to work extra hours.
  - C) It reduces the effectiveness of study guides.
  - D) It undermines the integrity of the learning process and assessment.
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**QLabel : Q47**

Q3076885) A state medical board is considering a new policy that would require all doctors to complete a certain number of continuing education credits annually. The Medical Council of India (MCI) supports this policy. What is the most likely reason for the MCI's support?

- A) The MCI wants to increase the administrative burden on doctors.
  - B) The MCI believes this is the most effective way to ensure doctors stay current with medical advancements.
  - C) The MCI is trying to generate revenue through a new certification program.
  - D) The MCI is attempting to centralize all medical licensing and education.
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**QLabel : Q48**

Q3076886) A teacher is struggling to balance grading papers with preparing a lesson plan for an important upcoming class, leading to anxiety and stress. According to the material provided in the MOOC course, which principle of value education can best help the teacher address this situation?

- A) The principle of regulating the flow of energy based on the importance of the task.
  - B) The principle of accepting all proposals without self-verification.
  - C) The principle of always seeking external validation for one's actions.
  - D) The principle of achieving happiness from the external materialistic world.
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**QLabel : Q49**

Q3076887) An individual is faced with the dilemma of whether to be an honest teacher or accept a bribe to gain financial security. According to the material provided in the MOOC course, which process is most essential for this individual to resolve this internal conflict and find harmony?

- A) Leaning to rationalise their actions to justify the bribe.
  - B) Engaging in exploration of the external world.
  - C) Undergoing a process of self-exploration to find what is truly valuable to them.
  - D) Relying on others' advice and opinions to make the decision.
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**QLabel : Q50**

Q3076888) A student wants to become a successful entrepreneur but constantly procrastinates on important tasks. Based on the model for self-exploration and value education, what is the most likely consequence of this behavior?

- A) Development of a stronger sense of self-awareness and peace.
  - B) An eventual increase in their energy level due to reduced effort.
  - C) Achievement of life goals by avoiding strenuous work.
  - D) Increased stress, anxiety, and fear of failure due to pending tasks.
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**QLabel : Q51**

Q3076889) What does it mean for a professional to be "compassionate"?

- A) To show understanding and care for students' well-being
  - B) To expect students to work independently at all times
  - C) To strictly enforce all classroom rules
  - D) To avoid emotional attachment to students
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**QLabel : Q52**

Q3076890) What would a person with strong personal values be most likely to do in their workplace?

- A) Accept all external proposals without critical examination.
  - B) Avoid engaging in any kind of introspection or self-exploration.
  - C) Make choices and actions that reflect their values and lead to positive changes.
  - D) Prioritize personal entertainment over professional tasks.
- 

**QLabel : Q53**

Q3076891) What is an important aspect of professional communication for technical teachers according to the International Society for Technical Education (ISTE)?

- A) Using complex technical jargon in all communications
  - B) Avoiding any communication with students outside of class time
  - C) Prioritising written communication over verbal communication
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D) Handling disagreements with respect and an open mind

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**QLabel : Q54**

Q3076892) Which of the following is NOT considered as an attribute of a professional teacher?

a) Expertise in a specific subject area

- A) Expertise in a specific subject area
  - B) A focus on personal gain over student success
  - C) A commitment to lifelong learning
  - D) A belief in the importance of creating a positive learning environment
- 

**QLabel : Q55**

Q3076893) A lecturer in a public university becomes aware that a student, who frequently skips his classes, is a prominent member of an unauthorized group known for controversial and disruptive off-campus activities. Based on the given definition of teacher accountability, what is the lecturer's primary responsibility in this situation?

- A) To report the student to the police for their affiliation with the group.
  - B) To ensure the student is attending classes regularly and to address the academic impact of their absences.
  - C) To confront the student and demand they leave the group immediately.
  - D) To investigate the group's activities to determine if they are illegal.
- 

**QLabel : Q56**

Q3076894) Identify the option which is ethical for teacher

- A) Without knowing the capacity of students expecting lot from them.
  - B) Creating an active learning- oriented environment inside the classroom and to ensure two-way communication in the classroom
  - C) Identifying the weaknesses of students for punishing them
  - D) stay away from Student's counselling and giving punishment for wrong behaviour
- 

**QLabel : Q57**

Q3076895) A person is constantly trying to find happiness by acquiring more possessions and seeking external validation. The text suggests that to find genuine peace and satisfaction, this person should instead:

- A) Conduct self-exploration to derive happiness from their own actions and decisions.
  - B) Rely on the advice of others to determine what will make them happy.
  - C) Engage in more social activities to distract themselves from their internal dilemmas.
  - D) Discipline their energy to achieve more materialistic goals
-

**QLabel : Q58**

Q3076896) A bright student confesses to his teacher about stealing a meter from the physics lab for experimentation at home. In this situation, what the teacher should prioritize:::

- A) Maintaining a positive relationship with the student.
  - B) Returning the meter without anyone knowing.
  - C) Following ethical guidelines and reporting the incident and counselling the student for ethical conduct.
  - D) Helping the student conduct their experiments at home.
- 

**QLabel : Q59**

Q3076897) "Overlooking standard norms in practical examination" is considered as a violation of ethics by the teacher/ management because....

- A) It is a waste of time for the teacher.
  - B) It makes the subject matter less interesting.
  - C) It undermines the integrity of the learning process, and gives students an unfair advantage
  - D) It requires the teacher to work extra hours
- 

**QLabel : Q60**

Q3076898) "Development "is a process that includes...

- A) Economic growth only.
  - B) Improvements in social and economic conditions.
  - C) Military strength and economic growth.
  - D) Exploitation of natural resources.
- 

**QLabel : Q61**

Q3076899) The primary purpose of the "Framework for Good Academic Research Practices" is to.....

- A) Establish a rigid set of rules for researchers to follow.
  - B) Define the three stages of the research life cycle.
  - C) Encourage discussion and ethical research practices.
  - D) Provide a one-size-fits-all approach to research integrity.
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**QLabel : Q62**

Q3076900) A Teacher 'B' discovers that a colleague teacher 'A' is not properly grading exams, Which of the following actions the teacher 'B' should consider to take for correction of behaviour in the interest of students:

- (i) Remain silent on face but gossip about the teacher to others.
- (ii) Confront the teacher and explain the importance of fair grading.
- (iii) Report the evidence to the school administration.
- (iv) Offer to help the teacher with grading tasks.

- A) only (i)
  - B) only (iv)
  - C) only (ii) and (iv)
  - D) only (ii) and (iii)
- 

**QLabel : Q63**

Q3076901) A Teacher 'B' discovers that teacher 'A' is not properly grading exams. He Confronts the teacher and explain the importance of fair grading. This is an act where the teacher 'B' is demonstrating

- A) Positive attitude , Ethical conduct, Value for sincerity
  - B) Neutral attitude, Ethical conduct, Value for sincerity
  - C) Sikkhen attitude, Value for sincerity, ethical conflict
  - D) Negative attitude, Value for sincerity, ethcal conflict
- 

**QLabel : Q64**

Q3076902) The head of the institution discovers a teacher gave unfair marks to favour a relative. They should consider

- A) Overlooking the incident to maintain a smooth operation.
  - B) Disciplining the teacher to uphold ethical standards.
  - C) Finding a way for the student to legitimately improve their grade.
  - D) Asking the teacher to apologize to the other student
- 

**QLabel : Q65**

Q3076903) A student missed a practical exam due to an accident but received a special home exam. This is:

- A) A fair solution considering the student's situation.
  - B) Unfair to other students who followed the regular procedures. .
  - C) An acceptable exception to the rules, but not a common practice
  - D) Something the professor should have avoided.
-



**QLabel : Q66**

Q3076904) An increase in a country's GDP might lead to:

- A) An automatic improvement in living standards for all citizens.
  - B) Negative environmental impacts alongside economic benefits.
  - C) The complete eradication of poverty.
  - D) Equal distribution of income within the population.
- 

**QLabel : Q67**

Q3076905) The Human Development Index (HDI) is a more comprehensive measure of development than per capita income because it considers:

- A) Economic factors only
  - B) Environmental quality only.
  - C) Social factors only
  - D) A combination of social and economic factors.
- 

**QLabel : Q68**

Q3076906) Select the option that indicates a characteristic of a person with a positive attitude?

- A) They avoid challenges.
  - B) They dwell on past mistakes.
  - C) They believe in themselves.
  - D) They find fault in others.
- 

**QLabel : Q69**

Q3076907) "Confidence" is considered as an important positive attitude. Why is confidence important for a person? .

- A) It makes a person appear more knowledgeable.
  - B) It guarantees success in every situation.
  - C) It allows a person to avoid difficult tasks
  - D) It helps a person approach challenges with a positive outlook.
- 

**QLabel : Q70**

Q3076908) An increase in a country's GDP might lead to....

- A) An automatic improvement in living standards for all citizens.
  - B) Negative environmental impacts alongside economic benefits.
  - C) The complete eradication of poverty.
  - D) Equal distribution of income within the population.
-

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**QLabel : Q71**

Q3076909) Which of the following best describes poverty?

- A) The lack of basic necessities of life, such as food and shelter
  - B) The inability to afford luxuries.
  - C) A low national income.
  - D) A high illiteracy rate and reasonable living standard
- 

**QLabel : Q72**

Q3076910) The Millennium Development Goals (MDGs) focused on:

- A) Encouraging technological innovation for its own sake
  - B) Promoting international trade.
  - C) Increasing military spending.
  - D) Reducing poverty and improving living standards .
- 

**QLabel : Q73**

Q3076911) Relative poverty refers to...

- A) the minimum level of income needed to survive.
  - B) the lack of access to education and healthcare.
  - C) the unequal distribution of wealth within a society
  - D) the inability to afford basic necessities of life.
- 

**QLabel : Q74**

Q3076912) The concept of National Income refers to...

- A) the total value of goods and services produced within a country in a year.
  - B) the amount of money a government collects in taxes.
  - C) the personal wealth of individuals living in a country.
  - D) the value of a country's exports.
- 

**QLabel : Q75**

Q3076913) Why is it important to consider multiple indicators when measuring development?

- A) A single indicator may not capture the whole picture of a country's progress.
  - B) Different countries have different priorities for development.
  - C) Economic growth is always the most important factor.
  - D) Social indicators are unreliable and subjective.
-

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**QLabel : Q76**

Q3076914) Rapid population growth is considered a major factor contributing to:

- A) Urban poverty
  - B) Rural poverty.
  - C) Increased government spending on social programs.
  - D) A decline in the national poverty rate
- 

**QLabel : Q77**

Q3076915) In the context of Panch-Tatva, a major concern regarding Earth (Prithvi) is the:

- A) Depletion of the ozone layer.
  - B) Increased frequency of earthquakes
  - C) Unsustainable exploitation of natural resources. .
  - D) Discovery of new life forms.
- 

**QLabel : Q78**

Q3076916) The construction of the a dam on the a prominent river is intended to provide water for irrigation and drinking. However, critics argue that the project's costs outweigh its benefits, particularly concerning the downstream ecosystem. What is a potential analytical argument against the dam's environmental sustainability?

- A) The reservoir created by the dam has provided a new habitat for migratory birds.
  - B) The dam's height is insufficient to store enough water for a full year's supply.
  - C) The dam's construction has caused severe air pollution in the nearby cities.
  - D) The dam alters natural river flow, affecting aquatic life, sediment transport, and water quality.
- 

**QLabel : Q79**

Q3076917) Which of the following statements about Air (Vayu) is TRUE according to the passage?

- A) It is only beneficial and has no destructive potential.
  - B) It is a vital component for all living beings and can also cause natural disasters.
  - C) It is a finite resource that needs to be conserved.
  - D) d. It is primarily composed of oxygen and can be replenished easily.
- 

**QLabel : Q80**

Q3076918) An environmental scientist wants to analyze the long-term impact of vehicular emissions on public health in a major Indian city like Mumbai. Which of the following data sets would be most crucial for her to collect and analyze?

- A) The total number of electric vehicles purchased in the city every year for last three years..
  - B) The number of new vehicles registered annually and the number of hospital admissions for respiratory illnesses over a decade.
  - C) The daily number of commuters in metro over last three years.
-

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D) The average wind speed and the monthly temperature over a single year.

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**QLabel : Q81**

Q3076919) The *Odd-Even traffic scheme* implemented in Delhi is a vehicle rationing strategy designed NOT to...

- A) reduce vehicular emissions and combat severe air pollution,
  - B) reduce diseases due to air pollution in certain persons
  - C) control run of IC engine run vehicles
  - D) restrict sale of electric vehicles
- 

**QLabel : Q82**

Q3076920) A farmer in Maharashtra wants to maximize the yield of his crops. He knows that sunlight is crucial for photosynthesis. He chooses a specific crop variety that requires long hours of direct sunlight. what is NOT a potential positive consequence on the ecosystem while getting high yield?

- A) High-yield crops may require more irrigation, straining local water resources.
  - B) Efficient land use due to more food on less land
  - C) Meeting growing food demands and reduce pressure on marginal lands
  - D) Migration of local habitats is reduced
- 

**QLabel : Q83**

Q3076921) The Indian government's 'PM-KUSUM' scheme encourages farmers to install solar pumps for irrigation. This is an application of the sun's energy. What is the primary benefit of this application in a rural agricultural setting?

- A) It makes the farming land more fertile by reducing pollution
  - B) It provides a sustainable and cost-effective alternative to diesel pumps for irrigation,
  - C) It completely eliminates the need for water,
  - D) It heats the groundwater to an optimal temperature for crop growth.
- 

**QLabel : Q84**

Q3076922) In 1991, a volcanic eruption in the Philippines released a massive amount of ash and aerosols into the atmosphere, causing a measurable drop in global temperatures. Which of the following is the most significant analytical conclusion regarding this event's effect on life?

- A) The cooling effect caused migratory birds to alter their flight paths to warmer regions.
  - B) The presence of volcanic ash caused widespread acid rain, which destroyed sensitive plant species.
  - C) The reduced sunlight reaching the Earth's surface lead to a decrease in photosynthesis, disrupting the entire food chain from its foundation.
  - D) The cooler temperatures would have a positive effect on ecosystems by reducing heat stress on plants and animals.
-

**QLabel : Q85**

Q3076923) India has the world's largest concentrated solar power (CSP) plant in the state of

- A) Rajasthan
  - B) Karnatak
  - C) Gujarat
  - D) Madhya Pradesh
- 

**QLabel : Q86**

Q3076924) India has the world's largest concentrated solar power (CSP) in Rajasthan, which uses mirrors to focus sunlight to heat a fluid. A different section of the park uses photovoltaic (PV) panels. The potential reason for using the two technologies simultaneously is-

- A) PV panels are less efficient at converting sunlight into electricity than CSP plants.
  - B) PV panels are generally more expensive to install but require less maintenance than CSP plants.
  - C) CSP technology has the advantage of being able to store energy as heat, allowing for continuous electricity generation even after sunset, which PV panels cannot do without separate battery storage.
  - D) CSP technology is more reliable on cloudy days because it can capture energy from diffuse light.
- 

**QLabel : Q87**

Q3076925) Which of the following best defines sustainable development ?

- A) Development focused solely on economic growth.
  - B) Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.
  - C) Development that prioritizes environmental protection over social equity.
  - D) Development that emphasizes only technological advancement
- 

**QLabel : Q88**

Q3076926) How many Sustainable Development Goals (SDGs) are there?

- A) 10
  - B) 15
  - C) 17
  - D) 20
- 

**QLabel : Q89**

Q3076927) Which of the following is a core element of sustainable development?

- A) Optimising resource consumption
  - B) Increasing employability through "Best out of Waste"
  - C) Development, including Environmental protection
-

D) Focus on overall economic growth

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**QLabel : Q90**

Q3076928) What is 'anthropocentric environmental ethics'?

- A) The belief that only non-human animals have intrinsic value.
  - B) The belief that all living things have equal intrinsic value.
  - C) An environmental ethic focused on ecosystems.
  - D) Practising an ethical view that only humans possess intrinsic value.
- 

**QLabel : Q91**

Q3076929) A city is planning to expand its public transportation system. How would this project align with the goals of sustainable development?

- A) It primarily addresses economic growth by creating jobs.
  - B) It only impacts environmental protection by reducing emissions.
  - C) It can contribute to social inclusion by increasing accessibility and environmental protection by reducing pollution
  - D) It is solely a social inclusion issue because public transport also requires fuel
- 

**QLabel : Q92**

Q3076930) What is the main purpose of the 5Rs (Refuse, Reduce, Reuse, Repair, Recycle) in waste management?

- A) To create a system for collecting and disposing of waste efficiently.
  - B) To minimize waste generation by following a hierarchy of waste reduction strategies.
  - C) To prioritize recycling as the most important solution to waste problems.
  - D) To encourage people to buy more products made from recycled materials.
- 

**QLabel : Q93**

Q3076931) Why it is recommended that recycling should be kept as a last resort in the waste management hierarchy?

- A) Recycling is expensive and uses a lot of energy.
  - B) Most recycled materials cannot be used to create new products.
  - C) It is better to focus on reducing waste generation in the first place.
  - D) Recycling facilities are not available in all locations.
-

**QLabel : Q94**

Q3076932) What is an example of a material that can be recycled indefinitely, according to the passage?

- A) Paper
  - B) Metal
  - C) Plastic
  - D) Food waste
- 

**QLabel : Q95**

Q3076933) Identify the primary roles of technical teachers in promoting sustainable waste management practices?

- (i) To conduct research on new recycling technologies.
  - (ii) To organize an effective the waste disposal practice on college campuses.
  - (iii) To educate students about the 5Rs and encourage them to adopt sustainable habits.
  - (iv) To partner with local recycling companies for waste collection
- A) (i), and (ii) (iv)
  - B) (i), (ii), (iii)
  - C) (i), (iii), (iv)
  - D) (i), (ii), (iii) and (iv)
- 

**QLabel : Q96**

Q3076934) A student from a rural background in a technical institute in Karnataka is mentored by a senior who advises them to avoid cultural clubs, saying they are 'not for serious students.' How does this advice apply the concept of a biased approach?

- A) The advice is helpful because it helps the student focus on their studies.
  - B) The advice is based on a personal opinion, not an institutional rule.
  - C) The advice is based on the mentor's past experience with cultural clubs.
  - D) The advice is biased because it promotes a narrow definition of success and discourages the student from exploring a balanced personality.
- 

**QLabel : Q97**

Q3076935) Cradle to Cradle design aligns with the concept of: ...

- A) Planned obsolescence for increased sales
  - B) Sustainable product development for environmental benefit
  - C) Prioritizing aesthetics over functionality
  - D) Rapid consumption and disposal of products
-

**QLabel : Q98**

Q3076936) A major environmental concern associated with Cradle to Grave design is: ..

- A) The efficient use of energy during production
  - B) Use of low cost Disposal technologies
  - C) The depletion of renewable resources
  - D) The creation of large landfills from disposable products
- 

**QLabel : Q99**

Q3076937) Cradle to Cradle approach should be a practice throughout a student's:

- A) Educational journey, at home, and in everyday life
  - B) Involvement in major technical projects only
  - C) Enrollment in specific technical training courses
  - D) Participation in extracurricular activities like tech fests
- 

**QLabel : Q100**

Q3076938) Which of the following is an example of practicing the concept of "Reduce" as per 5Rs?

- A) Buying a used car instead of a new one.
  - B) Separating recyclable materials from your trash.
  - C) Donating old clothes to charity
  - D) Using a reusable water bottle instead of disposable ones.
-