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ESE 2024

UPSC ENGINEERING SERVICES EXAMINATION

Preliminary Examination

General Studies & Engineering Aptitude

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4. Philanthropic Responsibility : At the top of the pyramid, occupying the smallest space is philanthropy.

Hence, option (d) i.e. 1,3,4,2 is correct order.

According to UPSC answer is option (a).

2.15 (c)

- Carol Gilligan states that the post-conventional level of moral thinking can be dealt based on the two types of thinking. Gilligan's theory is based on the two main ideas, the care-based morality (usually found in women) and the justice-based morality (usually found in men).
- Kohlberg's theory of moral development is a theory that focuses on how children develop morality and moral reasoning. Kohlberg's theory suggests that moral development occurs in a series of six stages and that moral logic is primarily focused on seeking and maintaining justice.

3.4 (d)

Martha Nussbaum identified an Aristotelian set of ten universal, normative capabilities that act as freedoms that are generally protected by law. These may be viewed as needs, although they are also related to values.

- 1. Life :** Being able to live a complete and satisfying life into old age. Not having life cut short or being made such that it hardly seems worth living.
- 2. Bodily Health :** Living with good health, and not in a state where ill health seriously affects the quality of life. Having access to medical help as needed. To have good food and be able to exercise in ways that sustain health.
- 3. Bodily Integrity :** Being able to go where you want to go. Being free from attack and abuse of any kind. Being able to satisfy healthy bodily needs.
- 4. Senses, Imagination and Thought :** Being able to use all of one's senses. Being free to imagine, think and reason.
- 5. Emotion :** Being able to become attached to other things and people outside of ourselves, loving and caring for them. Experiencing grief, longing, gratitude and justified anger.
- 6. Practical Reason :** Being able to consider and develop understanding of good and evil, and to think critically about the world and one's own place in it.

7. Affiliation : Being able to associate with others, living with them and acting for them. Showing concern for people in general and interacting with others.

8. Other Species : Being able to live with the full range of creatures and plants that inhabit the world around us. To be able to enjoy nature and appreciate its beauty.

9. Play : Being able to laugh, play games and generally have fun. Not having one's enjoyment and recreation criticized or prevented.

10. Control Over One's Environment : Being able to participate in political activities, making free choice and joining with others to promote political views.

Hence, Option (d) i.e. Being able to earn livelihood and live peacefully is not included.

4.2 (c)

The Constitution of India contains specific provisions on the occupational safety and health (OSH) of workers which currently covers only four industry sectors: factories, mines, ports and construction.

4.3 (c)

Demolition of exterior walls and floors must begin at the top of structure and proceed downward.

4.8 (c)

Responsible Experimentalists:

- 1. Conscientiousness :** Protect safety knowledge, respect right of consent of public
- 2. Relevant Information or Comprehensive perspective :** Awareness of experimental nature of projects, forecasting, monitoring
- 3. Moral autonomy :** Personally engaged, thoughtful, involvement in project
- 4. Accountability :** Accept responsibility for results of a project (avoid fragmentation, diffusion, time pressures)

Hence, statement 3 i.e. It restricts free-personal involvement in all steps of the project or product development is wrong.

Hence, Correct Option is 1, 2 and 4 only.

4.9 (b)

Michael Davis guide to ethical decision-making include following eight moral tests. Some of these include:

- (a) **Harm test:** Does this option do less harm than the alternatives?
- (b) **Publicity test:** Would I want my choice of this option published in the newspaper?
- (c) **Defensibility test:** Could I defend my choice of this option before a congressional committee or committee of peers?
- (d) **Reversibility test:** Would I still think this option was a good choice if I were adversely affected by it?
- (e) **Colleague test:** What do my colleagues say when I describe my problem and suggest this option as my solution?
- (f) **Professional test:** What might my profession's governing body for ethics say about this option?
- (g) **Organization test:** What does my company's ethics officer or legal counsel say about this?

Hence, **Acceptability test** is not mentioned by Michael Davis.

5.3 (b)

Workplace whistleblowing occurs when an individual reports wrongdoing in an organisation, such as financial misconduct or discrimination. This person is often an employee but can also be a third-party such as a supplier or customer. Internal whistleblowing is when someone makes a report within an organisation

5.5 (c)

- The above given statement is the definition of a 'trade secret'.
- Trade secrets are intellectual property (IP) rights on confidential information which may be sold or licensed.

5.6 (a)

- The above statement forms the definition of Gouging.
- Price gouging occurs when a seller increases the prices of goods, services, or commodities to a level much higher than is considered reasonable or fair.

5.7 (b)

The order of the statement chosen form the logical sequence with respect to an individual regarding preparation for disclosure of unethical behaviour.

6.2 (c)

The chosen statements are in line with the definition of profession.

6.6 (d)

Engineers for a Sustainable World (ESW) is an international non-profit network of students & professionals united by their shared passion for technical sustainability.

What is ESW's vision & mission?

It strives to empower students and professionals to tackle sustainability challenges. The ESW works towards a sustainable world supported by a network of passionate engineers. Its goals are as follows:

1. Design and implement hands-on sustainability projects across the globe.
2. Educate students and practicing engineers on sustainability best practices.
3. Unite those passionate about sustainability in a productive international network.

7.4 (d)

ILO Declaration on Fundamental Principles and Rights at Work

Adopted in 1998, the Declaration commits Member States to respect and promote principles and rights in four categories, whether or not they have ratified the relevant Conventions. These categories are:

1. Freedom of association and the effective recognition of the right to collective bargaining,
2. The elimination of forced or compulsory labour,
3. The abolition of child labour and
4. The elimination of discrimination in respect of employment and occupation.

