Course Name: Science Technology and Society

Course Code: HS102

Mode of Submission: Scan and Upload

Time: 03 hrs Semester: II Total Marks: 90

Answer the following questions -

 Explore the cultural and societal implications of the Ocdipus and Electra complexes and state the stories they were based on. How do these psychoanalytic concepts reflect and influence traditional gender roles and familial structures? (9)

- 2. Which part of the psyche propounded by Freud's personality theory is reflected in the following situations? Justify your answer. (9)
 - A Emily's friend confided in her about a secret that could potentially damage another friend's reputation. Even though sharing the secret might have temporarily boosted her social standing, Emily valued loyalty and honesty more. She chose to keep her friend's secret and uphold her integrity, even if it meant facing criticism or missing out on gossip.
 - B Tom came across a controversial post on social media that he strongly disagreed with. Instead of engaging in a heated argument or leaving negative comments, he chose to express his differing opinion respectfully and constructively, promoting healthy discourse rather than contributing to online hostility.
 - C In a crowded parking lot during the holiday shopping season, drivers compete fiercely for available spots. Some drivers disregard traffic rules and common courtesy, speeding and cutting off others to secure a prime parking space near the entrance, prioritizing convenience over safety and consideration for fellow drivers.
- 3. To what extent does the digital divide exacerbate existing social inequalities, and what ethical responsibilities do governments and corporations have in bridging this gap? (7)
- 4. What do you understand about Nehruvian science, and what were its defining characteristics? (7)
- 5. Write a short note on three Indian scientists (FRS) with special mention of their work. (7)

- 6. How is Science, Society and Mental Health related? What are the main forms of mental health related stigmas? (7)
- 7. What do you understand by cyberculture? Explain the same in the Indian context. How did the Y2K fiasco ultimately unfold, and what lessons can be drawn from this event for managing technological risks in the future? (7)
- 8. The technological prowess and urban planning of the ancient Indus Valley Civilization surpasses our current capabilities. Comment. (7)
- 9. Answer the following: (30)
 - 1. Which bacteria is responsible for the formation of curd?
 - 2. What is the chemical symbol for gold?
 - 3. What is the name of the telescope recently launched to study early galaxies?
 - 4. Which planet is known as the Red Planet?
 - 5. Which element is used in light bulbs to produce light?
 - 6. How many Union Territories are there in India??
- 7. What is the name of the international space station orbiting Earth?
 - 8. What is the process of splitting atomic nuclei called?
 - 9. What is the smallest mammal in the world?
 - 10. Who is known as the father of the Indian nuclear programme?
 - 11. The disease "Karnal bunt" is found in which cereals?
- 12. In which Indian state is the Harauti language spoken?
 - 13. Name the smallest continent?
 - 14. Who invented penicillin?
 - 15. Which nuclear particle has no mass and no charge, but only spin?
- 16. Which is the largest natural satellite in our solar system??
- > 17. Which social science discipline focuses on the study of society, social institutions, and social behavior?
- 18. Who is the third astronaut who traveled to the Moon along with Neil Armstrong and Buzz Aldrin?
 - 19. What is the original name given to the planet Uranus?
 - 20. Who is known as the "Father of the Indian Constitution"?
 - 21. Who is the founder of Marxian theory?
- 22. Who is a key collaborator of Marxism?
- 23. In which year was the Communist Manifesto published?
 - 24. What is the Marxist term for the ruling class?
 - 25. What is the Marxist term for the working class?

26. Where did a	
26. Where did the term class originate from? 27. Which countries block is a state of the state	
	star's trade and industry
are controlled by private owners for profit.	my's trade and middstry
have explained from C 1	
the free universal greating in a workplace	
the free, universal, creative and self-creative activity and self-creative activity at the self-	
a theory or system of social organization in which all pre-	operty is owned by the
and cach person contributes and receives according to the	neir ability and needs.
associated with?	
33 is a philosophical system recognizing only that which	can be scientifically
verified or which is capable of logical or mathematical proof, ar metaphysics and theism.	nd therefore rejecting
34 is the branch of philosophy that deals with the first	principles of things
including abstract concepts such as being, knowing, identity, time, an	d space
is broadly defined as the belief in the existence of a Suprem	a Baing or deities
36. Freud's 'Interpretation of Dreams' was published in?	e Being of deffices.
37 is the primitive and instinctive component of personality.	
that part of the id which has been modified by the direction of the id which has been modified by the direction.	ect influence of the
external world.	tet influence of the
39 incorporates the values and morals of society which are	learned from one's
parents and others.	rearried from one
40. The superego consists of ?	
41. What stage marks the first psychosexual development?	
42. When does the anal stage occur in Freud's theory?	
43 is the attachment of the child to the parent of the opposite se	x. accompanied by
envious and aggressive feelings toward the parent of the same sex.	
44. Oedipus was a mythical Greek king of	*
45. In Neo-Freudian psychology, the, as proposed by Carl Jung	in his 'Theory of
Psychoanalysis,' is a girl's psychosexual competition with her mother	
her father.	
46. Who is the father of psychoanalysis?	
47 this involves putting together a general statement about a grou	
establishing something as a member of that group, and draws a cond	clusion about that
member.	
48 involves putting together a cause-effect statement (prediction)	ctions arrived at
through induction) and a statement about a specific event, to draw a cond	clusion about that
event.	
49 contains rules for ritual geometric constructions that are sim	ilar to the Sulba
Sutras.	

•	50. Traditional cataract surgery was performed with a special tool called the
	51. A description of binary numbers is found in the works of
	52. IEEE named as one of the fathers of radio science.
	53 is a large Neolithic and Chalcolithic site located at the foot of the Bolan pass on the Kachi plain of Balochistan, in modern day Pakistan.
	54 attributed to Lagadha is considered one of the oldest astronomical texts, dating from 1400–1200 BCE.
1	55 a Sanskrit treatise by Bhoja (11th century), includes a chapter about the construction of mechanical contrivances.
	56 of northern India issued silver currency bearing Islamic motifs, later imitated by the Mughal empire.
	57. The Mongols were defeated by of the Delhi Sultanate.
-	58. The Indian Post Office service was established on
	59 was an Indian physicist known mainly for his work in the field of light scattering.
	60. The Mars Orbiter Mission, also called, was launched on 5 November 2013 by
	the Indian Space Research Organisation (ISRO).