

**GUJARAT NATIONAL LAW UNIVERSITY
GANDHINAGAR**

Course: Psychology and Neuroscience

Semester-III (Batch: 2019-24)

End Semester Online Examination: December 2020

Date: 27th December, 2020

Duration: 8 hours

Max. Marks: 40

Instructions:

- The respective marks for each question are indicated in-line.
- Indicate correct question numbers in front of the answer.
- No questions or clarification can be sought during the exam period, answer as it is, giving reason, if any.

Q.1 Read the statement and answer the following questions:

Marks
(2x4=
6)

The police officials of the City "X" investigating a crime caught hold of few suspects involved in some unlawful activities. In order to obtain certain information on the psychological behaviour of the suspects, the investigating officer planned to seek the assistance of you, as a student of psychology. The idea is to gather more information about the suspects that can either help them to determine the direction of the investigation or can later be corroborated with the other evidence so as to conclude the involvement of a particular suspect(s) with the crime.

- a) Explain how psychological analysis as a scientific tool can contribute to the investigation.
- b) Explain any two statistical tools that deal with the average of the variables with a focus on various stages involved in the structuring of gathering the fact.

Q.2 The Company "X" came out with certain rules that will regulate the employees of the company in future. The employees felt that the rules are going to hamper their interests and requested the management to take back the regulations. However, the management turned a blind eye on the request made by its employees, in view of which the employees planned to protest against the management. In order to take care of the protest, the management has asked you to place the needs as per the psychology, which will help it to gather better idea about the individuals involved in the protest and how it varies based on the hierarchy in an individual. Also, you are required to share information on the characteristics of human groups.

(6)

Q.3 "X" and "Y" are close friends, though the nature of either of them is different. In view that the nature of either of them is different it is the responsibility of both the parties individually and collectively to ensure that there is no conflict arising between them. In order to ensure no conflict arises between them, you as a friend of both of them, explain to your friends the various handling styles of the major interpersonal conflicts and also the mechanisms to improve the mood of either of them including on how to remain satisfied in life.

(6)

Q.4 Company "X" took out recruitment notification and the boss of the company intends to appoint individual(s) who are self-actualizing. In order to achieve the objective, explain the characteristics of such individuals and also the conditions that the growth promoting climate shall fulfill so that it helps the boss in selecting appropriate individual(s) and also ensure that they are also joining the company. (6)

Q.5 A crime took place in Gandhinagar, wherein not only the jewelry items were stolen from the house but also the owner of the house, "Y", has been murdered. "A" the friend of "Y" is the prime suspect of the crime. The police after the investigation has planned to produce "X", the person residing in the adjacent flat on the same floor as eye witness in the matter. The public prosecutor is your friend and so he wants you to share your views on factors affecting the retaining of observation of the incident so that he can understand the loopholes in the statement of "X". You as a good friend, also plan to share with the public prosecutor any three persuasive writing techniques that can be kept in mind while writing the affidavit, to place the case before the court in the best possible manner. (8)

Q.6 Read the case and answer the following questions: (6+2=8)

Champel, a 36-year-old, single male was charged with possession of a firearm by a convicted felon. During formal interviews, Champel was initially uncooperative with the inspectors and pretended to not understanding what was enquired of him. He was strongly encouraged to cooperate with the evaluation. After a period of observation and preliminary psychological testing, it was explained to him that his report of experiencing auditory hallucinations was unlikely to be.

Champel was administered psychological testing on three different occasions. Initial test results clearly demonstrated that Champel intended to represent himself as mentally ill and confused. After further counseling, he was re-administered with two tests, which he appeared to complete in a cooperative manner. Champel's responses on a structured interview of symptoms of mental illness were consistent with those of someone intending to put on psychotic mental illness.

Champel began smoking marijuana as a teenager and has continued to use it throughout adulthood. Selling illicit drugs eventually became his primary source of income through the years. Before his arrest, he used to consume marijuana daily and drank alcohol on certain occasions, generally on the weekends or when it was available.

Champel was been arrested at least 20 times throughout adolescence and adulthood. He has been incarcerated in state prisons twice, both for felony convictions. The only previous mental health treatment he has received was during his imprisonment in state prison. He had been experiencing nervousness, tremors, and what he referred to as "depression." This "condition" was reportedly treated with antipsychotic medication for a period of six months. His reports of past mental health symptoms were vague, and he indicated that he has never sought mental health treatment when out of prison.

- Justify the correlation and developmental Risk factors associated with mental health and crime in the given case. (6 Marks)
- Describe how AI can be used in the given case to investigate mental health. (2 Marks)
