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General paper Logic quiz 24

Study the following information carefully and answer the questions that follow

A 200 milliliter glass is used to measure crude “waragi” (local potent gin) sold to customers. This type of waragi has caused deaths to people especially when used in bets or beer drinking competitions. Its rate of intoxication to consumers varies from individual to individual but on average, it has been observed that one goes through the following stages of intoxication:

Stage	Characteristics
1	Happy, friendly and generous
2	Excited, talkative and argumentative
3	Tipsy, staggering and knocks things over
4	Coma
5	Deaths

It has been further observed that:

- (i) If one consumes waragi at a rate of one glass per thirty (30) minutes for one and a half (1½) hour, he/she will be staggering.
- (ii) It takes someone to go to stage 5 if the above rate is doubled and the person drinks for one and half hours.
- (iii) If the rate in (i) above is halved, the consumer will remain happy for the one and a half (1½) hours.
- (iv) The consumer will change to another stage at the same rate as in (iii) above for one (1) additional hour.
- (v) For a consumer to be in stage 4, he/she will have taken 20% less waragi than someone in stage 5 within the same period.
- (vi) There is a direct relationship between the rate of drinking and the rate of intoxication

Questions:

- (a) Determine the amount of waragi consumed at each stage. (10marks)
- (b) In a waragi contest, one consumer has vowed to drink 1000 ml of waragi in one (1) hour.
 - (i) Describe his/her stage of being after thirty (30) minutes. (02marks)
 - (ii) Giving reasons for your answer, mention the state he/she will be if the same amount of waragi was taken in one and a half (1½)hours.
- (c) Account for the occurrence of alcoholism in your community. (12 marks)
- (d) In what ways has alcoholism affected your community? (12marks)

Spellings and Grammatical Expression (SPGE)

(10 marks)

Suggested answers

Questions:

(a) Determine the amount of waragi consumed at each stage. (10marks)

Amount waragi consumed at each stage

Stage 3 the amount = $200 \times 3 = 600\text{ml}$

Stage 5 the amount = $2 \times 600 = 1200\text{ml}$

Stage 4 the amount = $\frac{80}{100} \times 1200 = 960\text{ ml}$

Stage 1 the amount = $\frac{1}{2} \times 200 \times 3 = 300\text{ml}$

Stage 2 the amount = $\frac{1}{2} \times 200 \times (3 + 2) = 500\text{ml}$

(b) In a waragi contest, one consumer has vowed to drink 1000 ml of waragi in one (1) hour.

(i) Describe his/her stage of being after thirty (30) minutes. (02marks)

He will be ins stage 3 he would have consumed 500ml (about 600ml) required for stage 3

(ii) Giving reasons for your answer, mention the state he/she will be if the same amount of waragi was taken in one and a half ($1\frac{1}{2}$)hours.

He will be he will be in comma because he would have taken about 960ml required for stage 4

(c) Account for the occurrence of alcoholism in your community. (12 marks)

Alcoholism, also known as alcohol use disorder, can be caused by a combination of genetic, psychological, social, and environmental factors:

1. **Genetic Factors:** A family history of alcoholism can increase the risk, suggesting a genetic predisposition.
2. **Psychological Factors:** Mental health issues such as depression, anxiety, or trauma can lead individuals to self-medicate with alcohol.
3. **Social Factors:** Peer pressure, social norms, and cultural acceptance of drinking can influence alcohol consumption.
4. **Environmental Factors:** Stressful environments, easy access to alcohol, and exposure to alcohol at a young age can contribute to the development of alcoholism.
5. **Behavioral Factors:** Patterns of binge drinking and heavy drinking can lead to physical dependence and addiction

(d) In what ways has alcoholism affected your community? (12marks)

Alcoholism can have severe and wide-ranging effects on an individual's health, relationships, and overall well-being:

1. **Physical Health:**

- **Liver Damage:** Chronic alcohol consumption can lead to liver diseases such as fatty liver, hepatitis, and cirrhosis.
- **Heart Disease:** Increases the risk of high blood pressure, heart attack, and stroke.
- **Digestive Problems:** Can cause gastritis, pancreatitis, and digestive tract cancers.
- **Immune System:** Weakens the immune system, making the body more susceptible to infections.
- **Brain Damage:** Leads to neurological issues like memory loss, cognitive impairment, and Wernicke-Korsakoff syndrome.

2. **Mental Health:**

- **Depression and Anxiety:** Alcohol can exacerbate symptoms of mental health disorders.
- **Behavioral Issues:** Can lead to aggressive behavior, impulsivity, and poor decision-making.
- **Dependence:** Development of alcohol dependence and addiction, leading to withdrawal symptoms when not drinking.

3. **Social Effects:**

- **Relationship Problems:** Strains relationships with family, friends, and colleagues.
- **Work and School:** Poor performance, absenteeism, and loss of employment or academic opportunities.
- **Legal Issues:** Involvement in criminal activities, including DUI (driving under the influence) charges.

4. **Financial Impact:**

- **Costs of Drinking:** Money spent on alcohol can lead to financial difficulties.
- **Healthcare Costs:** Increased medical expenses due to health complications.

Spellings and Grammatical Expression (SPGE)

(10 marks)

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Thanks

Dr. Bbosa Science