QNOT. a. Distinguish I. a and E.a. Answer:		
	I. Q (Intelligence Quotient)	(Emotional Quotient)
Definition	Measure cognitive	Measures emotional
	abilities like casoning	
	logic, problem solving.	11 le course se
Focus	Intellectual abilities	
	and academic	social interactions,
	performance.	
Assessment	Standarized tests	Behavioral assessments
	(e.g. IQ tests).	or self-reports
Application	Success in academia	es Success in Landership,
	technical pields	teamwisk, velationships.
Key Skins	· Analytical thinking,	Extotional regulation
0	memory logical	communication,
	reasoning.	relationship building

b. What is the present age of Aman, it after soyears, his age will be 10 times his age After 20 years, his age will he x+20 x+20 = 10(x-10)Ten years ago, his age was x-10 X+20 = 10x-100 120 = 92 $x = \frac{120}{9} = 13.33$ Aman's present age is approximately 13 years and 4 months Write complete answers Include diagrams Follow step by step method C. Peter's rate = 1 laws per minute John's yate = 10 lawns per minte $\frac{7}{90} + \frac{1}{60} = \frac{3}{120} + \frac{2}{120}$ Time to now I lawn tigether Peter and John well mow In 24 minutes.

d. A person multiplied a number by 3/5 instead of 5/3. What is persentage exter in calculation. Let the number be x · Incorrect x XS Difference = $\frac{5n}{3} - \frac{3x}{5}$] = $(\frac{95n - 9x}{15}) = \frac{16x}{15}$ Poventage error = Difference x 100 Correct $= \frac{16 \times 15}{5 \times 3} \times 100$ $= \frac{16}{25} \times 100$

QNO4.

a. What is hepatitis? Explain its causes, symptoms and prevention.

Hepatitis :-

Hepalitis is an inflammatory disease. of the liver which can result in acute and chronic illness. It can be because of enternal factors like smoking, alcohol or pollution. But other cause is autoimmune, in which the healthy liver cells starts dying auxing the illness of liver. Every 2 out of 10 person hers an illness of pepalitis in the world.

Couses:-

These causes of the repatites depends
on the type of repatitis there are smarry
types of Hepatitis (A,B,,,D) and F. Initially
the type of Hepatitis is A and the
chronic are Hepatites B and c.

Hepatitis A: The cause of the Hepatites A
is infectious fluids for ploods and
direct contact the the infectious person.

Hepatitis 8: Hepatitis B is an chronic illness and is caused by transferring of blood from an injected person. Hepatitis C: Hepatitis c is caused sex or contaminated things like varous any things. · Being sick · Headaches · Fever upto 38°C · Fatigue And the Chronic sympton Hepalitis ave · Internal Bleeding

Prevention :-

The prevention of the Repatitis includes the safety and recaution of the areas with injected person. The transferring system of blood should be undercore for the least transfer. And safeful sex can leads to prevent the reputitis.

b. Elaborate ene jew methods of jood preser-

Anxwer:

Food Preservation:

Food preservation is an old age process of preserving the good by killing microsganisms and bacteria in the good.

The old age good preservation includes drying, firmulation, refer irresaltion.

The modern age methods of pool preservation include carming, irradiation and chemical using.

Methods of Preservation: The preservation of food includes drying, heat, cold; chemical preserved and radiation. The process of drying is an del age method of drying in which the microrganisms dyes dies. As the microrganisms have 80%. of water trey live one. During the process of drying the water dejout causing the death of microsganisms. 2 . Heat :-At the entreme & 12/c level of temperature can kill the microxganism it leading to preservation of food. 3. Cold Under the temperature of - volegrees the all microsganisms get freezed stopping the multiplication of microsganisms. But process can be not trasted because it connect kill all microsganisms.

c. Explain Fertilizers. What are their types? Fertitizer: Ferlitizers are an combination of nutrients and minerals required for the fertility of soil. The nutrients and numerals include Nitrogen, Pollassium and Posphorous (NPK). I helps in the production and productivity of the soil. Types of Ferlilizer 1. Based on Nutrient Composition a. Nitragen Festilizers • Essential for leaf and stem growth.
• Examples: Usea, Ammonism sufface
b. Phosphorous Fextitizers · For root development and flowing · Enample: SSP (Single super phosphate) c. Potassi m Fexlitizers Mance disease residence and overall plant health. L. Micronatrient Fertilizers · Supply trace element like zinc, boron, copper,

2. Based on Source Derived from natural resources

Enoughs Compost, Bone meal

b. Inorganic Chemical) Fertilizers. a. Organic Fertilizers · Synthesized chamically to provide specific nutrients · Enample Urea, DAP d. What is the anotomy of a human tooth? The anatomy of a human tooth is composed of several distinct parts, which can be broadly categorised into enternal and internal structures. External Anatomy 1. Crown The visible part of the gum line Covered by enamel which is houdest substance in barrion body. The part of the tooth embeded in jawbone. the

3. Neck (Cervix) root, becated near the gum line. Internal Anatomy 1. Enamel • The outermost protective layer of crown • Composed primarily of calcium phosphate stals. • Protects me tooth from wear and deary. Dentin cystals! 2. Dentin

- · located beneath the enomel and cementum.
- · A hard, yellowish tissue that makes up the bulk of tooth.
- 3. Pulp
- The innermost part of loots.
 Contain blood vessely, nerves and connective sisues.
 - · Provides routishment and sensation to tooth.