

GIRLS CADET COLLEGE MARDAN
ENTRY TEST FIRST YEAR MODEL PAPER - BIOLOGY

CLASS; xi

MARKS 50

BIOLOGY Time 1hr

Q1 .Read the given statements carefully and select the correct option.

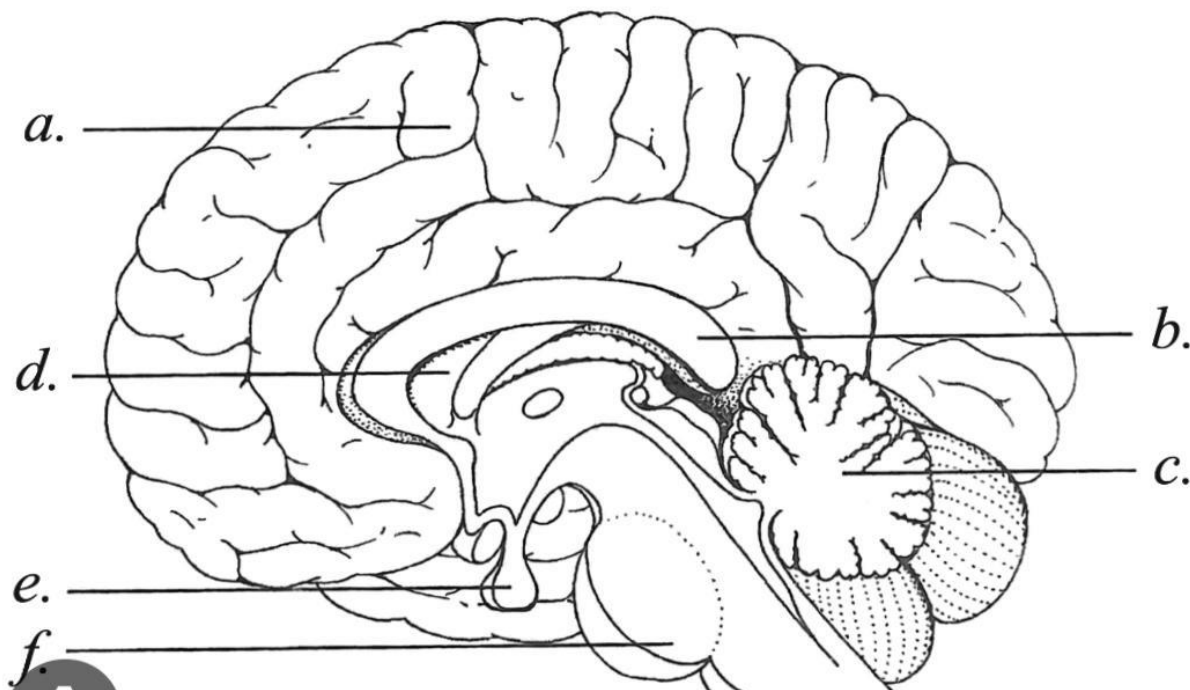
SECTION A

Choose the correct option.

i)High level of ADH is a sign of _____ .

- A) Hydration of body B) Dehydration C) kidney stone D) Diabetes

ii)n the given diagram labelled part e and C shows part____ and _____of brain



- A) Pituitary gland and Pons B) pituitary gland and medulla oblongata
 B) C) hypothalamus and thalamus D) hypothalamus and medulla oblongata

iii) The main components of bone are _____.

- A) Marrow ,spongy bone ,wax B) Marrow ,compact bone, wax
 B) C) Compact bone and marrow D)compact bone, spongy bone and bone marrow

iv) Which of the following primarily occurs in glomerulus?

- A) Reabsorption of glucose B) filtration of blood plasma
 C) urine concentration D) urine secretion

v) _____ is the intestinal infection of animals .

- A) Trypanosomiasis B) Amebiasis C) Baceteriosis D) cooecidiosis

vi) The joints which can not move at all are called as

- A) Hinge joint B) saddle joint C) fibrous joints D) condyloid joints

vii) when two heterozygote flowers are crossed a new phenotype appeared in F1 generation, it is called as

- A) Complete dominance B) co dominance C) over dominance D) incomplete dominance

Viii) If both the parents are A blood group the probability of O child is _____.

- A) Zero B) 100% C) 25% D) 75%

ix) in eukaryotes histone protein is wrapped around the DNA to form a structure called.

- A) centromere B) telomere C) acrosome D) nucleosome

x) in hypermetropia light rays are focused ____

- A) At fovea B) at blind spot C) behind retina D) before retina

xi) An individual picked the ball from ground and rotate his arm before throwing ball.which joint and muscles are required to rotate and throwing the ball.

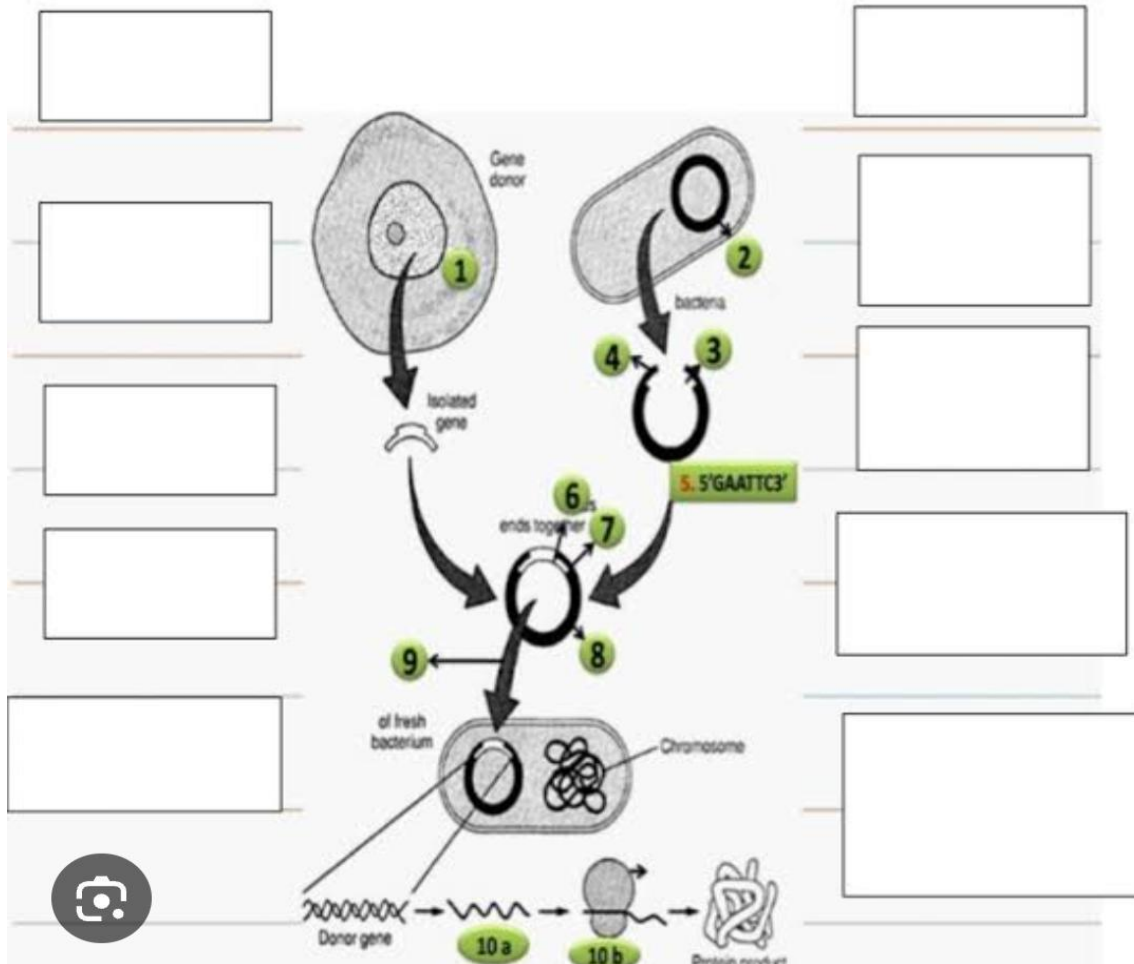
- A) Hinge joint and triceps muscle B) Hinge joint and bicep muscle
 B) ball and socket joint bicep muscle.D.) ball and socket joint and triceps muscle

Q 2.Complete the given table (5 Marks)

Name of organ / part	Location	Function/ hormone
Adrenal gland		
Cornea		
Histone		

Tendon		
Renal pyramid		

Q3 label the given diagram and describe the phenomenon .



Q 4. Answer the question each carry 5 marks. (25 marks)

I. How does DNA work?

li. What will be the F1 and F2 generation of the given genetic cross. $AaBb \times aabb$

iii. Define the following

a Renal failure

b Vector

c Allele

d Recombinant DNA.

f..Synovial joint

Iv why is the use of plasmid important in genetic engineering?

V .Draw a label diagram of human ear .labeling 5 parts minimum.
