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केवल मूल्यांकनकर्ता के उपयोग हेतु!

माध्यमिक शिक्षा मण्डल, मध्यप्रदेश, भोपाल

32 पृष्ठीय

केवल परीक्षक द्वारा भरा जावे। प्रश्न क्रमांक के सम्मुख प्राप्तांकों की प्रविष्टि करे।

प्रश्न क्रमांक	पृष्ठ क्रमांक	प्रश्न क्रमांक	पृष्ठ क्रमांक	प्राप्तांक (अंकों में)
1		17		
2		18		
3		19		
4		20		
5		21		
6		22		
7		23		
8		24		
9		25		
10		26		
11		27		
12		28		
13				
14				
15				
16				

कल प्राप्तांक अंकों में

परीक्षक एवं उपमुख्य परीक्षक द्वारा भरा जावे।

परीक्षक एवं उपमुख्य परीक्षक द्वारा भरा जावे

प्रमाणित किया जाता है कि अन्दर के पृष्ठों के अनुरूप मुख्य पृष्ठ पर अंकों की प्रविष्टि एवं अंकों का योग सही है।

निर्धारित मुद्रा : नाम, पदनाम, मोबाईल नम्बर, परीक्षक क्रमांक एवं पदांकित संस्था के नाम की मुद्रा लगाएं।

उप मुख्य परीक्षक के हस्ताक्षर एवं निर्धारित मुद्रा

ज्योति श्रीवास्तव

UJ-181

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प्रश्न क्र. 1

Question no = 1.Choose the correct answer.Answers of Question no 1.

- (i) Mitochondria (b)
- (ii) Synapse (b)
- (iii) Displacement Reaction (d)
- (iv) Antacid (c)
- (v) Applying coating of zinc (c)
- (vi) Ketone (c)

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प्रश्न क्र 2

Question of no 2.Fill in Blanks.Answer of Question no. 2B
S
E(i) Blue(ii) ~~kw-h~~ (kilowatt-hour) Watt(iii) Voltmeter(iv) ~~increases~~ zero falls to zero.(v) environmental problems

25 cm.



प्रश्न क्र. 3

Question no = 3True falseAnswer of Question no = 3B
S
E(i) ~~True~~(ii) ~~False~~(iii) ~~False~~(iv) ~~True~~(v) ~~False~~(vi) ~~True~~

प्रश्न क्र. 4

Question no. 4.Match the columnAnswer of Question no. 4.B
S
E

	(A)	(B)
(i)	Bromine	liquid non metal
(ii)	Benzene	C₆H₆
(iii)	Pair of sex chromosomes	XY and
(iv)	Insulin	Regulates blood sugar level
(v)	Marble	CaCO₃
(vi)	Vinegar	Acetic acid



प्रश्न क्र. 5

Question no - 5.One word answerAnswer of Question no. 5.

Ans = i Commercial Unit of Electrical Energy = kw-h

Ans = (ii) M.R.I = Magnetic Resonance Imaging

Ans = (iii) Blood pressure = The pressure that the blood exerts on the walls of vessels (Arteries or Veins) is called Blood Pressure. It is measured by an instrument called Sphygmomanometer.

Ans = (iv) Gibberellins is plant hormone helps in Growth of stem.

Ans = (v) Gregor John Mendel

Ans = (vi) The Danger signal light are red in colour, for the because the red colour light scatter least

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प्रश्न क्र.

by the small molecules of air and remain
a point appears to the person from far.
Hence, Red is used as Danger signal light.

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EQuestion no - 6Answer of Question no. 6

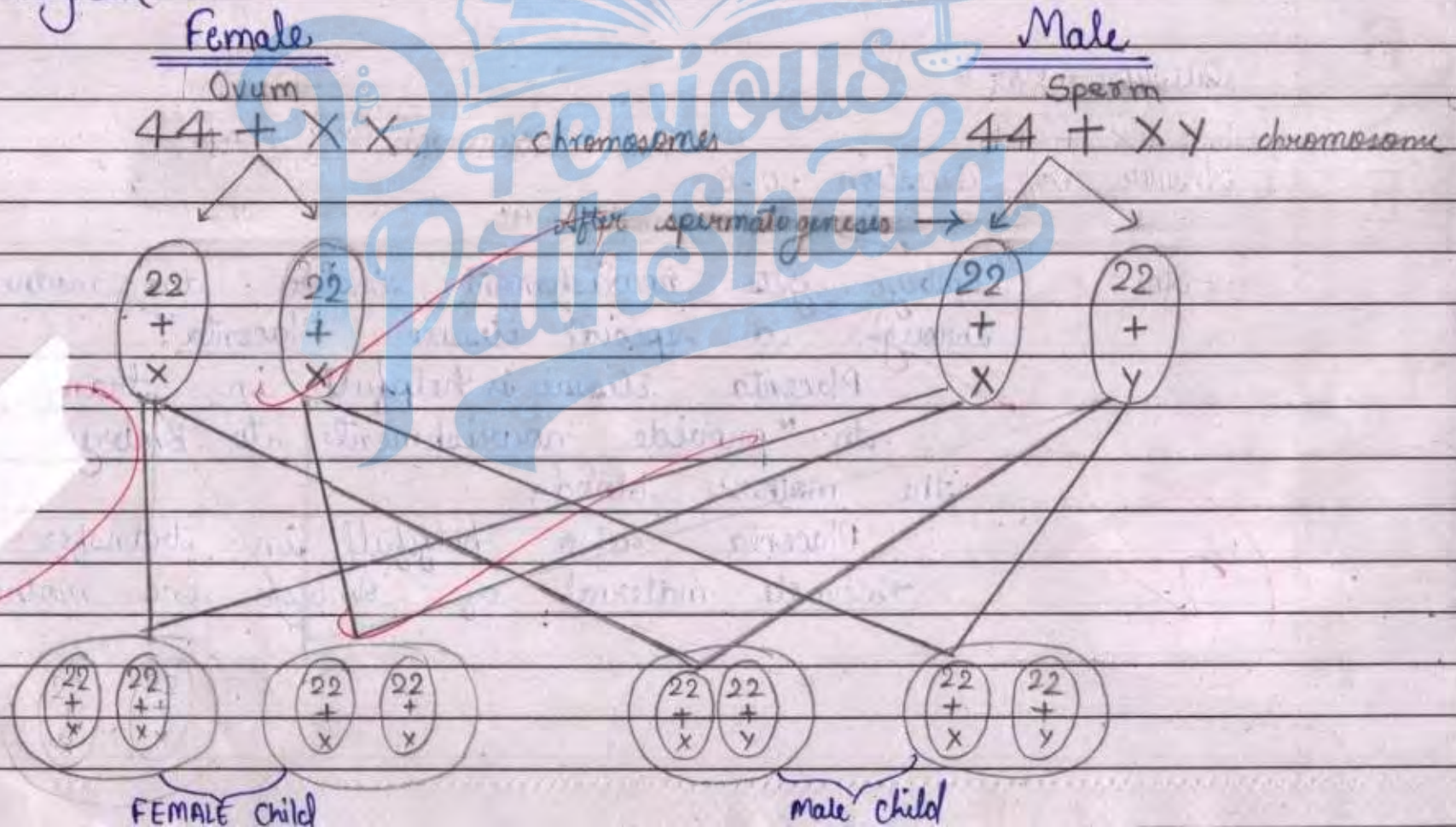
Ans 6 = "Embryo gets nourishment inside the mother body
through a special tissue Placenta."

Placenta tissue is helpful in transfer or
to "provide nourishment to Embryo" from
the mother's blood.

Placenta also helpful in transfer of
Excrete materials of Embryo into mother's blood.



प्रश्न क्र. 7

Question no. 7.Answer of Question no 7.Sex determination in human beingsDiagram

भरन क्र.

In this diagram we conclude that,

If child having XX chromosomes - is a girl child

If child having XY chromosomes - male child.

B
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Question no 8

Answer of Question no. 8

Law of Reflection of light =

(1) The incident ray, the reflected ray and the normal at the point of incidence all lie on same plane.

(2) The angle of incidence is equal to angle of reflection. $\angle i = \angle r$.



प्रश्न क्र. 9

Question no - 9

"OR"

Answer of Question no 9.1 dioptrre of Power of lens.

Ans = 9

Dioptrre is the unit of power of lens.

"1 Dioptrre is the power of lens of focal length 1 metre (m)."B
S
E

Continue ...



प्रश्न क्र. 10

Question no = 10Answer of Question no-10.Sky appear dark to an astronautB
S
E

Sky appears blue due to the "scattering of light". Sky appears dark to an astronaut, because there is no atmosphere outside in the space, so no light scattered from the particles, and due to this no scattered light reaches to astronaut's eyes. Thus, sky appears him dark.

P.T.O.



प्रश्न क्र. 11

Question no 11

"OR"

Answer of Question no 11.

Ans: Resistance of a conductor depends upon following factors -

(1) length of conductor = The resistance of a conductor depends upon length of conductor. The resistance of conductor is directly proportional to its length.
i.e. $R \propto l$

(2) Area of cross section = Resistance of conductor is inversely proportional to the area of cross section

$$R \propto \frac{1}{A}$$

(3) Resistance also depend upon temperature and nature of metal, conductor made from.

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प्रश्न क्र. 12

Question no - 12Answer of Question no 12

Ans = 12

lurd and sour substance not to be kept in brass and copper vessels, because these food stuffs contain acids that react with the metal of vessel and make poisonous food substances, that can cause food poisoning.

The lurd and sour substance become unhealthy after keeping in brass and copper vessels.

com

P. T. O.



प्रश्न क्र. 13

Question no-13.

"OR"

Answer of Question no 13.B
S
EAns. Uses of Baking Soda :- [NaHCO_3]

- (1) Baking Soda is used as antacid.
- (2) Baking Soda is used as soda-fire extinguishers.
- (3) It is used to make baking powder.



प्रश्न क्र. 14

Question no - 14

"OR"

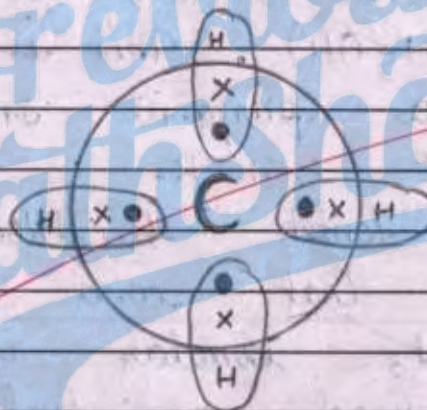
Answer of Question no - 14B
S
E

Ans.

Electron dot structure of Methane.

 CH_4

Methane.





प्रश्न क्र. 15

Question no 15.

"OR"

Answer of Question no -15B
S
E

Ans: Alcohol can be used as fuel, It is a hydrocarbon, which is also known as Ethanol (C_2H_5OH). This is commonly called Alcohol. It has a pungent smell, It has boiling point about 351 K.

We know hydrocarbons are the source of energy, Coal and petroleum are also, carbon based, similar as petroleum Alcohol can be used as fuel. But the Petroleum is a natural fossil fuel. Alcohol by some of refinement some other changes can be used as fuel.



योग पूर्व पृष्ठ

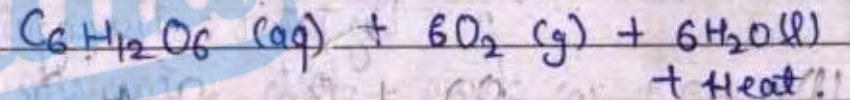
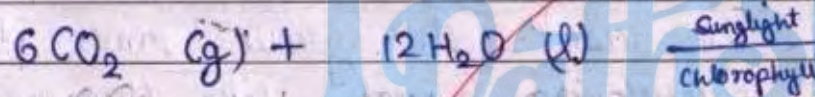
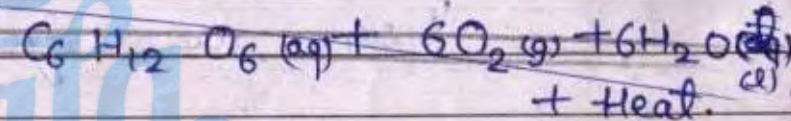
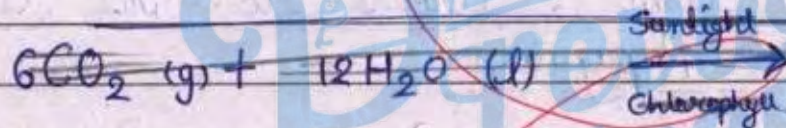
पृष्ठ 17 के अंक

कुल अंक

प्रश्न क्र. 16

Question 16

"OR"

Answer of Question no 16.Chemical reaction of Photosynthesis.B
S
E

P.T.O.



प्रश्न क्र. 17

Question no 17.Answer of Question no 17.B
S
E

Ans/ Some plants also grow from the vegetative parts of plant like Roots, stem, leaves etc. This is known as Vegetative Propagation.

1) Vegetative Propagation is used to grow some plants that have lost capacity of developing seeds like Guava, Orange, etc. So these trees can also be grown by Vegetative propagation.

2) Also, to get such plants that bear fruit and seed early, by Vegetative propagation, this process can be helpful for growing that plants.

Hence, "Vegetative propagation is used to grow such plants that lost capacity to bear seeds". To get fruits earlier we grow plants with Vegetative propagation.

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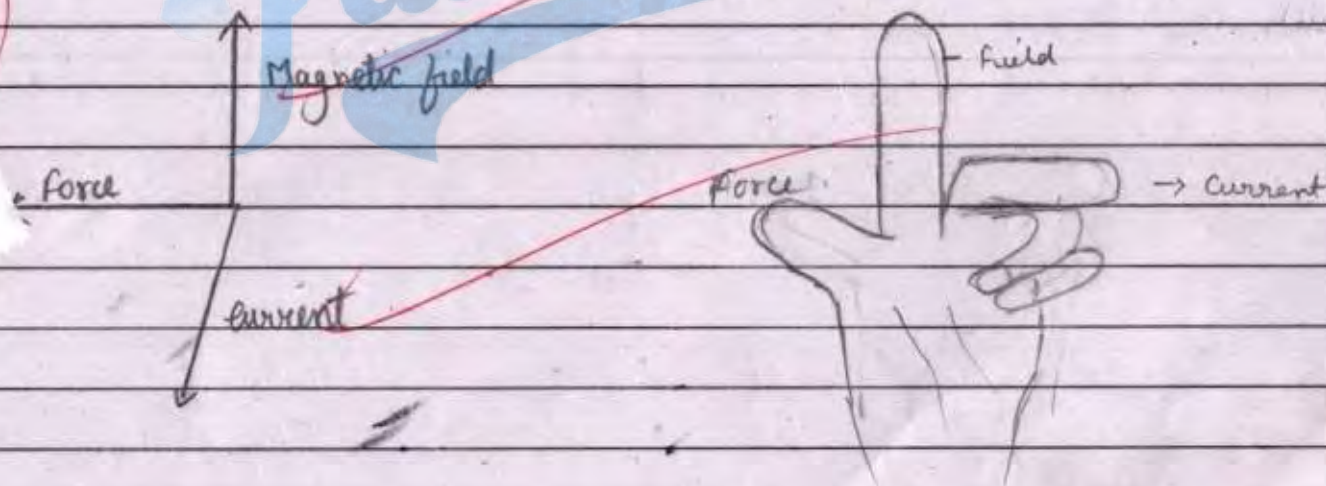
प्रश्न क्र. 18

Answer of Question no. 18

"OR"

Fleming's left hand Rule

Ans = Fleming's left hand Rule :- Stretch your first finger, middle finger and thumb of your left hand, such that they are mutually perpendicular to each other. Then, the first finger shows the direction of Magnetic field lines, middle finger shows direction of current then the thumb will show the direction of force. This is called Fleming's left hand rule.

B
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प्रश्न क्र. 19

Question no. 19Answer no. 19B
S
E

(i) liquid at room temperature

(ii) Easily cut with knife =

Continue ...

(iii)



प्रश्न क्र. 19

Question no-19

"OR"

Answer of Question no-19.

(1) Minerals : The substance that occurs naturally in the earth crust are called minerals.

(2) Ores : Sometimes minerals mined from earth crust contain high percentage of particular metal, which will be profitably extracted from it, called Ores.

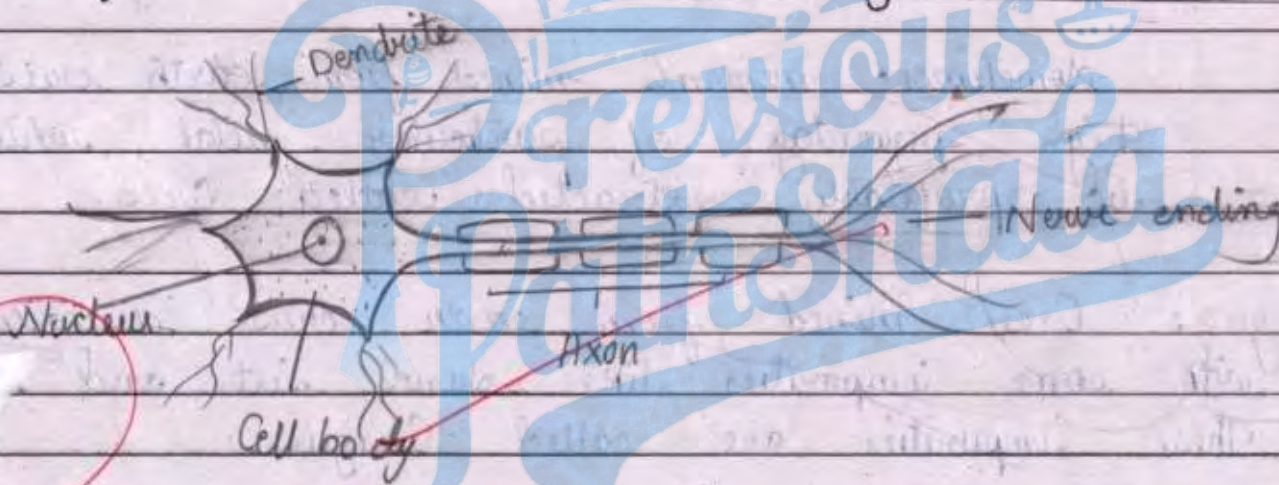
(3) Gangue : Ores mined from earth crust usually contain impurities like sand, silt and other particles. These impurities are called Gangue.

P.T.O.

प्रश्न क्र 20

Question no. 20.

OR

Answer of Question no. 20.Reflex arcStructure of Neuron

The parts of Neuron are Nucleus, Cell body, Dendrite, Axon and Nerve ending.

The Organelles of cell are Mitochondria, Golgi apparatus, Nucleus, Cytoplasm, etc.

B
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प्रश्न क्र. ११

Question no 21.Answer of Question no 21.

Solution - we have, convex mirror

$$\text{Radius} = +3.00 \text{ m}$$

$$\text{(object distance) } u = -5.00 \text{ m}$$

$$f = ?$$

$$v = ?$$

The image will be virtual and erect.

Now, we know $f = \frac{R}{2}$

$$f = \frac{3}{2}$$

$$f = 1.5 \text{ m.}$$

Now, by mirror formula, $\frac{1}{v} + \frac{1}{u} = \frac{1}{f}$

B
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प्रश्न क्र.

$$\Rightarrow \frac{1}{v} + \left(\frac{1}{-5} \right) = \frac{1}{1.5}$$

$$\Rightarrow \frac{1}{v} - \frac{1}{5} = \frac{1}{1.5}$$

$$\Rightarrow \frac{1}{v} = \frac{1}{1.5} + \frac{1}{5}$$

$$\Rightarrow \frac{1}{v} = \frac{5 + 1.5}{7.5}$$

$$\Rightarrow \frac{1}{v} = \frac{6.5}{7.5}$$

$$\Rightarrow v = \frac{7.5}{6.5}$$

$$v = 1.15 \text{ m.}$$

$$v = 1.15 \text{ m}$$

Now, magnification (m) = $-\frac{v}{u}$

$$= -\frac{1.15}{-5}$$

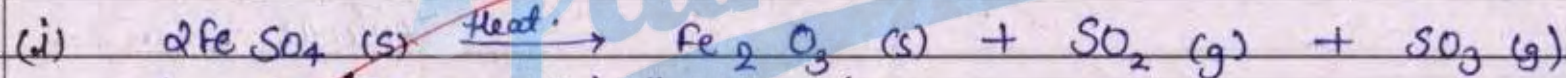
$$= 0.23$$

B
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E

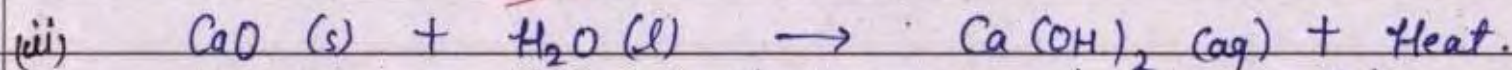


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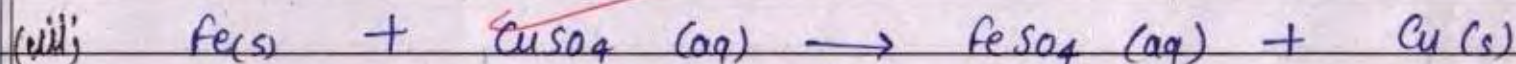
Hence, the image of object will be virtual and erect, behind the mirror and larger by a factor of 0.23.

B
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EQuestion no. 22Answer of Question no. 22

It is "Decomposition" reaction.



It is a "Combination" exothermic reaction.



It is a Displacement reaction.

P.T.O

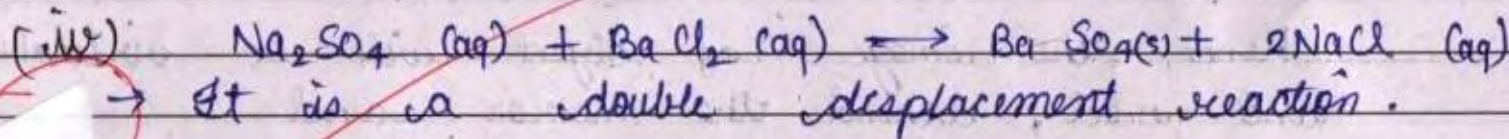


याग पूर्व पृष्ठ

पृष्ठ 26 के अंक

कुल अंक

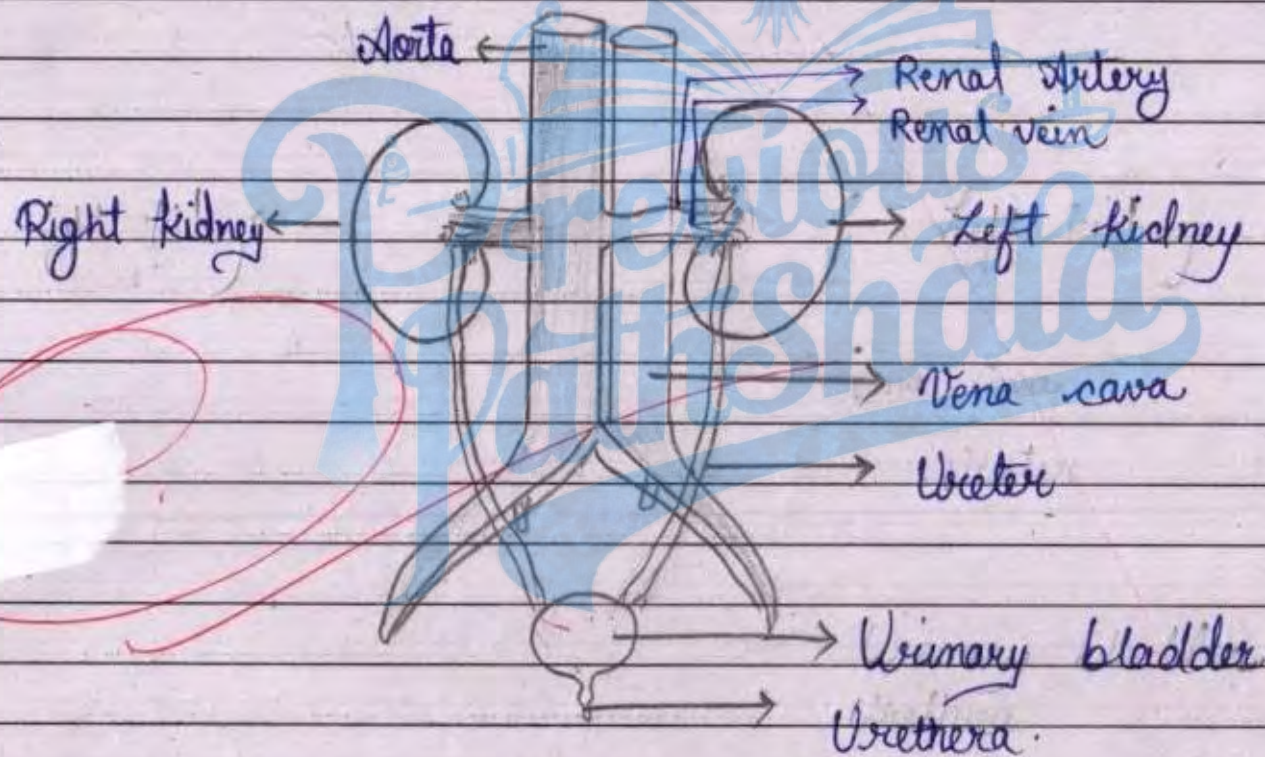
प्रश्न क्र.

B
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EQuestion no - 23Answer no - 23.

Continue ...



प्रश्न क्र.

Question no - 23.Human Excretory System.Answer of Question no 23.Human Excretory System.