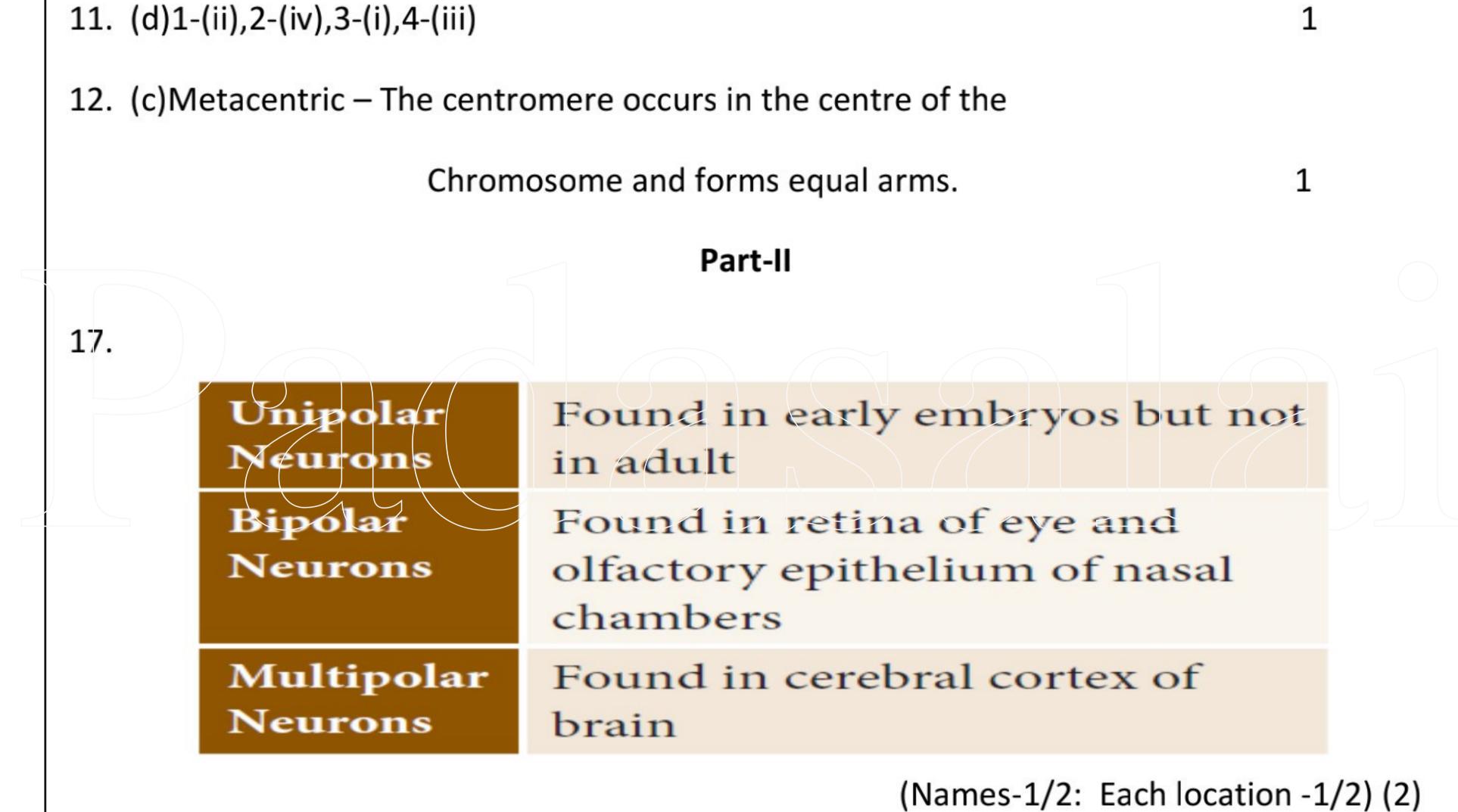
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10th Standard September-2020

Answer key for Science-Biology

Part-I	marks
6. (b)Ethyl Alcohol	1
7. (b)William Harvey	1
8. (b)Axons	1
9. (b)Cytokinin	1
10. (b)Restriction enzyme	1



18. A-Thyroid cartilage

B-Thyroid gland

C- Trachea

D-Nodule

(one part -1/2) (2)

19. (i) The age of fossils can be determined by Radioactive carbon(C14) dating method.

(ii)The time passed since death of a plant or animal can be calculated by measuring

the amount of C14 present in their body.

(2)

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20. Applications of DNA Finger printing

(i) This technique is widely used in forensic applications like crime investigation such as

Identifying the culprit.

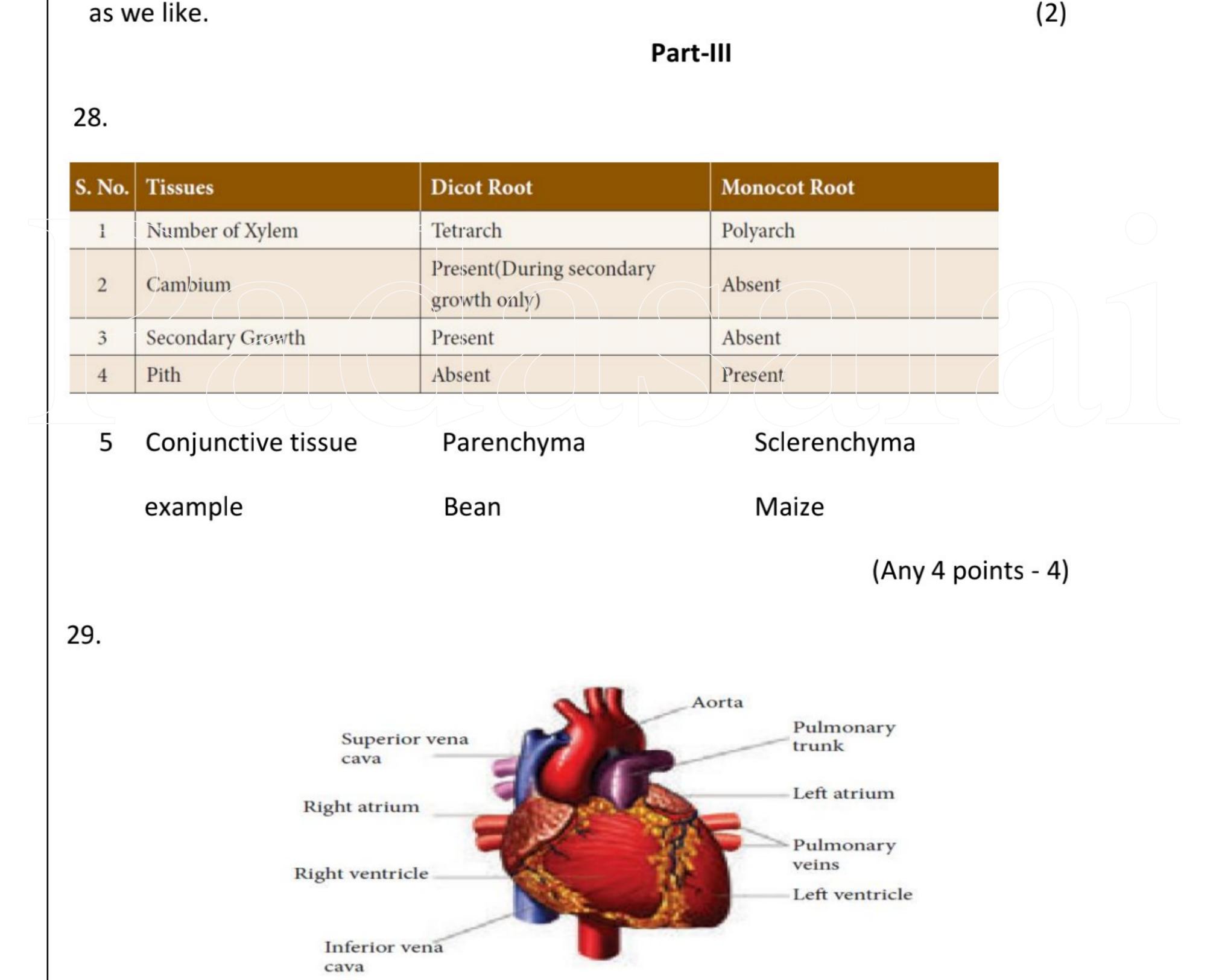
(ii) It is used for paternity testing in case of disputes.

(iii) it also helps in the study of genetic diversity of population, evolution and speciation.

(Any 2 points) (2)

21. (i)Stage is the background appear when we open the scratch window.

(ii) The background will most often be white. We can change the background colour



(diagram-2, Any 4 parts-2)

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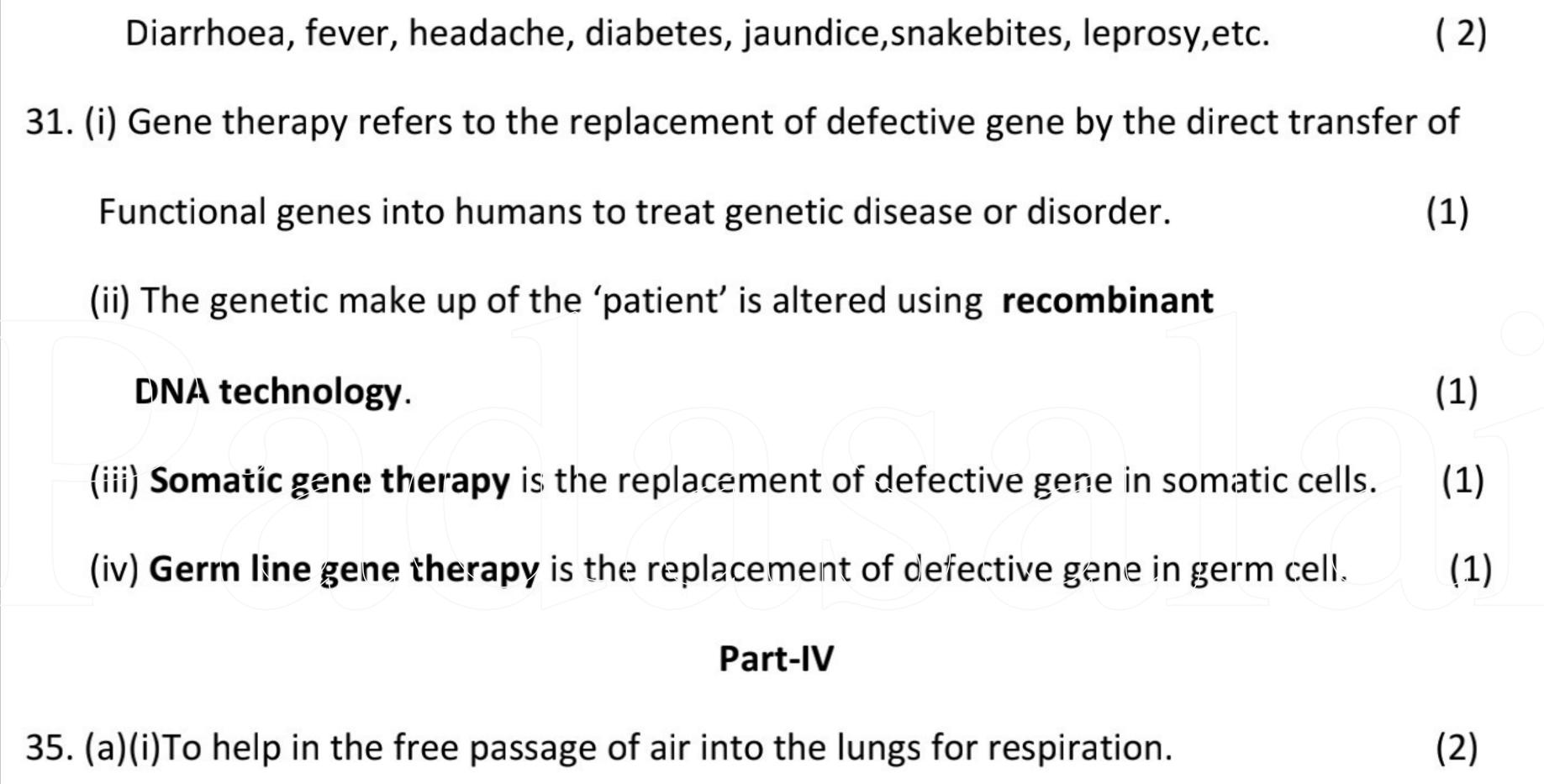
30. (i) Ethnobotany is the study of a region's plants and their practical uses through the Traditional knowledge of the local culture of people. (2)

Importance of Ethnobotany

- * It provides traditional uses of plant.
- * It gives information about certain unknown and known useful plants.
- * The ethnomedicinal data will serve as a useful source of information for the

chemists, pharmacologists and practitioners of herbal medicine.

- *Tribal people utilize ethnomedicinal plant parts for the treatment of diseases like



(ii) UTI – Urinary tract infection. Women are more susceptible to UTI.

Bacteria that are on the skin, rectum or vagina enter urethra. (2)

* Types of UTI:-1. Cystitis or Bladder infection

Bacteria lodged in the urinary bladder thrive and multiply leading to

Inflammation. Common in the age group of 20-50. (1)

*2. Kidney infection:- the bacteria travel from the bladder to ureter and

Affect one or both the kidneys. It may infect the blood stream and leads to serious life-threatening complications. (1)

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*3. Asymptomatic Bacteriuria: The bacteria present in the urinary bladder which

May not show any symptoms.

(1)

or

(b)(i) Significance of DNA

- * It is responsible for the transmission of hereditary information from one generation to
 Next generation. (1)
- *It contains information required for the formation of proteins. (1)
- *It controls the developmental process and life activities of an organism. (1)

(ii) Precautions to be taken for preventing heart disease:-

*Diet management: reducing the intake of calories, low saturated fat, low carbohydrates,

And common salt . Diet rich in PUFA, fibre diet, fruit, vegetables, proteins, minerals and

Vitamins are advised.

*Physical activity:- regular exercise, walking and yoga are essential.

*Addictive substance avoidance: Alcohol comsumption and smoking are to be avoided.

Any 2 points-(2)

(iii)*Child helpline:- It provides a social worker who can assist the child by providing food,

Shelter, and protection.

*Counselling the child: Psychologists and social workers should provide guidance,

Counselling and continuous support to a victimized child. Any 2 points-(2)

By

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12	Monthly	Mid Term	Revision	PTA Book	<u>Centum</u>	Creative
Standard	<u>Q&A</u>	<u>Q&A</u>	<u>Q&A</u>	<u>Q&A</u>	Questions	Questions
	<u>Quarterly</u>	Half Yearly	Public Exam	NEET		
	<u>Exam</u>	<u>Exam</u>		<u>NEET</u>		

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Standard	<u>Term 1</u>	<u>Term 2</u>	<u>Term 3</u>	<u>Periodical</u> <u>Test</u>	<u>SLAS</u>	

6 th	<u>Syllabus</u>	Books	<u>Study</u> <u>Materials</u>	<u>1st Mid</u> Term	2 nd Mid Term	<u>3rd Mid</u> Term
Standard	<u>Term 1</u>	<u>Term 2</u>	<u>Term 3</u>	<u>Periodical</u> <u>Test</u>	<u>SLAS</u>	

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