

FAAL ACADEMY

BIOLOGY MODEL EXAMINATION

Max mark: 20

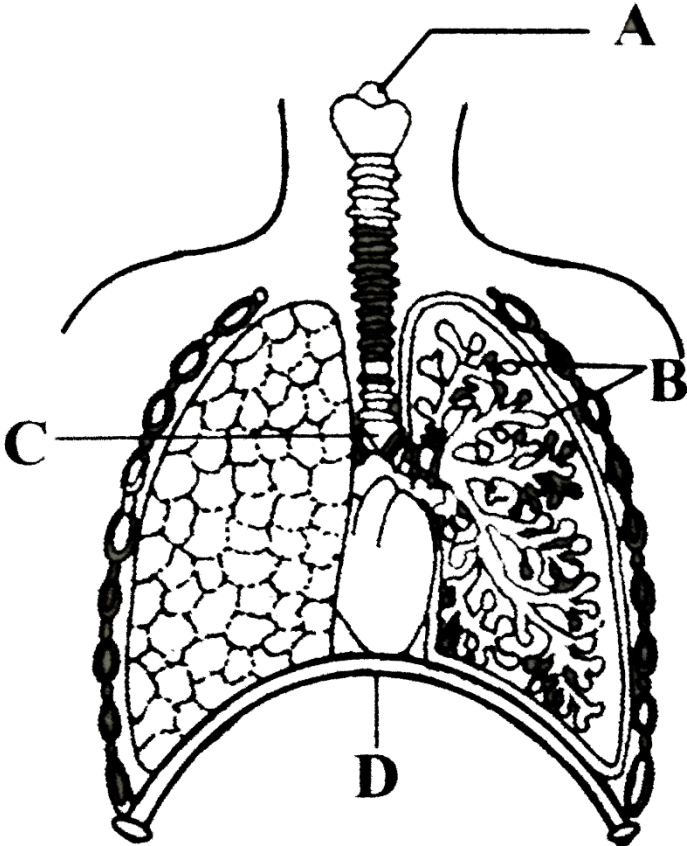
Max time: 25 Min

I	Write the name of the following
	Write the name of the enzyme <ul style="list-style-type: none"> ➤ Act in small intestine ➤ Act in alkaline medium
2	Write the processes name <ul style="list-style-type: none"> ➤ Raw materials are CO_2 ➤ Carbohydrates and O_2 are formed
3	Write the name of the body fluid <ul style="list-style-type: none"> ➤ Its flow is unidirectional ➤ From body organs to heart
4	Write the name of the unit <ul style="list-style-type: none"> ➤ Functional and structural unit of kidney ➤ This produces urine
II	Assertion and Reason type questions
5	Assertion: Pancreatic juice digest starch, protein and fats Reason: Pancreatic juice contains digestive enzymes like pancreatic amylase, trypsin and lipase
6	Assertion: Trachea does not collapse when there is air in it Reason: Trachea is supported by cartilage
7	Assertion: Capillaries are the thinnest blood vessels Reason: Capillaries connect the branches arteries and veins
8	Assertion: Ureters are the tubes which carries urine from kidney to bladder Reason: Urine is stored in urethra
III	Read the following and answer any four question from 9(i) to 9(v).

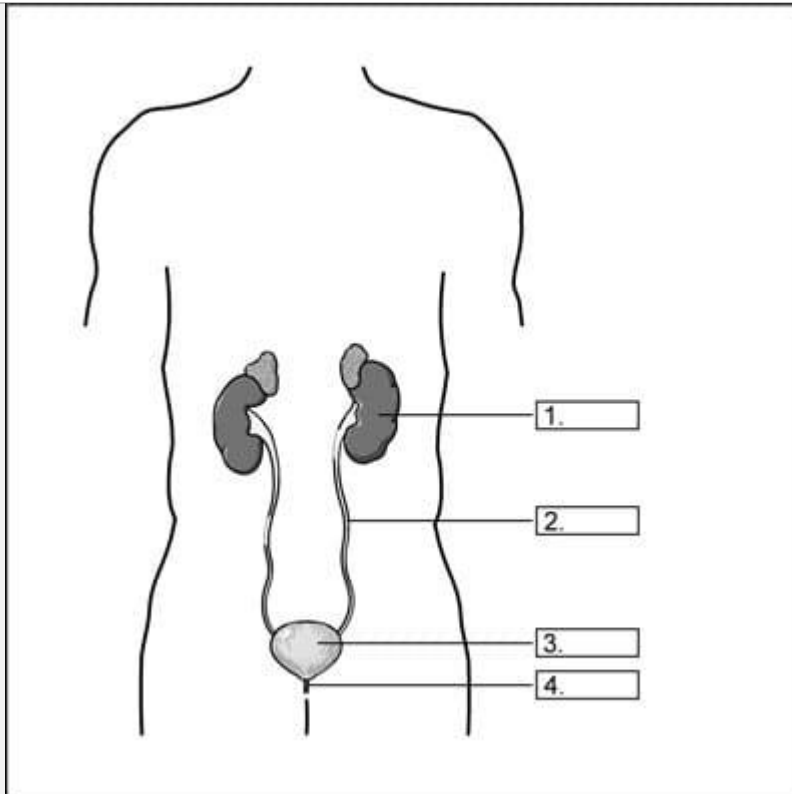
- 9 Heterotrophic nutrition is a mode of nutrition in which organism obtain readymade organic food from outside sources. The organism that depend upon outside sources for obtaining organic nutrients are called heterotrophs. Heterotrophic nutrition are of 3 types: saprophytic, parasitic and holozoic nutrition.
- (i) In which of the following groups of organisms' food material is broken outside the body and absorbed?
- (a) Mushroom, green plant, amoeba
 - (b) Yeast, mushroom, bread mold
 - (c) Paramecium, amoeba, Cuscuta
 - (d) Cuscuta, lice, tapeworm
- (ii) Which of the following is a parasite
- (a) Yeast
 - (b) Taenia
 - (c) Amoeba
 - (d) Earthworm
- (iii) Which of the following is an example of saprotrophic
- (a) Grass
 - (b) Mushroom
 - (c) Amoeba
 - (d) Paramecium
- (iv) Heterotrophic nutrition involves
- (a) Production of simple sugar from inorganic compounds
 - (b) Utilization of chemical energy to prepare food
 - (c) Utilization of energy obtains by plants
 - (d) All of the above
- (v) In paramecium, food enters the body through
- (a) Mouth
 - (b) pseudopodia
 - (c) Cilia
 - (d) Cytostome

MODEL EXAMINATION BIOLOGY

IV	Fill in the blanks
10	The energy released during respiration is stored as _____ and is utilized to maintain the bodily functions.
11	Bowman's capsule consists of network of capillaries called _____
12	Nitrogen is a major component of chlorophyll. It is also a component of amino acids which are called building blocks of _____

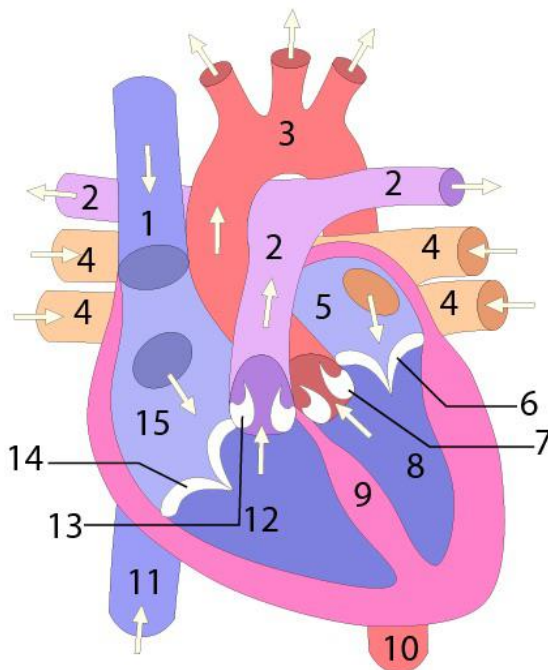
13	The vein which brings blood to left atrium from lungs is _____
V	Diagram based question
14	 <p>Identify B OR D</p>

15



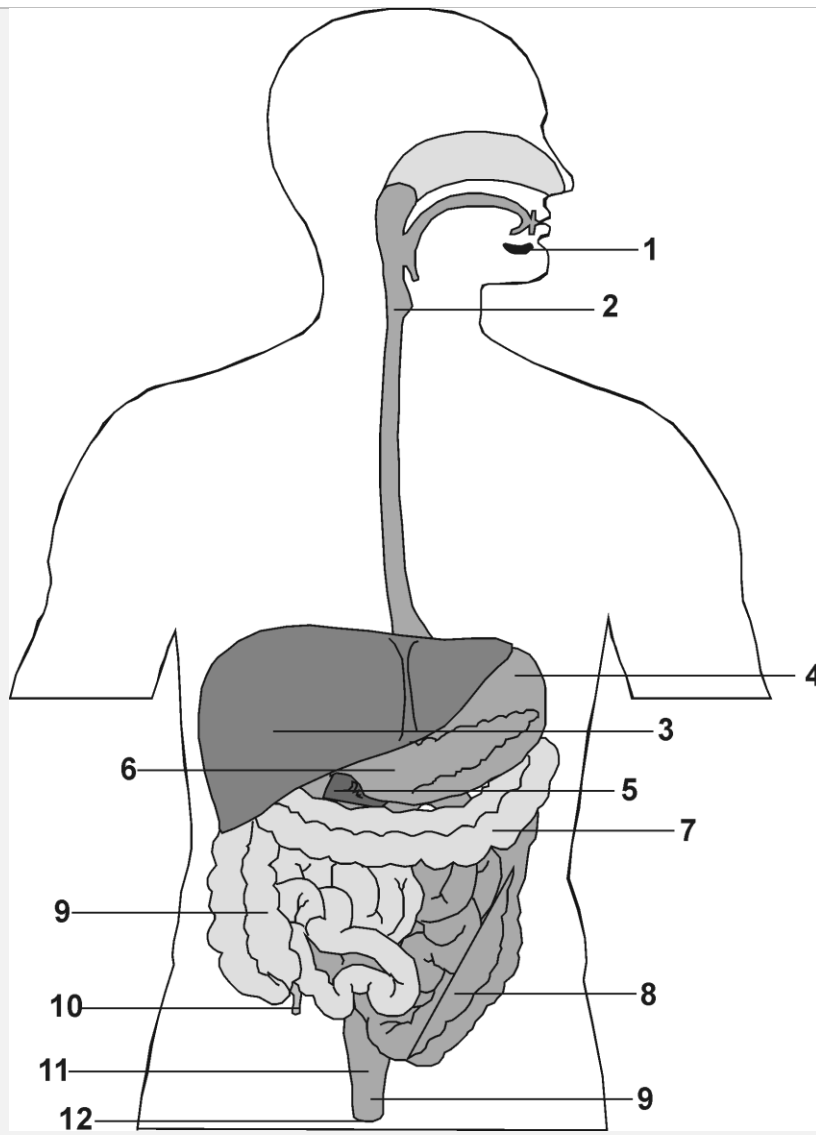
Identify 3 OR 4

16



Identify 12 OR 9 OR 8

17



Identify 5 OR 3