| | | | tine solution E) | | | |
|-------------------------------|--|---|--|------------|--|--|
| Conclusion | Observations | Procedure | LEST | | | |
| he contents of the visking | th in sonstadus boot shr to | st-tube in each case, test fo | ət s ni lm2 gnizU (q gnizu gnidut | <i>a)</i> | | |
| | | | nedict's solution olution F) | | | |
| | | | | | | |
| | | | ine solution Jution E) | | | |
| Conclusion | Observations | Procedure | TEST | | | |
| gnidut gnisking tubing | reach the level of the liqu | the visking tubing with w water into the beaker to istand for 30 minutes or m t-tube in each case, test for | eaker. Add distilled Ilow the set up to s | ∀ oq | | |
| | | s no leakage at both end | | | | |
| other end of the visking | visking tubing. Tie the | sking tubing tightly using ution labelled L into the | ut 10 ml of the sol bing tightly. | nı ıd | | |
| | a piece of thread. | th a visking tubing, a solu on labelled solution F and | , Benedict's solutio | E | | |
| | | (E/Is | ogy Paper 3 (23 | oloia E.p. | | |
| (20 marks) | oves in water. | om siqsliT as dous dañ ba | escribe how a finne | 8 D | | |
| (20 marks) | Describe the process of fertilization in flowering plants. | | | | | |
| nammals. (3 marks) | body temperature in n | ages of having constant | tate three a dvant | (p) | | |
| d in (c) (i) above. (2 marks) | that play the role stated | structures in mammals | i) Name two | i) | | |
| (1 mark) | this experiment. | le of the cotton wool in | Or State the ro | i) (ɔ) | | |
| (2 marks) | ט מטטעב מאליול עט מוז בוני | he explanation in (b) (ii | | τ) | | |
| Ctor o bue tredue | to no of viane evode (i | ii) (4) ai aoiteaclava ad | took wold (ii | :/ | | |
| (2 marks) | above. | r the answers in (b) (i) s | of truoppA (i | i) | | |
| (2 marks) | | | a | | | |
| | | | | | | |
| (2 marks) | | | V | | | |

| РНОТОGRAРН К | L H9AADOTOH9 |
|---|---|
| d M ₂ are sections of a mammalian heart. Examine | The photographs labelled J, K, M ₁ and them. |
| The Sales to the adjustment who the first in above. | (q) |
| | |
| Mached & Carrest programmed type value of Awar and the base of fines to the grammy comme | (ii) Benedict's solution (Solution F) |

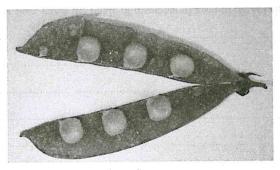
(a) The blue, green and cream strings go through various blood vessels and end up at various chambers of the heart. For each string, name the chamber where the string ends and the blood vessel through which the string goes.

РНОТОСКАРН М₁

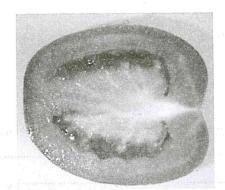
PHOTOGRAPH M2

| (I mark) | aph ${f K}_{\circ}$ indicate by letter B the part of the h | (e) In photogra |
|---|--|------------------|
| | | • |
| | | Х |
| orand from the applicational to the aperiation was | the mover problems of the second of the seco | Reason |
| 'ak' | HOCRANT T | A |
| ls. (4 marks) | on, identify the type of each of the blood vesse | With a reas |
| while M_2 shows transverse sections of | M_1 shows two blood vessels labelled X and M_2 lood vessels. | |
| e heart. Account for the difference in the (1 mark) | abelled 4 and 5 are walls of two chambers of th f the walls. | (c) The parts la |
| (l mark) | sart labelled 3 in photograph K. | (p) Name the p |
| | | Cream 2 |
| | | Cream 1 |
| | | Отееп |
| | | Blue |
| DIGOG ACCCL | Спатрег | SILING |

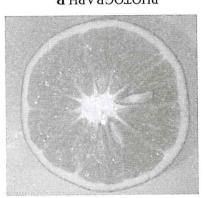
The photographs labelled Q, R, S and T are sections of some parts of plants.



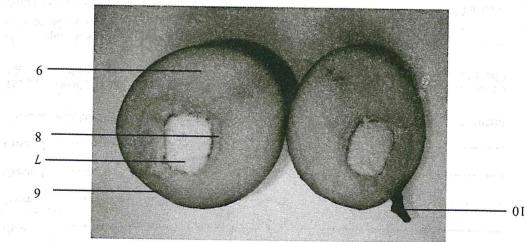
 \mathbf{Q} НЧОТОСРАРН \mathbf{Q}



PHOTOGRAPH S



РНОТОСВАРН **R**



РНОТОСРАРН Т

| | | | | | | | | Reason |
|---|---|-------------|----------------|--------------|------------|-------------------|------------|--|
| | | | | | | | | |
| ••••••••••••••••• | | | | | | | | |
| | •••••••••• | | | •••••• | | | ····· | ω |
| photograph (4 marks | ni snəmi: | of the spec | fersal of each | qsib To əbor | ıme the n | ср сязе, па | sə ni nosa | Giving a res \mathbf{Q} and \mathbf{T} . |
| ••••••• | •••••• | - | | | | | | 01 |
| •••••• | ······ | | | | | | | 6 |
| ••••••••••••••••••••••••••••••••••••••• | ••••••••••••••••••••••••••••••••••••••• | ••••••••• | | | | | | 8 |
| •••••• | | | | | | | | L |
| | | | | | | | ••••••• | 9 |
| (5 marks | | | .T dq | in photogra | 01 bas 9 | '8 'L '9 pə | arts label | (c) Name the p |
| (2 marks | | | | | S pur | graphs R s | otodq ni b | es a ladad (d) |
| I * 3. | | | .1 | | | | | 3 |
| *************************************** | | | | | | | | В |
| 2016 11 | | | ··· › - ··· | | r un . | | | δ |
| (3 marks | S pue | Raphs Q, R | gotodq ni nw | cimens sho | in the spe | noitation | ype of pla | (a) Name the t |