

14/5/15

(19)

S.E
III KT
BM
III
CBGS
HAP

Q.P. Code : 4860

(3 Hours)

[Total Marks : 80

- N.B. : (1) Attempt any four questions.
(2) Figures to the right indicate full marks.
(3) Draw diagram wherever necessary.

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| 1. Attempt any four. | 20 |
| (a) Explain spermatogenesis. | |
| (b) Explain conduction system of Heart. | |
| (c) Explain composition of Blood. | |
| (d) Explain the steps of coagulation. | |
| (e) State the accessory organs of the digestive system & their functions. | |
| 2. (a) Explain the physiology of hearing. | 10 |
| (b) List the endocrine glands & state their secretion & functions. | 10 |
| 3. (a) Explain the microscopic structure of nephron with a neat diagram. | 10 |
| (b) Explain structure & function of cell with all organelles. | 10 |
| 4. (a) Draw ECG waveform explaining it along with a note on bipolar lead configuration. | 10 |
| (b) Explain epithelial tissue in detail. | 10 |
| 5. (a) Explain lobes of cerebrum in detail. | 10 |
| (b) Explain nerve action potential in detail. | 10 |
| 6. (a) Explain cardiac cycle in detail. Add a note on Cardiac output & stroke volume. | 10 |
| (b) Describe the exchange of gases in lungs. | 10 |