

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Human Anatomy & Physiology-II

Subject Code: 4PS02HAP2

Branch: B.Pharm

Semester: 2

Date: 02/05/2018

Time: 10:30 To 01:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Explain the following terms:

- | | |
|---|------|
| (a) Internal respiration | (01) |
| (b) COPD | (01) |
| (c) Neurotransmitter | (01) |
| (d) Synapse | (01) |
| (e) Blood brain barrier | (01) |
| (f) CSF | (01) |
| (g) Preganglionic nerve | (01) |
| (h) Glaucoma | (01) |
| (i) Spermatogenesis | (01) |
| (j) Resting membrane potential | (01) |
| (k) Tidal volume | (01) |
| (l) Vital capacity | (01) |
| (m) Sensory receptor | (01) |
| (n) Give location of juxta glomerular apparatus | (01) |

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions

- | | |
|---|------|
| (a) What is eye? Draw a well labeled diagram of eye ball. | (07) |
| (b) Describe in detail about physiology of hearing | (07) |

Q-3 Attempt all questions

- | | |
|---|------|
| (a) What is external respiration? Draw a well labeled diagram of respiratory system | (07) |
| (b) Describe in detail about physiology of respiration | (07) |

Q-4 Attempt all questions

- | | |
|--|------|
| (a) Describe in detail about signal transmission at synapses | (07) |
| (b) What is neuron? Draw a well labeled diagram of neuron | (07) |

Q-5 Attempt all questions

- | | |
|--|------|
| (a) Differentiate sympathetic and parasympathetic nerve system | (07) |
| (b) Describe in detail about reflex arc | (07) |



- Q-6** **Attempt all questions**
- (a) What is nephron? Draw a well labeled diagram of nephron (07)
- (b) Describe in detail about rennin angiotensin system (07)
- Q-7** **Attempt all questions**
- (a) Enlist hormones secreted from pituitary gland. Write in detail about Growth hormone. (07)
- (b) Enumerate hormones of pancreas. Write functions of insulin (07)
- Q-8** **Attempt all questions**
- (a) Describe in detail about physiology of menstruation (07)
- (b) What is oogenesis? Draw a well labeled diagram of female reproductive system (07)

