



**RUHS RUHS FIRST Year MBBS EXAMINATION**

**July 2018 TIME: 3 HOURS TOTAL MARKS: 50**

**INSTRUCTIONS:**

1. Que. No. 1 in section A is compulsory. Attempt ANY TWO questions from rest of the questions in section A. Attempt ANY THREE questions in section B.

2. Use separate answer sheet for each section.

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**Section A**

Q1. Give reasons for following

- a) People are normally unaware of their blind spot
- b) There will be polydipsia in diabetes mellitus patients.
- c) Nicotinic Cholinergic Blocker will cause paralytic asphyxia without heart failure
- d) Pregnant women have anaemia
- e) REM Sleep is paradoxical sleep

Q2. Describe in brief

- a) Properties of skeletal muscle
- b) Female contraceptive methods

Q3. Write difference between (any two)

- a) Single unit and multi-unit smooth muscle
- b) Chemical and electrical synapse
- c) Fast and slow pain.

Q4. Write short notes on

- a) Passive Transport
- b) Synthesis of thyroid hormones
- c) Functions of glucocorticoids
- d) Myasthenia Gravis

**SECTION B**

Q5 Describe the following

- a) LH surge
- b) Events occur at Neuro-Muscular junction

Q6. Draw labelled diagram/ flow chart (any two)





- a) Sarcotibular system
- b) Optic pathway & its lesions
- c) Ovulation

Q7) Write in brief

- a) Gate control theory of pain
- b) Lactation

Q8. Discuss the following

- a) Classification of Nerve Fiber
- h) Functions of Placenta

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