Date of issue :

Centre :

Sup. Sign. :

Seat No. :

## PR-4003-O

## First Year M. B. B. S. Examination

June / July – 2014

## Physiology : Paper - I

Time : 10 Minutes] [Total Marks : 10

## OBJECTIVE QUESTIONS

**Instructions :**

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.
Name of the Examination :
☛ FIRST YEAR M. B. B. S.
Name of the Subject :
☛ PHYSIOLOGY : PAPER - I
☛ Subject Code No. : 4 0 0 3 ☛ Section No. (1, 2,.....) : Nil

Seat No. :

Student's Signature

(2) Mark the most appropriate choice with black ball pen for the following MCQs in separate OMR sheet provided.

(3) Each correct entry credits one mark. No deduction of marks for incorrect entry.

Q. 5 MCQs :

1. Caisson's disease is also known as
   a. Dysbarism
   b. Decompression sickness
   c. Bends
   d. All of the above

2. A height in excess of............meters is defined as high altitude.
   a. 500
   b. 1000
   c. 3000
   d. 10000

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3. Gastric emptying is influenced by
    - a. Increased intra gastric pressure
    - b. Acidity in first part of duodenum
    - c. Osmolaritry of gastric chime entering duodenum
    - d. All of above
4. Cardiac muscle is not tetanisable because it has
    - a. Specialised conductive tissues
    - b. Intercalated disc
    - c. Long refractory period
    - d. AV nodal delay
5. Sympathetic stimulation to the heart would cause following effects
    - a. Positive chronotropic & inotropic
    - b. Positive inotropic & negative dromotropic
    - c. Negative bathmotropic & positive chronotropic
    - d. Negative chronotropic & positive inotropic

6. The most important mechanism in balancing the output of the two sides of the heart is
    - a. Marey's reflex
    - b. Bainbridge effect
    - c. Laplace effect
    - d. Frank-starling effect
7. GFR can be increased by
    - a. Increased arterial blood pressure
    - b. Increase plasma protein concentration
    - c. Efferent arteriolar dilation
    - d. Afferent arteriolar constriction
8. Each act of swallowing is associated with
    - a. Stoppage of breathing
    - b. Increased heart rate
    - c. Approximation of vocal cord
    - d. All of the above
9. Which of the following is not a calcium binding protein
    - a. Troponin
    - b. Calmodulin
    - c. Calsequetrin
    - d. tropomyosin
10. Rheobase is defined as
    - a. Minimum time required to excite the tissue
    - b. Minimum voltage required to excite the tissue
    - c. Minimum voltage required to excite the tissue when double than the chronaxie is applied
    - d. Minimum time required to excite the tissue when double voltage is given

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