



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)

<p>નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : FIRST YEAR M. B. B. S.</p> <p>Name of the Subject : PHYSIOLOGY : PAPER - I</p> <p>Subject Code No. : 4 0 0 3 Section No. (1, 2,.....) : Nil</p>		<p>Seat No. : <input type="text"/></p> <p><input type="text"/></p> <p><input type="text"/></p> <p><input type="text"/></p> <p><input type="text"/></p> <p><input type="text"/></p> <p>Student's Signature</p>
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- (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 :

- Caisson's disease is also known as
 - Dysbarism
 - Decompression sickness
 - Bends
 - All of the above
- A height in excess of.....meters is defined as high altitude.
 - 500
 - 1000
 - 3000
 - 10000

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[Contd....

3. Gastric emptying is influenced by
 - a. Increased intra gastric pressure
 - b. Acidity in first part of duodenum
 - c. Osmolarity 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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600