



Date of issue :  Centre :   
 Sup. Sign. :  Seat No. :

**JJ-4006-O**
**First Year M. B. B. S. Examination**
**June - 2013**
**Biochemistry : Paper - II**

Time : 10 Minutes]

[Total Marks : 10

**OBJECTIVE QUESTIONS**
**Instruction :**

5-46 2013-14 ☐ Fillup strictly the details of ☐ signs on your answer book.  
 Fillup strictly the details of ☐ signs on your answer book.  
 Name of the Examination :   
 F. Y. M.B.B.S.  
 Name of the Subject :   
 Biochemistry-2  
 Subject Code No. :  4  0  0  6 Section No. (1, 2, ...)  Nil  
 Student's Signature

5 MCQ(no negative marking) Choose single best answer 10

1 Following can be stored in body in quantity sufficient to last few years :

- (a) Vitamin B<sub>1</sub>
- (b) Vitamin C
- (c) Vitamin B<sub>12</sub>
- (d) Vitamin B<sub>6</sub>

2 A patient has had a series of blood clots, and has been placed on warfarin to reduce such incidents. Warfarin exerts its effect by blocking which of the following ?

- (a) Platelet biogenesis
- (b) Phospholipid synthesis
- (c) Clotting factor protein synthesis
- (d) Formation of  $\gamma$ -carboxyglutamate

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[ Contd...

- 3 A 42-year-old woman presents with tiredness and lethargy. She has tingling in her hands and feet. Blood work shows a macrocytic anemia, along with elevated homocysteine levels. One would also expect to see elevated levels of which metabolite?
  - (a) Ketone bodies
  - (b) Methylmalonic acid
  - (c) Propionic acid
  - (d) Succinate
- 4 Most prominent DNA damage by UV light is
  - (a) double strand breakage
  - (b) base substitution
  - (c) pyrimidine dimer
  - (d) purine dimer
- 5 Oncogenes commonly code for all except
  - (a) growth factors
  - (b) growth factor receptors
  - (c) tyrosine kinase
  - (d) proteins involved in DNA repair
- 6 Hemopexin binds to
  - (a) Free Heme
  - (b) oxidized Hemoglobin
  - (c) Free Iron
  - (d) reduced hemoglobin
- 7 When DNA point mutation occur, following is transversion,
  - (a) A→T
  - (b) A→G
  - (c) C→T
  - (d) C→U
- 8 Niacin can be formed from
  - (a) Thiamine
  - (b) Threonine
  - (c) Tyrosine
  - (d) Tryptophan

- 9 Non competitive inhibitors : (6)
- (a) Increase  $K_m$
  - (b) Do not affect  $V_{max}$
  - (c) Decrease  $K_m$
  - (d) Decrease  $V_{max}$
- 10 Pyridoxal phosphate is required as a coenzyme in :
- (a) Transamination
  - (b) Transulphuration
  - (c) Deamination
  - (d) Transketolation