

[LE 0212]

FEBRUARY 2014

Sub. Code: 1601

**DIPLOMA IN OPHTHALMIC NURSING ASSISTANT
FIRST YEAR
PAPER I – ANATOMY, PHYSIOLOGY & BIOCHEMISTRY**

Q.P. Code : 841601

Time : Three hours

Maximum : 100 marks

Answer all questions

I. ELOBORATE ON: (3×10=30)

1. Describe the structure and functions of lens. Add a note on accommodation.
2. Describe the theories of colour vision in detail. Add a note on colour blindness.
3. Describe the urea cycle. What is the normal blood urea level? Name two conditions in which blood urea level increases.

II. WRITE NOTES ON: (10×5=50)

1. Choroid
2. Lacrimal apparatus
3. Retinal pigment epithelium
4. Aqueous humour
5. Wald's visual cycle
6. Glycogenolysis in liver
7. Photochemistry of retina
8. Refractive errors of eye
9. Actions of extra ocular muscles
10. Functions of tear film

III. SHORT ANSWERS ON: (10×2=20)

1. What are rods and cones?
2. Name the cranial nerve supplying the eyeball.
3. What is electro oculogram?
4. What is hemianopia?
5. What is the difference between DNA and RNA?
6. What is stereopsis?
7. Name the sulphur containing amino acids.
8. Name the folate antagonists.
9. What are phospholipids?
10. What is metabolic acidosis?
