BRAINWARE UNIVERSITY

Term End Examination 2022
Programme – B.Optometry-2019/B.Optometry-2020
Course Name – Low Vision & Rehabilitation
Course Code - BOPTO502
(Semester V)

Full Marks : 60   **Time : 2:30 Hours**
[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A
(Multiple Choice Type Question)   1 x 15=15

1.   *Choose the correct alternative from the following :*

(i)   Define moderate visual impairment as per visual acuity of better seeing eye

   a) <6/18 to 6/60   b) <6/60 to 3/60
   c) <3/60 to LP   d) None of these

(ii)   Myopic macular degeneration causes

   a) Overall blurred vision   b) Central field loss
   c) Peripheral field loss   d) all of these

(iii)   Select the basic principle of spectacle magnifier is

   a) Relative distance magnification   b) relative size magnification
   c) angular minification   d) none of these

(iv)   Pin hole contact lens cannot be used as Low vision Aids in

   a) albinism   b) aniridia
   c) central corneal opacity   d) both 1 and 2

(v)   Select which of the following technique can be used to refract patients with low vision?

   a) Autorefractometry   b) retinoscopy
   c) Keratometry or corneal topography   d) all of these

(vi)   Select from the following, what is the main cause of Low Vision?

   a) Glaucoma   b) Age
   c) Cataract   d) Watching too much TV

(vii)   The image formed is_____in Galilean Telsecope

   a) magnified, inverted, virtual   b) magnified, errect, real
   c) magnified, errect, virtual   d) magnified, inverted, real

(viii)   Choose which statement is correct when a low vision patient uses an electronic low vision device?

   a) It provides a comfortable reading distance   b) High magnification can be obtained
   c) Contrast of the display can be enhanced   d) all of these

(ix)   Select which of the follwing device is advisable in a patient with impaired contrast sensitivity?

   a) illuminated magnifier   b) peaked cap

c) non illuminated magnifier with lower magnification d) none of these

(x) Select the greatest advantage of large type materials is that they

 a) they provide comfortable and habitual reading distance b) patient may use both the eyes while reading large print materials

 c) Large print materials are portable d) both 1 and 2

(xi) CCTV incorporates the following magnification

 a) relative size magnification b) projection magnification

 c) relative distance magnification d) both relative size and relative distance magnification

(xii) What type of base in prism effect is incorporated in spectacle magnifer to achive required amount of

 a) Magnification b) Convergence

 c) accomodation d) all of these

(xiii) Choose which of the follwing can be considered as an assistive device for visual impairment?

 a) text scanner b) closed circuit television

 c) mobility cane d) all of these

(xiv) Which of the following is not true about the Galilean telescope:

 a) it is made up of two convex lenses b) the image produced is usually dimmer than that seen by the naked eye

 c) it is usually lighter than the astronomical telescope d) it is usually shorter than the astronomical telescope

(xv) Select which of the follwing can assist patients who have difficulty in orientation and mobility

 a) Mobility cane b) Sighted guide

 c) guide dog d) all of these

Group-B
(Short Answer Type Questions) 3 x 5=15

2. Explain the categories of low vision (3)
3. Write short note on glare control (3)
4. Write about angular magnification? (3)
5. Explain Legal blindness (3)
6. Advantages and disadvantages of hand magnifier (3)

OR

 Explain history taking in low vision (3)

Group-C
(Long Answer Type Questions) 5 x 6=30

7. Define Contrast Sensitivity & mention the chart used for testing (5)
8. Visual acuity assessment in patients with low vision (5)
9. Vision charts in low vision (5)
10. Categories of visual impairment (5)
11. Write about refraction procedure in low vision patients (5)
12. Management of low vision patients (5)

OR

 Environmental modification in patients with low vision (5)

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