2023

AUGUST

Visual Optics

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9	<u>e</u>	Wri	j)	1)	h)	8	Ĵ	e)	d)	c)	b)	a			7
b) Irregular astigmatism	Emmetropization	Write short note on (any five): [5X6=30]	The axial length of adult human eye is	Emmetropization is a	The far point of accommodation is at	The normal central corneal thickness is	The optic axis is	may be seen in nuclear sclerosis.	Curvatural the outer le	is also known as flip cylinder.		The duochrome test is based on the principle of	Fill in the blanks: [1X10=10]	The Jigures in the margin indicate full marks for the questions Answer all questions	Full Marks – 80 Time – 3 Hours

Turn over

d) Retinoscope and the process of neutralization in retinoscopy.

c) Fogging

- Measurement of the near point of accommodation?
- Astigmatism.
- Presbyopia
- 3) Answer *any four* of the following:

[10X4=40]

- a) Define astigmatism. Explain its different types.
- b) Explain different optical components of the eye.
- c) What do you mean by subjective refraction? Explain different subjective refraction method.
- <u>d</u>) What is AC/A ratio? What are the methods to measure the AC/A ratio of the eye.
- e) What are the anomalies of accommodation? Explain in details with the management options.

(SS/BOPT-II/VIOP/08-23)