CERTIFICATE IN DISPENSING OPTICS (CDO)

Term-End Examination June, 2015

OAH-005: PROGRESSIVE LENS

Time: 90 Minutes Maximum Marks: 30

Note:

- (i) There will be multiple choice type of questions in this examination which are to be answered in **OMR Answer Sheets**.
- (ii) All questions are compulsory.
- (iii) Each question will have four options and only one of them is correct. Answers have to be marked in figures in the appropriate rectangular boxes corresponding to what is the correct answer and then blacken the circle for the same number in that column by using HB or lead pencil and not by ball pen in **OMR Answer Sheets**.
- (iv) If any candidate marks more than one option, it will be taken as the wrong answer and no marks will be awarded for this.
- (v) There will be 30 questions in this paper and each question carries one mark.
- (vi) There will be no negative marking for wrong answers.
- (vii) No candidate shall leave the examination hall at least for one hour after the commencement of the examination.

1.	Trif	ocal lens type has								
	(1)	One segment line								
	(2)	Two segment line								
	(3)	Three segment line								
	(4)	Four segment line								
2.	Whi indi	ch of the following lenses claims to provide natural vision like a young vidual?								
	(1)	Progressive lenses								
	(2)	Bifocal lenses								
	(3)	Single vision lenses								
	(4)	Trifocal lenses								
3.	In p	rogressive addition lenses, increase in power is caused by an increase in								
	(1)	Curvature in progressive zone								
	(2)	Radius of progressive zone								
	(3)	Diameter of progressive zone								
	(4)	None of the above								
1 .	Sho	rter corridors produce more								
	(1)	Rapid power changes								
	(2)	Slow power changes								
	(3)	Moderate power changes								
	(4)	None of the above								
5.	With a progressive lens the criterion for good binocular vision is to enable									
	(1)	Artificial fusion								
	(2)	Natural fusion								
	(3)	Both (1) and (2)								
	(4)	None of the above								

B.	The e	es naturally	
	(1)	liverge while gazing for hear	
	(2)	onverge while gazing for hear	
	(3)	Soth (1) and (2)	
	(4)	None of the above	
7.	The of co	ower progression must be positioned on the lens in order to follow the eye's path vergence downwards in the	
	(1)	Vasal direction	
	(2)	Temporal direction	
	(3)	Both (1) and (2)	
	(4)	None of the above	
8.	To e	sure what kind of fusion must the retinal images formed in each eye be similar directions of gaze?	,
	(1)	Sensorial	
	(2)	Motor	
	(3)	Both (1) and (2)	
	(4)	None of the above	
9.	The	original Varilux design, is now known as	
	(1)	Varilux 1	
		Varilux 2	
	(3)	Varilux 3	
	(4)	Varilux 4	
10.	The	e is no image	
	(1)	Shift in PALs	
	(2)	Jump in PALs	
	(3)	Both (1) and (2)	
	(4)	None of the above	

11.		what types of progressive lens design are large areas of the lens free from igmatism?		
	(1)	Hard design		
	(2)	Soft design		
	(3)	Both (1) and (2)		
	(4)	None of the above		
12.	Wh per	ich one of the following is the process of modelling the theoretical optical formance of the lens as perceived by the wearer with the lens?		
	(1)	Ray tracking		
	(2)	Ray tracing		
	(3)	Both (1) and (2)		
	(4)	None of the above		
13.	13. For which of the following molds, often used for cast materials like hard resin mill may cut a progressive surface onto a ceramic former?			
	(1)	Glass		
	(2)	Plastic		
	(3)	Both (1) and (2)		
	(4)	None of the above		
14.	4. A single vision reading lens consists of a single sphere of appropriate radius provid correction for near vision only.			
	(1)	True		
	(2)	False		
•	(3)	None of the above		
	(4)	Can't say		
15.	A pr	ogressive addition lens has no disadvantage.		
	(1)	True		
	(2)	False		
	(3)	None of the above		
	(4)	Can't say		
OAH	-005	4		

16.		antage of wider figmatism.	eld of clear v	ision but p	roduce high	er amounts	of unwan
	(1)	True					
	(2)	False					
	(3)	None of the above	e				
	(4)	Can't say					
17.	Spacinflu	ce and form perce nenced by the distr	eption is pro- ibution of pris	vided by them on the pr	ne retina's progressive le	periphery a ns surface.	nd is dire
	(1)	True				•	
	(2)	False					
	(3)	None of the above	е				
	(4)	Can't say					
18.	ope	iable power lense		ше шеспал	ncai means	or acquisin	ing the po
		True					
	(2)						
	(3)	None of the abov	re				
	(4)	Can't say					
19.	The	e eyes do not natur	ally converge	when the ga	ze is lowere	d for near v	sion.
	(1)	True					
	(2)	False					
	(3)	None of the abov	ve	•			
	(4)	Can't say					
	~ .			h	ana into am	all rogions	ediacent to
00		t design concentra gressive corridor a			ons mw sm	an regions o	aquoon o
20.	•				•		
20.	(1)	True					
20.		True False					
20.	(1)	•	ve				•
20.	(1) (2)	False None of the abov	ve				
	(1)(2)(3)	False None of the above Can't say	ve	5			

21.	Hard designs impose a lower location of the near vision add area, which forces greater eye or head movements to use that area.				
	(1)	True			
	(2)	False			
	(3)	None of the above			
	(4)	Can't say			
22.	22. The surface astigmatism inherent in progressive lenses produces a significant of cylinder power, which the wearer perceives as blur.				
	(1)	True			
	(2)	False			
	(3)	None of the above			
	(4)	Can't say			
23.	Early progressive lenses were symmetrical in design, so that the right and left lense were identical.				
	(1)	True			
	(2)	False			
	(3)	None of the above			
	(4)	Can't say			
24.	In dispensing a pair of progressive power of lenses, it is imperative to ensure that each lens is correctly positioned with respect to the pupil.				
	(1)	True			
	(2)	False			
	(3)	None of the above			
	(4)	Can't say			
25.	The frame should be closely fitting with the smallest possible vertex distance and the correct pantoscopic angle.				
	(1)	True			
	(2)	False			
	(3)	None of the above			
	(4)	Can't say			

26.	When there is need of separate corrections for distance, intermediate and near vision, prescription can be given in one pair of spectacles as trifocal lenses.							
	(1)	True						
	(2)	False						
	(3)	None of the above						
	(4)	Can't say						
27.	The	Omnifocal lens was the plastic lens.						
	(1)	True						
	(2)	False						
	(3)	None of the above						
	(4)	Can't say						
28.	Wit.	a progressive lens the eye can find some region of the progression zone where power is correct for the viewing distance.						
	(1)	True						
	(2)	False						
	(3)	None of the above						
	(4)	Can't say						
29.	Perception of movement is perceived by the whole of the cornea which is almost uniformly sensitive to motion.							
	(1)	True						
	(2)	False						
	(3)	None of the above						
	(4)	Can't say						
30.	Bif pro	ocals help matters by providing one fixed amount of extra power, while trifocals vide two, usually in steps of one diopter or more.						
	(1)	True						
	(2)	False						
	(3)	None of the above						
	(4)	Can't say						
OA	H-00	5						

SPACE FOR ROUGH WORK

500

8