

TEE/BOPTO605/2019/2021 - 22



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22 **Programme – Bachelor of Optometry Course Name – Occupational Optometry Course Code - BOPTO605** (Semester VI)

Full Marks: 60 Time allotted: 1 Hrs.15 Min.

[The figure in the margin indicates full marks.]

Group-A

(Multiple Choice 7	Гуре Question)	1 x 60=60
Choose the correct alternative from the following:		
(1) Adhesions between palpebral and balbar conjuncti	iva	
a) Symblepharon	b) Ankyloblepharon	
c) Layophthalmos	. d) Blepharitis	
(2) Sunflower cataract is produced by deposition of	•	
a) calcium	b) Iron	
c) Copper	d) Protein	
(3) Nagles anomaloscope is used to check		
a) colour vision	b) field of vision	
c) Binocular vision	d) Steriopsis	N. Carlot
(4) Units of illumination is		
a) mm/Hg	b) cm2	
c) LUX or foot candles	d) Jule	
(5) What is the foremost requirement of an Occupation Visual performance?	onal optometrist before his advice on	
 a) To visit the place of work and understand the precise knowledge of the visual demands for the worker 	b) To do detailed ocular examination of employee and prescribe him the app glass prescription	
c) To interact with the employer and evaluate the	d) To evaluate work environment and modifications	advise

(6) Which one of the combinations is ideal for successful occupational optometry clinical

practice?

a) Assessment of work place/task and

b) Matching the visual abilities to the visual

assessment of individual visual capabilities	requirements of the job
 c) Matching visual field to the visual requirements of the job 	d) Matching work and visual acuity
(7) Which are the factors that influence the visual perf	formance
 a) The visual capability of the individual, the visibility of the task, psychological and general physiological factors 	b) Visual and Non Visual variables
 c) Detection, recognition, color discrimination, depth perception 	d) Size of the task, and contrast sensitivity only
(8) Individual working with VDU will have more den than visual field	nand for central visual field
a) Up	b) Peripheral
c) Central	d) Left down field
(9) A young man who wants to get the driving license certificate. What is the expected visual acuity lega on Indian roads?	e visited your clinic with the need for a ally for him/her to get eligibility to drive
a) 6./12	b) 6./18
c) 6./9	d) 6./6
(10) Individual with monocular vision is:	
a) Not allowed to drive	b) Allowed to drive only two wheelers
 c) Allowed to drive after adaptation to loss of visual field and stereopsis 	 d) Allowed to drive only by lanes and not on highways
(11) Why do people lower their head rather than depres	ssing the eye during reading at a desk?
 a) Head movement generally occur when the eye movement exceeds 25 degree 	b) Head movement generally occur when the eye movement exceeds 35 degree
c) Head movement generally occur when the eye movement exceeds 5 degree	d) Head movement generally occur when the eye movement exceeds 15 degree
(12) An employee who works in copper mine was four more than 8 minutes on evaluation:	nd to have regeneration of his rods to be
 a) Advise him to continue in the job due to more regeneration time 	b) Advise him to discontinue in the job due to more regeneration time
c) Advise him to shift to newer job	d) Advise him to wear yellow tinted lenses
(13) Which is the better assessment of a person's visua driving?	
a) Visual acuity	b) Contrast sensitivity
c) Color vision	d) Vernier acuity
(14) A 30 years old gentleman working in an electronic difficulty in doing the job for a prolonged time. The limits. Identify the cause and solution:	c industry came with the complaint of he gentleman was ocularly within normal
a) Smaller size target, Magnifier	b) Bigger size target, Minifier
c) Reflection, Decrease illumination	d) Poor illumination, Increase illumiantion
(15) What is the visual acuity necessary for the individ while performing near tasks?	lual not to have any eyestrain or fatigue
a) Twice of the visual demand	b) Thrice of the visual demand
c) Same as the visual demand	d) One third of the visual demand
	visual delilalid

(16) What is the mathematical formula to calculate visu the object size at job?	al acuity required based on the detail of	
a) Tan visual angle= Size of critical detail/working distance	b) Using graphical method	
c) Cos visual angle = Size of critical detail/working distance	d) 31278/ maximum height of the object of regard	
(17) In electronics industry the employees are advised t		
a) Visual angle is less than 3 min of arc at the job	b) It is dimly lighted	
c) Working distance is very near	d) All the employees are very old	
(18) If a person deal with angular size of critical detail of expected optimum visual acuity required for the person deal with angular size of critical detail of expected optimum visual acuity required for the person deal with angular size of critical detail of expected optimum visual acuity required for the person deal with angular size of critical detail of expected optimum visual acuity required for the person deal with angular size of critical detail of expected optimum visual acuity required for the person deal with angular size of critical detail of expected optimum visual acuity required for the person deal with angular size of critical detail of expected optimum visual acuity required for the person deal with angular size of critical detail of expected optimum visual acuity required for the person deal with a size of critical detail of expected optimum visual acuity required for the person deal with a size of critical detail of expected optimum visual acuity required for the person deal with a size of critical detail of expected optimum visual acuity required for the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the person deal with a size of critical detail of the criti	of about 10 min of arc, what is the	
a) 6/30, N20	b) 6/48, N30	
c) 6/12, N12	d) 6/4.5, N3	
(19) If a person deal with angular size of critical detail of about 1.5 min of arc, what is the expected optimum visual acuity required for the person?		
a) 6/30, N20	b) 6/48, N30	
c) 6/12, N12	d) 6/4.5, N3	
(20) If the luminance is increased beyond a level, the vi	sual acuity will suffer because of:	
a) Disability glare	b) Discomfort glare	
c) Veiling glare	d) Reflections	
(21) What type of form acuity should be evaluated/estin micrometers or precision gauges	nated in people who are working with	
a) Visual acuity	b) Vernier acuity	
c) Contrast sensitivity	d) Color vision	
(22) movements are required for the job where per sec is achieved:	in the target speeds of above 60 degree	
a) Head	b) Version	
c) Vergence	d) Neck and eye	
(23) What will happen if there is no compensatory head than 60 degree per sec?	movements for the target speed more	
a) Visual acuity drop	b) Visual acuity improves	
c) Visual acuity stabilizes	d) Totally blinds	
(24) Which is the most accurate visual function test for tasks on a conveyor belt?	people who are working in inspection	
a) Visual acuity	b) Vernier acuity	
c) Dynamic acuity	d) Steriopsis	
(25) If an Air traffic controller doesnot pass the color vis	sion test, we can advise:	
a) Not to continue the same job	b) Shift the person to administrative job	
c) Advise him with X chrome contact lens	d) Train him again on the job	
(26) Do you recruit an optometrist with color vision defe optometrist?	ect into your organization as	
	b) Yes, and give all type of work	
c) No	d) Yes, but motivate him to act as supervisor	
(27) What visual function is important for fork lift opera	tors and pilots?	

	b) Vernier acuity
a) Color vision	d) Both 1 & 2
c) Stereopsis (28) A patient with heterophoria and less positive fusion and less positive fusio	onal reserve was advised to work as a
(28) A patient with heterophoria and less positive rust crane operator by an optometrist.	to the state of th
a) The optometrist is correct	b) The optometrist is wrongd) The optometrist should advise him to wear
 c) The optometrist should have advised for fusional exercise before recruiting 	d) The optometrist should havise him to wear prism glasses
(29) What is the main reason for referral in industrial	vision screening?
a) Defective distance vision	b) Defective near vision
c) Defective distance vision	d) Defective color vision
(30) What is the ideal sequence of the eye protection p	
	b) Vision screening, implementation of the
 a) Plant environment survey, vision screening, implementation of the program, maintenance of the program 	program, maintenance of the program, plant environment survey
c) Plant environment survey, implementation of the program, maintenance of the program, vision screening	 d) Plant environment survey, implementation of the program, maintenance of the program, vision screening in regular intervals
(31) The most common eye effect of radiation exposu	re is:
a) The formation of cataract	b) The formation of corneal keratitis
c) Corneal edema	d) Conjunctivitis
(32) Arc eye is common among:	
a) Field workers	b) Welders
c) Librarians	d) Construction workers
(33) FM radio is the source of:	
a) UV wave	b) Gamma Rays
c) Microwave	d) X rays
(34) The direct effect of microwave radiation is due to	o:
a) Increase in eye pressure	b) Increase in temperature of the tissue
c) Decrease in temperature	d) Decrease in eye pressure
(35) All Ophthalmic surgical lasers are:	
a) Group 1	b) Class 2
c) Class 3	d) Class 4
(36) How to reduce the damage to tissues due to radia instruments?	ations while using ophthalmic
a) IR, UV filters, Corneal occluders	b) Use torch light only
c) Do the procedure within 10 secs	d) Imaging technique
(37) If an area of 0.2 square meters receives a luminor equal to:	us flux of 40 lumens, the illuminance will
a) 400 lux	b) 400 lumens
c) 200 lux	d) 200 lumens
(38) What is recommended uniformity of illuminance	Over a task area?
a) 0.5	b) 0.6
c) 0.8	d) 0.4
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(39) The difference in illuminance between the task and general areas should be in the ratio of:

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a) 3:1	b) 2:1
c) 1:3	d) 10:1
(40) Ideal illuminance lux for consulting room of an o	
a) 200	b) 300
c) 400	d) 100
(41) ISO suggest that Hz display will appear flic	cker free:
a) 72	b) 82
c) 100	d) 50
(42) The minimum character height to produce ergonovisual display is:	omically comfortable visual targets on a
a) 3 mm	b) 6 mm
c) 9 mm	d) 5.5 mm
(43) Regular use of a display screen has been shown to	to cause increasing hyperopia:
a) Yes	b) No Myopia
c) Sometimes	d) No evidence
(44) As per WHO-NPCB (1986-89) survey, all of the blindness in India except:	following are true about causes of
a) Cataract 55%	b) Refractive errors 7.35%
c) Glaucoma 1.7%	d) Trachoma 0.39%
(45) The following are the determinants of OHS, exce	ept:
a) Ergonomic	b) Magnitude
c) Chemical	d) Physical
(46) Objectives of Occupational Health and Safety is	to ensure that:
 a) health and safety is accessible to only white collar worker 	 b) health and safety is accessible to every worker in any sector across the economy
 c) health and safety is accessible to only blue collar worker 	d) None
(47) OHS definition adopted by the joint con	nmittee?
a) ILO/WHO	b) WCA/ESI
c) WHO/ESI	d) ILO/WCA
(48) In which year the definition of OHS was adopted	d:
a) 1950	b) 1988
c) 1970	d) 1934
(49) According to the document, Global Strategy on high priority objectives proposed by the strategy	Occupational Health for All, what are the ??
a) Development of healthy work environment	b) Strengthening of OHS
c) Strengthening of research	d) All of these
(50) For addressing OHS needs at the workplace, the	document therefore lays emphasis on:
a) Creating policies	b) Structures
c) Systems	d) All of these
(51) Occupational health and safety covers issues rel	ated to:
a) law	b) economics
c) medicine	d) All of these

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(32) rew are the core occupational health and safety	principles put forth by the 120, except.	
Work should take place in a safe healthy environment	b) Conditions of work should not be consisten with workers	
 c) Work should offer real possibilities for personal achievement 	 d) Work should offer real possibilities for self- fulfilment 	
(53) How many factors are often listed as influencin	g the visibility of task details?	
a) 3	b) 2	
c) 4	d) 6	
(54) What stands for IPEC?	,	
a) The International Programme on the Elimination of Child Labour	b) The International Programme on the Education of Children	
 c) International Programme on Enhancing Childhood 	d) None of these	
(55) Work should offer real possibilities for:		
a) Personal achievement	b) Self-fulfilment grainware nivership	
c) Service society	b) Self-fulfilment প্রভাগতাত সংগ্রাহণ d) All of these প্রভাগতাত সংগ্রাহণ	
(56) The Bhopal Gas Disaster occurred on which year	ar?	
a) 1986	b) 1984	
c) 1983	d) 1981	
(57) When was the ESI Act enacted?	,,	
a) 1946	b) 1951	
c) 1948	d) 1949	
(58) What does ESI stands for?	3, 20.13	
a) Employees' Safety Insurance	b) Employees' State Insurance	
c) Employees' Salary Insurance	d) Employees' Service Insurance	
(59) OSHA stands for:	2) Employees Service Hisurance	
 a) Occupational Safety and Health Administration 	b) Occupational Safety and Health Academy	
c) Occupational Safety and Health association	d) Occupational Section 1	
(60) Optometrists provide occupational vision service	d) Occupational Safety and Health Act	
a) Primary care		
c) Vision consultation	b) Safety consultation d) Vision trainee	
	4) Vision trainee	