

National Testing Agency

Question Paper Name: Bio medical Image processing Science and Technology 30th March 2019 Shift 2
Subject Name: Bio medical Image processing Science and Technology
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Duration: 180
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Display Marks: Yes

Bio medical Image processing Science and Technology

Group Number : 1
Group Id : 90958245
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 100

Bio medical Image processing Science and Technology

Section Id : 90958245
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 100
Number of Questions to be attempted: 100
Section Marks: 100
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 90958248
Question Shuffling Allowed : Yes

Question Number : 1 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Renal disease Kidney disease, or renal disease, also known as

- a. cardiovascular b. myopathy
c. retinopathy d. nephropathy

Options :

1. A
2. B
3. C

4. D

Question Number : 2 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A is a clouding of the lens in the eye which leads to a decrease in vision.
a. cataract b. glaucoma c. retinopathy d. neuropathy

Options :

1. A
2. B
3. C
4. D

Question Number : 3 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... therapy reduction in blood sugar Improved blood supply in the lower extremities of human body.
a. Exercise b. Microwave c. Yoga d. Jim

Options :

1. A
2. B
3. C
4. D

Question Number : 4 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Antioxidants are compounds that inhibit
a. sugar b. blood c. oxidation d. circulation

Options :

1. A
2. B
3. C
4. D

Question Number : 5 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... may result in trouble driving, reading, or recognizing faces.
a. Liver b. Kidney c. Heart d. Cataract

Options :

1. A
2. B

3. C

4. D

Question Number : 6 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... error is a problem with focusing light accurately onto the retina due to the shape of the eye.

a. Refractive b. Reflective c. Reactive d. Nonreactive

Options :

1. A

2. B

3. C

4. D

Question Number : 7 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The body is the clear gel that fills the space between the lens and the retina.

a. retina b. vitreous c. iris d. optic disk

Options :

1. A

2. B

3. C

4. D

Question Number : 8 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Ocular must be distinguished from the more common typical vitreous floaters.

a. membrane b. cell c. asteroids d. fiber

Options :

1. A

2. B

3. C

4. D

Question Number : 9 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Contrast stretching linear transform to add contrast to a quality image.

- a. good b. poor c. high d. fine

Options :

1. A
2. B
3. C
4. D

Question Number : 10 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... diabetic retinopathy, is an early stage of diabetic retinopathy.

- a. Cotton b. Proliferative c. Macular d. Non-proliferative

Options :

1. A
2. B
3. C
4. D

Question Number : 11 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Tiny blood vessels within the retina leak blood or fluid and this leakage cause the damage of

- a. Retina b. Optic Disk c. Iris d. Lens

Options :

1. A
2. B
3. C
4. D

Question Number : 12 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A retinal microaneurysms is a area of blood protruding from an artery or vein in the back of the eye.

- a. thick b. tiny c. large d. higher

Options :

1. A
2. B
3. C
4. D

Question Number : 13 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

These protrusions may open and leak blood into the tissue surrounding it.
a. optic disk b. lens c. retinal d. iris

Options :

1. A
2. B
3. C
4. D

Question Number : 14 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Any form of disease or high blood pressure may contribute to a retinal microaneurysms.

a. iris b. macula c. retinal d. vascular

Options :

1. A
2. B
3. C
4. D

Question Number : 15 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... alone are not likely to cause any symptoms that you would notice.

a. Microaneurysms b. Cotton c. Exudates d. Neovasculation

Options :

1. A
2. B
3. C
4. D

Question Number : 16 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Color histogram is a representation of the distribution of in an image.

a. image b. colors c. camera d. histogram

Options :

1. A
2. B
3. C

4. D

Question Number : 17 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... transform is an operation that extracts small elements and details from given image

- a. Scaling b. Rotation c. Top-hat d. Translation

Options :

1. A
2. B
3. C
4. D

Question Number : 18 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The top-hat transform is defined as the difference between the input image and its opening by some structuring element.

- a. Pink b. Blue c. grayscale d. white

Options :

1. A
2. B
3. C
4. D

Question Number : 19 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The top-hat transform is defined dually as the difference between the closing and the input image.

- a. black b. red c. green d. magenta

Options :

1. A
2. B
3. C
4. D

Question Number : 20 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Top-hat are used for various image processing tasks, such as feature extraction, background equalization, image enhancement, and others.

- a. data b. transforms c. input d. stats

Options :

1. A
2. B
3. C
4. D

Question Number : 21 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Soft is a form of clustering in which each data point can belong to more than one cluster.

- a. transform b. shift c. k-means d. scale

Options :

1. A
2. B
3. C
4. D

Question Number : 22 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cluster involves assigning data points to clusters such that items in the same cluster are as similar as possible.

- a. signal b. acquisition c. input d. analysis

Options :

1. A
2. B
3. C
4. D

Question Number : 23 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Items belonging to clusters are as dissimilar as possible.

- a. different b. same c. exact same d. similar

Options :

1. A
2. B
3. C
4. D

Question Number : 24 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Use the function `cv2.imshow()` to an image in a window.

- a. get b. display c. returns d. explore

Options :

1. A
2. B
3. C
4. D

Question Number : 25 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

`cv2.destroyAllWindows()` simply destroys all the we created.

- a. methods b. function c. windows d. variables

Options :

1. A
2. B
3. C
4. D

Question Number : 26 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If you specify flag to be `cv2.WINDOW_NORMAL`, you can window.

- a. read b. translate c. rotate d. resize

Options :

1. A
2. B
3. C
4. D

Question Number : 27 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Use the function `cv2.imwrite()` to save an

- a. image b. features c. vector d. values

Options :

1. A
2. B
3. C
4. D

Question Number : 28 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Use `cv2.getRotationMatrix2D` function to rotate the

- a. features b. image c. device d. display

Options :

1. A
2. B
3. C
4. D

Question Number : 29 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The function used is `cv2.threshold` to performoperation.

- a. write b. read c. thresholding d. extraction

Options :

1. A
2. B
3. C
4. D

Question Number : 30 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

OpenCV provides a function, `cv2.filter2D()`, to a kernel with an image.

- a. read b. write c. display d. convolve

Options :

1. A
2. B
3. C
4. D

Question Number : 31 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... simply takes the average of all the pixels under kernel area and replaces the central element with this average.

- a. Average b. Addition c. Subtraction d. Multiplication

Options :

1. A
2. B
3. C

4. D

Question Number : 32 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

It is important not to become with large numbers of diabetic patients.

a. no b. empty c. free d. overloaded

Options :

1. A
2. B
3. C
4. D

Question Number : 33 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

From the patient's point of view, however, securing timely treatment is of importance.

a. high b. low c.no d. moderate

Options :

1. A
2. B
3. C
4. D

Question Number : 34 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

We need a approach to delivering the right patient at the right time to the right doctor to ensure adequate and timely treatment.

a. mess b. unplanned c. systematic d. random

Options :

1. A
2. B
3. C
4. D

Question Number : 35 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... may be defined as a public health intervention intended to improve the health of a precisely defined target population.

a. no check-up b. no screening b. no follow-up d. Screening

Options :

1. A
2. B
3. C
4. D

Question Number : 36 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... is justified by the awareness of that condition as an important public health problem

- a. Screening b. no check-up c. no screening d. no follow-up

Options :

1. A
2. B
3. C
4. D

Question Number : 37 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Promising methods for treatment of inflammation and other aspects of DR are underway

- a. old b. new c. out dated d. traditional

Options :

1. A
2. B
3. C
4. D

Question Number : 38 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Increased interest among dialectologists for the reliable diagnosis of stages preceding STDR.

- a. RL b. LR c. DR d. RD

Options :

1. A
2. B
3. C
4. D

Question Number : 39 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Whether you want to falsify a null hypothesis of equivalence between the test and the reference test.

- a. oral b. index c. EMG d. ECG

Options :

1. A
2. B
3. C
4. D

Question Number : 40 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Overcalling needlessly causes alarm in people with and wastes ophthalmology resources.

- a. leg pain b. diabetes c. stomach d. liver

Options :

1. A
2. B
3. C
4. D

Question Number : 41 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Under calling can have serious consequences for the person with

- a. ear b. rainy nose c. fever d. diabetes

Options :

1. A
2. B
3. C
4. D

Question Number : 42 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When is missed and laser treatment is ineffective because of delay.

- a. STDR b. TDRS c. DRST d. 1RSTD

Options :

1. A
2. B
3. C

4. D

Question Number : 43 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Slattery undertook a computer simulation of ways of referral decisions during grading.

a. input b. sampling c. output d. acquisition

Options :

1. A

2. B

3. C

4. D

Question Number : 44 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Criteria for initiating intensive quality (QA) investigations.

a. accuracy b. assessment c. assurance d. assembly

Options :

1. A

2. B

3. C

4. D

Question Number : 45 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Assessing the effectiveness of QA systems by the ability to detect a grader (or a CAD program) making occasional

a. exact b. correct c. accurate d. errors

Options :

1. A

2. B

3. C

4. D

Question Number : 46 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Substantial sample sizes are needed to ensure against inappropriate

a. failure b. accurate c. accuracy d. correct

Options :

1. A

- 2. B
- 3. C
- 4. D

Question Number : 47 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The interface to existing medical records and systems.

- a. discharge b. booking c. appointment d. admit

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 48 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The main principle behind the optical design of fundus cameras produced since the

- a. 1910s b. 1920s c. 1930s d. 1940s

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 49 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The fundus with a hollow cone of light entering the eye at the periphery of the

-
a. rods b. cone c. iris d. pupil

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 50 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The front lens system of the fundus camera is thus responsible for

- a. illumination b. retraction c. refraction d. reflection

Options :

1. A
2. B
3. C
4. D

Question Number : 51 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A situation that gets worse with exposure to

- a. hypoglycaemia b. hyperglycaemia c. heart failure d. anxiety

Options :

1. A
2. B
3. C
4. D

Question Number : 52 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Illumination becomes uneven and obscure part of the image.

- a. bright b. color c. shadows d. white

Options :

1. A
2. B
3. C
4. D

Question Number : 53 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Obtained through narrower elliptical openings because the subject is asked to look aside.

- a. leaps b. eyebrows c. iris d. pupil

Options :

1. A
2. B
3. C
4. D

Question Number : 54 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Photography becomes more difficult with increasing of the subject.

- a. age b. height c. weight d. width

Options :

1. A
2. B
3. C
4. D

Question Number : 55 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The incidence rate of a disease over a specified time interval is given by the number of cases.

- a. no b. new c. old d. older

Options :

1. A
2. B
3. C
4. D

Question Number : 56 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The interval divided by the total amount of time at risk for the disease accumulated by the entire population over the interval.

- a. difference b. differc. same d. different

Options :

1. A
2. B
3. C
4. D

Question Number : 57 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Few screening programs serve a large enough background population.

- a. RD b. RL c. LR d. DR

Options :

1. A
2. B
3. C
4. D

Question Number : 58 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Calculate exact confidence intervals and should be able to perform Poisson regression with a..... for trend.

- a. test b. patient c. doctor d. hospital

Options :

1. A
2. B
3. C
4. D

Question Number : 59 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Poisson regression is useful for repeated measures such as annual numbers of blind.

- a. old b. newly c. older d. oldest

Options :

1. A
2. B
3. C
4. D

Question Number : 60 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The inclusion of visual acuity testing in a screening program.

- a. LDR b. LR c. DR d. RD

Options :

1. A
2. B
3. C
4. D

Question Number : 61 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Visual is an important process variable and a useful aid to treatment decisions.

- a. DR b. LR c. LDR d. acuity

Options :

1. A

- 2. B
- 3. C
- 4. D

Question Number : 62 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Treatable such as cataracts can be discovered in time.

- a. lesions b. headache c. rainy nose d. stomach pain

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 63 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Software designed for high specificity, glaring of omission are possible.

- a. correct b. errors c. accurate d. accuracy

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 64 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Potentially giving graders and managers ethical and medico legal problems to handle.

- a. simplest b. easy c. difficult d. easiest

Options :

- 1. A
- 2. B
- 3. C
- 4. D

Question Number : 65 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The reception of CAD software and the effects of its adoption on the work environment are

- a. good b. harmful c. loss d. suitable

Options :

1. A
2. B
3. C
4. D

Question Number : 66 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Accuracy of lesion detection was reported to be affected by image

a. quality b. noise c. error d. representation

Options :

1. A
2. B
3. C
4. D

Question Number : 67 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

There were someof opinion between experienced professional graders and authors ophthalmologist friends.

a. same b. differences c. similarity d. exactly same

Options :

1. A
2. B
3. C
4. D

Question Number : 68 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

CAD software does not yet offer potential for completely independent automated detection.

a. LR b. UR c. DR d. RD

Options :

1. A
2. B
3. C
4. D

Question Number : 69 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Specificity is felt to be insufficiently

- a. lowest b. very low c. low d. high

Options :

1. A
2. B
3. C
4. D

Question Number : 70 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

CAD is already, however, of interest for purposes such as decision

- a. support b. never supportc. disagree d. don't support

Options :

1. A
2. B
3. C
4. D

Question Number : 71 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Some programs tended to confuse hard exudates with optical artefacts caused.

- a. blue b. bright c. black d. red

Options :

1. A
2. B
3. C
4. D

Question Number : 72 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Dust and other material on the fundus camera's front or reflections from the internal limiting membrane.

- a. button b. finger c. lens d. side

Options :

1. A
2. B
3. C
4. D

Question Number : 73 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Retinal pigment epithelial (RPE) defects have for a long time.

- a. not used b. not seen c. never come d. existed

Options :

1. A
2. B
3. C
4. D

Question Number : 74 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The ability of doctors to disregard information that does not the pattern looked for.

- a. fit b. seen c. allow d. received

Options :

1. A
2. B
3. C
4. D

Question Number : 75 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

RPE defects are visible as “window defects” in fluorescein angiograms.

- a. never b. highly c. not yet all d. no one

Options :

1. A
2. B
3. C
4. D

Question Number : 76 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

RPE defects can be distinguished from hard

- a. macula b. optic disk c. exudates d. veins

Options :

1. A
2. B
3. C
4. D

Question Number : 77 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The defects on stereoscopic examination or in stereo images seem to lie beyond the plane of the

- a. brain b. legs c. hands d. retina

Options :

1. A
2. B
3. C
4. D

Question Number : 78 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Some algorithms over diagnose as hard exudates drusen, another retinal not associated with DR.

- a. lesion b. disease c. type d. layer

Options :

1. A
2. B
3. C
4. D

Question Number : 79 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A risk factor for painful neuropathy.

- a. doctor b. diabetic c. public d. society

Options :

1. A
2. B
3. C
4. D

Question Number : 80 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Micro-infarctions are part of the panorama of severe nonproliferative

- a. LDR b. LRD c. DR d. RD

Options :

1. A
2. B
3. C
4. D

Question Number : 81 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The term “preproliferative” was popular thirty years ago but is ill-defined and best avoided.

- a. leg pain b. hand pain c. rainy nose d. retinopathy

Options :

1. A
2. B
3. C
4. D

Question Number : 82 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Occasionally, photocoagulation scars or local areas of atrophy are mistaken for

.....

- a. micro-infarctions b. cotton c. exudates d. cells

Options :

1. A
2. B
3. C
4. D

Question Number : 83 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Detection of micro-infarctions is easy for humans and programs in case of immediately apparent lesions.

- a. ACD b. CAD c. DAC d. ADC

Options :

1. A
2. B
3. C
4. D

Question Number : 84 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

It requires reasonably faithful recording of luminance data in order to identify

.....

- a. data b. information c. lesions d. value

Options :

1. A
2. B
3. C
4. D

Question Number : 85 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Characterized by diffuse borders and minimal local increased

- a. illumination b. refraction c. reflection d. luminance

Options :

1. A
2. B
3. C
4. D

Question Number : 86 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Such minimally apparent lesions seen in high-quality images may indicate local areas of ischemia clearly confirmed.

- a. color b. gray c. indexed d. binary

Options :

1. A
2. B
3. C
4. D

Question Number : 87 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The STARE images show a high proportion of advanced DR as do the Standard Photographs.

- a. TDRSE b. ETDRS c. DRSET d. RSETD

Options :

1. A
2. B
3. C
4. D

Question Number : 88 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Testing CAD software on unselected populations of people with will be of greater interest but more expensive.

- a. heart b. kidney c. diabetes d. headache

Options :

1. A
2. B
3. C
4. D

Question Number : 89 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

It should be clear from the outset that the process of validating such programs entails considerable time, cost, and

- a. money b. price c. value d. effort

Options :

1. A
2. B
3. C
4. D

Question Number : 90 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Ideally, there should be post-marketing surveillance showing outcomes.

- a. intermediate b. full c. complete d. final

Options :

1. A
2. B
3. C
4. D

Question Number : 91 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Speaking as a clinician, as a researcher, and last but not least as a senior with many years of experience managing a large program.

- a. doctor b. grader c. hospital d. society

Options :

1. A
2. B
3. C
4. D

Question Number : 92 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Accurate counts are of considerable practical importance at present.

a. cotton b. disk c. microaneurysms d. macula

Options :

1. A
2. B
3. C
4. D

Question Number : 93 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Automated detection should be welcomed if not good

a. its simple b. satisfactory c. incorrect d. reliable

Options :

1. A
2. B
3. C
4. D

Question Number : 94 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Methods for measuring turnover, for whose assessment human observers are far from ideal.

a. microaneurysms b. cotton c. macula d. optic nerve

Options :

1. A
2. B
3. C
4. D

Question Number : 95 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

As mentioned above, the closeness of a diagnosis to the true state is termed

.....
a. error b. accuracy c. artefacts d. wrong data

Options :

1. A
2. B

3. C

4. D

Question Number : 96 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Based on available evidence to improve the quality of and reporting.

a. analysis b. testing c. design d. coding

Options :

1. A

2. B

3. C

4. D

Question Number : 97 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

List the relevant Medical Headings (MeSH) index terms in your manuscript so that interested parties can find your work.

a. society b. doctor c. subscriber d. Subject

Options :

1. A

2. B

3. C

4. D

Question Number : 98 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Designing studies to evaluate the accuracy of medical tests requires the expertise of a

a. statistician b. NGO c. Society d. community

Options :

1. A

2. B

3. C

4. D

Question Number : 99 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

An interest in epidemiology and ideally with experience of diagnostic tests in medicine.

- a. input b. evaluating c. output d. data

Options :

1. A
2. B
3. C
4. D

Question Number : 100 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A commonly used design of an accuracy study compares the result of the test.

- a. input b. data c. index d. information

Options :

1. A
2. B
3. C
4. D