

# National Testing Agency

**Question Paper Name:** 5285 Bio medical Image processing Science and Technology 30th June 2019 Shift 2  
**Subject Name:** Bio medical Image processing Science and Technology  
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**Duration:** 180  
**Total Marks:** 100  
**Display Marks:** Yes

## Bio medical Image processing Science and Technology

**Group Number :** 1  
**Group Id :** 489994207  
**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 :** 489994263  
**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:** 489994287  
**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**

..... rashes that can occur in diabetes are collectively known as diabetic dermadromes.

- a. Liver      b. Heart      c. Skin      d. Kidney

**Options :**

1. 1
2. 2
3. 3
4. 4

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

Venous Insufficiency in which ..... pools in the veins, straining the walls of the vein.

- a. water      b. Sugar      c. insulin      d. blood

Options :

1. 1
2. 2
3. 3
4. 4

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

Micro-vascular is the dynamics of ..... flow.

- a. blood      b. insulin      c. sugar      d. haemoglobin

Options :

1. 1
2. 2
3. 3
4. 4

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

Hemodynamic response continuously monitors and adjusts to conditions in the ... and its environment.

- a. liver      b. body      c. heart      d. kidney

Options :

1. 1
2. 2
3. 3
4. 4

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

..... disease is a disease of any large (macro) blood vessels in the body.

- a. Thin      b. Small      c. Macro vascular      d. Microvascular

Options :

1. 1
2. 2
3. 3
4. 4

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

A .... is a medical condition in which poor blood flow to the brain results in cell death.

- a. diabetes      b. epilepsy      c. sugar      d. stroke

Options :

1. 1  
2. 2  
3. 3  
4. 4

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

High blood pressure usually does not cause .....

- a. symptoms      b. harm      c. insulin      d. sugar

Options :

1. 1  
2. 2  
3. 3  
4. 4

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

.....-term high blood pressure, however, is a major risk factor for coronary artery disease.

- a. short      b. Long      c. medium      d. moderate

Options :

1. 1  
2. 2  
3. 3  
4. 4

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

..... law transforms are used to darken the image.

- a. Non-linear      b. Rotation      c. Linear      d. Power

Options :

1. 1  
2. 2  
3. 3  
4. 4

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

'Artificial Neural Network' refers to the interconnections between the neurons in the different .....

- a. layers      b. format      c. directions      d. orientation

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

The first layer has input neurons which send data via ..... to the second layer.

- a. Transform    b. Synapses    c. Wavelet    d. Fourier

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

The ..... store parameters called "weights" that manipulate the data in the calculations.

- a. neuron    b. layer    c. synapses    d. weight

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Often by isolating particular ..... of the pixel values in an image we can highlight interesting aspects.

- a. nibble    b. words    c. bytes    d. bits

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Higher-order bits usually contain most of the significant ..... information.

- a. visual    b. dark    c. bright    d. nonvisible

**Options :**

1. 1
2. 2
3. 3

4. 4

**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**

.....-order bits contain subtle details.

- a. Higher      b. Lower      c. Middle      d. Mode

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Other ..... can be suppressed or maintained Useful for highlighting features in an image.

- a. bytes      b. information      c. levels      d. data

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

A scale map is generated to delineate ..... areas.

- a. Eye      b. Fiber Layer      c. Iris      d. lesion

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Rangaraj M. and et.al has detected optic nerve head in fundus image of the retina with .....filters and phase portrait analysis.

- a. Gabor      b. 2x2 mask      c. 5x5 operator      d. Morphology

**Options :**

1. 1
2. 2
3. 3
4. 4

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

In image processing, a Gabor filter, named after Dennis Gabor, is a linear filter used for .....

- a. Noise Removal      b. texture analysis      c. enhancement      d. color processing

Options :

1. 1
2. 2
3. 3
4. 4

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

Gabor filter basically analyses whether there are any specific frequency content in the image in specific ..... in a localized region around the point or region of analysis.

- a. color      b. gray scale      c. directions      d. binary

Options :

1. 1
2. 2
3. 3
4. 4

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

Frequency and orientation representations of Gabor filters are similar to those of the human ..... system.

- a. voice      b. biometric      c. gesture      d. visual

Options :

1. 1
2. 2
3. 3
4. 4

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

Gabor filters have been found to be particularly appropriate for texture representation and .....

- a. discrimination      b. color      c. segmentation      d. binary

Options :

1. 1
2. 2
3. 3
4. 4

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

In the spatial domain, a 2D Gabor filter is a Gaussian kernel function ..... by a sinusoidal plane wave.

- a. acquire      b. modulated      c. input      d. display

Options :

1. 1
2. 2
3. 3
4. 4

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

Simple cells in the visual cortex of mammalian brains can be modelled by ..... functions.

- a. acquisition      b. correction      c. Gabor      d. moderation

Options :

1. 1
2. 2
3. 3
4. 4

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

K-means clustering algorithms are unsupervised techniques for sub-dividing a larger dataset into smaller .....

- a. program      b. values      c. data      d. groups

Options :

1. 1
2. 2
3. 3
4. 4

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

Python is an ..... language that shares many features with C and MATLAB.

- a. interpreted      b. complied      c. fast      d. medium

Options :

1. 1
2. 2
3. 3
4. 4

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

Python languages are often called ..... languages.

- a. fast            b. scripting        c. superfast       d. fastest

Options :

1. 1
2. 2
3. 3
4. 4

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

Python has common approach to “quick” ..... to problems and has a very large community of developers.

- a. input            b. process            c. solutions            d. output

Options :

1. 1
2. 2
3. 3
4. 4

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

No variables need be ..... and often program development can be fast in Python language

- a. recall            b. reuse            c. use            d. declared

Options :

1. 1
2. 2
3. 3
4. 4

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

The library is cross-platform and ..... for use under the open-source BSD license.

- a. free            b. easy            c. slow            d. fast

Options :

1. 1
2. 2
3. 3
4. 4

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

The ..... of image processing may be either an image or a set of characteristics or parameters related to the image.

- a. input      b. output      c. display      d. process

Options :

1. 1
2. 2
3. 3
4. 4

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

Use the function `cv2.imread ()` to read an image.

- a. delete      b. update      c. read      d. write

Options :

1. 1
2. 2
3. 3
4. 4

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

There is incontrovertible evidence in diabetic ..... that timely treatment prevents or delays loss of sight.

- a. vascularization      b. neuropathy  
c. nephropathy      d. retinopathy

Options :

1. 1
2. 2
3. 3
4. 4

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

Large settlements have been paid to people diagnosed with ..... threatening.

- a. sight      b. light      c. eye      d. diabetes

Options :

1. 1
2. 2
3. 3
4. 4

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

..... within one disc diameter of the centre of the fovea — too late for effective treatment.

- a. Cotton      b. Exudates      c. Macula      d. Glaucoma

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

..... prevalence now seems to be increasing even more rapidly than previously predicted.

- a. Fever      b. Omitting      c. Diabetes      d. Allergy

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Better use ..... at the outset than at the last moment.

- a. advice      b. discussion      c. experience      d. medicines

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

There is clear evidence from well-designed controlled clinical trials that ..... medical treatment delays or prevents the occurrence of STD.

- a. improved      b. avoid      c. delay      d. don't care

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

For full effect, however, five to ..... years are needed.

- a. eight      b. seven      c. nine      d. ten

**Options :**

1. 1
2. 2
3. 3

4. 4

**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**

Therefore, ..... diagnosis of the earliest signs of DR and accurate follow-up of progression of DR at predefined intervals will provide necessary information for diabetes management.

- a. late            b. delay            c. early            d. no

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

The predictive values depend not only on the performance of the test in diseased and normal subjects, but also on the ..... of disease.

- a. fever            b. rainy nose            c. dengue            d. prevalence

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Predictive values quantify the ..... value of the test.

- a. clinical            b. non clinical            c. hospital            d. home

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

A screening test needs to be more accurate if it is to work well in a ..... prevalence situation.

- a. high            b. low            c. medium            d. moderate

**Options :**

1. 1
2. 2
3. 3
4. 4

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

Conversely, lower sensitivity may be acceptable in tertiary care where disease prevalence is.....

- a. low            b. moderate        c. high            d. slow

Options :

1. 1
2. 2
3. 3
4. 4

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

A job for your statistician, becomes more complicated when multiple ..... are performed.

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

Options :

1. 1
2. 2
3. 3
4. 4

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

The results of ..... different tests are combined to reach a threshold value.

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

Options :

1. 1
2. 2
3. 3
4. 4

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 diagnostic accuracy of ..... of tests can be assessed by applying multivariable regression analysis.

- a. only one        b. one                c. single            d. combinations

Options :

1. 1
2. 2
3. 3
4. 4

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

Keep in mind that a stressful work situation can cause ..... concentration capacity.

- a. good      b. strong      c. increase      d. decreased

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Mental fatigue that may become less easily reversible as exposure to stress is ...

- a. increased      b. decrease      c. reduced      d. less

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Thresholds for perceiving and being irritated by .....

- a. lesions      b. noise      c. cotton      d. macula

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Increasing signal-to-noise ratio, is ..... work for the human brain.

- a. mild      b. rough      c. hard      d. soft

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Recall the sudden feeling of ease when subliminal ..... stops.

- a. features      b. lesions      c. data      d. noise

**Options :**

1. 1

- 2. 2
- 3. 3
- 4. 4

**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**

Ability to discriminate is important for the performance of ..... screening graders.

- a. DR
- b. RD
- c. doctor
- d. hospital

**Options :**

- 1. 1
- 2. 2
- 3. 3
- 4. 4

**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**

To optimize signal detection performance, it is important to ..... them.

- a. expose
- b. protect
- c. open
- d. show

**Options :**

- 1. 1
- 2. 2
- 3. 3
- 4. 4

**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**

Increasing signal-to-noise ratio of images by preventing artefacts and minimizing operator error also helps ..... cope.

- a. patients
- b. hospitals
- c. graders
- d. doctors

**Options :**

- 1. 1
- 2. 2
- 3. 3
- 4. 4

**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**

While reduction of blindness and visual impairment due to diabetic maculopathy was achieved at a ..... rate.

- a. fastest
- b. faster
- c. higher
- d. slower

**Options :**

- 1. 1
- 2. 2
- 3. 3
- 4. 4

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

New drug treatments can be instituted at an ..... stage.

- a. early      b. later      c. letter      d. latest

Options :

1. 1
2. 2
3. 3
4. 4

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

Drugs now in development are hoped to ..... inflammation.

- a. increase      b. reduce      c. bigger      d. lag jest

Options :

1. 1
2. 2
3. 3
4. 4

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

Prevent capillary closure resulting from ..... blood cells sticking to vessel walls and occluding capillaries.

- a. red      b. blue      c. white      d. pink

Options :

1. 1
2. 2
3. 3
4. 4

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

Other drugs are being designed to reduce or prevent ..... leakage.

- a. eye      b. leg      c. hand      d. vascular

Options :

1. 1
2. 2
3. 3
4. 4

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

Threshold represents half of the ..... acuity considered "normal".

- a. visual      b. leg      c. hand      d. head

Options :

1. 1
2. 2
3. 3
4. 4

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

The point prevalence of a ..... is the proportion of a defined population at risk.

- a. normal      b. disease      c. mild      d. moderate

Options :

1. 1
2. 2
3. 3
4. 4

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

The ..... that is affected by it at a specified point on the time scale.

- a. normal      b. mild      c. disease      d. moderate

Options :

1. 1
2. 2
3. 3
4. 4

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

Several kinds of .... software begin to intrude on their work experience at the same time.

- a. not new      b. older      c. oldest      d. new

Options :

1. 1
2. 2
3. 3
4. 4

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

Computer glitches and the ..... of the user interface are just part of the experience.

- a. qualities      b. poor      c. unknown      d. fresh

Options :

1. 1
2. 2
3. 3
4. 4

**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**

Graders may not take kindly to the thought of ..... their job to a machine.

- a. getting      b. losing      c. increment      d. increase

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

To add insult to injury, the ..... is felt to be looking over their shoulders.

- a. birds      b. animals      c. machine      d. man

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Experienced graders with many years of reading images on film may ..... the loss of information.

- a. triple      b. double      c. increase      d. decry

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

The increase in artefacts introduced with digital cameras and grading from office-type screens with a ..... Color space.

- a. small      b. large      c. big      d. very large

**Options :**

1. 1
2. 2
3. 3

4. 4

**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**

Graders see images of ..... quality from unselected populations.

a. same      b. variable      c. similar      d. matched

**Options :**

1. 1

2. 2

3. 3

4. 4

**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**

..... predictive value will not increase their confidence in the new technology.

a. big      b. bigger      c. Low      d. large

**Options :**

1. 1

2. 2

3. 3

4. 4

**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**

A lesion widely believed to be indicative of ..... for leakage.

a. safe      b. correct      c. accurate      d. risk

**Options :**

1. 1

2. 2

3. 3

4. 4

**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**

Predicting possibly sight-threatening centrally located ..... exudates.

a. hard      b. soft      c. very soft      d. softy

**Options :**

1. 1

2. 2

3. 3

4. 4

**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**

Some but not all centrally located hard ..... are treatable by photocoagulation.

- a. cotton      b. exudates      c. iris      d. macula

Options :

1. 1
2. 2
3. 3
4. 4

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

The present consensus seems to be that centrally located microaneurysms ought not to be missed in a DR ..... system.

- a. input      b. process      c. screening      d. output

Options :

1. 1
2. 2
3. 3
4. 4

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

Bright lesions, also known as ..... lesions for instance hard exudates.

- a. blue      b. pink      c. red      d. white

Options :

1. 1
2. 2
3. 3
4. 4

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 Retina Lyze system examined individual ..... lesions without consideration of their dimension.

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

Options :

1. 1
2. 2
3. 3
4. 4

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

The presence of hard exudates within one disc diameter of the centre of the ..... is believed to be sight-threatening.

- a. macula      b. iris      c. fovea      d. eye

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

The user to place optical sections at will, through ..... such as vascular abnormalities, hard exudates, or foveal microaneurysms.

- a. line            b. circle            c. triangle            d. lesions

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

This ..... technology should become very useful for accurate final diagnosis.

- a. non-invasive            b. invasive            c. open            d. surgery

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Local or widespread ..... thickening in order to optimize focal and/or grid laser photocoagulation for each eye.

- a. eye            b. retinal            c. iris            d. eyebrow

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Perhaps using this method could help develop ..... for macular edema further.

- a. ADC            b. DCA            c. CAD            d. LAD

**Options :**

1. 1
2. 2
3. 3

4. 4

**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**

The main reason for accurate ..... of micro-infarction is that widespread ischemia is a possible indication.

- a. identification      b. detection      c. finding      d. search

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

The ..... tree can be analysed in various ways.

- a. binary      b. sorted      c. vascular      d. insertion

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

There is considerable interest in the relationship between retinal ..... morphology and metabolic and inflammatory diseases.

- a. retinal      b. veins      c. cones      d. vascular

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

One hopes that a medical librarian will devise a more sensitive and specific filter to find CAD ..... evaluations.

- a. memory      b. processor      c. hardware      d. software

**Options :**

1. 1
2. 2
3. 3
4. 4

**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 situation would improve if all authors provided more useful ..... terms.

- a. index      b. abstract      c. list      d. disordered

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

The people doing the indexing for PubMed and other .....

- a. Doctor      b. Databases      c. NGO      d. Hospital

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Several successful ongoing projects are intended to produce ..... software.

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

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

There are numerous algorithms intended for the detection of some aspect of .....

- a. data      b. information      c. program      d. morphology

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

An interesting research tool and are likely to become important for assessment of the ..... stages of DR.

- a. later      b. earliest      c. moderate      d. advanced

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Indication of image quality including field definition would help photographers achieve the clear ..... artefact free images.

- a. dark      b. bright      c. sharp      d. color

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

.....CAD software should help describe patterns of lesion type, location, turnover, and apparent movement.

- a. Early      b. Immature      c. Basic      d. Future

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

Nowadays quite rigorous and well-documented ..... of development and assessment appear to be required.

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

**Options :**

1. 1
2. 2
3. 3
4. 4

**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**

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. grader      b. citizens      c. residence      d. NGO

**Options :**

1. 1

- 2. 2
- 3. 3
- 4. 4

**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**

Accurate ..... counts are of considerable practical importance at present because of their proven prognostic value.

- a. eye            b. microaneurysms            c. iris            d. optic disk

**Options :**

- 1. 1
- 2. 2
- 3. 3
- 4. 4

**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**

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

- a. patients            b. society            c. observers            d. hospital

**Options :**

- 1. 1
- 2. 2
- 3. 3
- 4. 4

**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**

An interesting research tool and are likely to become important for assessment of the earliest stages of .....

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

**Options :**

- 1. 1
- 2. 2
- 3. 3
- 4. 4

**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**

Indication of image quality including field definition would help photographers achieve the clear ..... artefact free images.

- a. sharp    b. smooth            c. noisy    d. edgeless

**Options :**

- 1. 1
- 2. 2
- 3. 3

4. 4

**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**

Objective assessment of image quality including field .....

a. information b. definition c. assessment d. data

**Options :**

1. 1

2. 2

3. 3

4. 4