

Section 1 - Section 1

Question No.1

4.00

Bookmark

Which of long acting beta blocker is used for glaucoma

- Betaxolol
- Propranolol
- Metoprolol
- Levabunolol

Question No.2

4.00

Bookmark

How many isomers are present in the structure of glucose

- 10
- 12
- 16
- 4

Question No.3

4.00

Bookmark

Primary standard used to standardize perchloric acid is

- KBr
- Sodium bicarbonate
- Potassium hydrogen phthalate
- Oxalic acid

Question No.4

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Bookmark

Which of the following ring is present in sulfamethoxazole

- Furazole
- Isoxazole
- Thiazole
- Pyrazole

Question No.5

4.00

Bookmark

A can finish a work in 18 days and B can do the same work in half the time taken by A. Then, working together, what part of the same work they can finish in a day?

- 0 1/2
- 0 1/8
- 0 1/4
- 0 1/6

Question No.6

4.00

Bookmark

Choose the best synonym of the italicized word.

Dr. Elango is in the habit of using *obsolete* words.

- outdated
- difficult
- simple
- wrong

Question No.7

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Bookmark

Precision is calculated by

- Mean
- Mode
- Standard deviation
- Median

Question No.8

4.00

Bookmark

Removal of hydrogen from alkene produces

- aldehyde
- Alkyne
- Ketone
- Alkane

Question No.9

4.00

Bookmark

Correct the error in the italicized part of the sentence by choosing the most appropriate options

Job was a tiny man, barely five feet tall, with *a spright walk*

- a sprightly walk
- a sprightly walking
- spright walk
- spright walkingly

Question No.10

4.00

Bookmark

All drugs are belongs to Umbelliferae family except

- Coriander
- Fennel
- Cinnamon oil
- Dill

Question No.11

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Bookmark

Which of the following is not an unorganized drug?

- Datura
- Acacia
- Benzoin
- aloe

Question No.12

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Bookmark

The most intense peak in the mass spectrum is called

- Metastable peak
- M+1 peak
- Mass peak
- Base peak

Question No.13

4.00

Bookmark

Flame photometry cannot be used for

- Selenium
- Sodium
- Barium
- Calcium

Question No.14

4.00

Bookmark

In which of the following Ayurvedic formulation preservative is not required

- Asava
- Lepa
- Vatika
- Ghirida

Question No.15

4.00

Bookmark

Which of the following is used in Alzheimer disease

- Ambenonium
- Arecoline
- Demacarium
- Galantamine

Question No.16

4.00

Bookmark

Statement: Apart from its entertainment value of Television, its educational value cannot be ignored

Assumptions:

I. People take Television to be the means of entertainment only.

II. The educational value of Television is not realized properly

- If only assumption II is implicit
- If both I and II are implicit
- If only assumption I is implicit
- If neither I nor II is implicit

Question No.17

4.00

Bookmark

Silica gel 60 F₂₅₄ contains

- 254 μ m particle size
- Gypsum as binder
- Fluorescent indicator
- Both B & C

Question No.18

4.00

Bookmark

Which isomer of ethambutol is clinically active?

- Dextro
- Levo
- Erythro
- Threo

Question No.19

4.00

Bookmark

Chemically cotton is

- Starch
- Cellulose
- Glycoside
- Resin

Question No.20

4.00

Bookmark

Anisocytic stomata are present in

- Belladonna
- Coca
- Senna
- Digitalis

Question No.21

4.00

Bookmark

She studies very hard for the exams, _____?

- is it?
- isn't it?
- doesn't she?
- does she?

Question No.22

4.00

Bookmark

In reverse phase chromatography which compound is most retained?

- Intermediate polar compound
- Least polar compound
- Polar compound
- All of the above

Question No.23

4.00

Bookmark

Find the odd one out?

- Deposit
- Withdrawal
- Deduction
- Debit

Question No.24

4.00

Bookmark

Crumb : Bread ::

- Flower : Vase
- Water : Bucket
- Tea : Cup
- Splinter : Wood

Question No.25

4.00

Bookmark

Iodine value for oils and fats is measured as

- Iodine present in oils
- Presence of halogens in oils
- Extent of unsaturation
- Extent of saturation

Question No.26

4.00

Bookmark

Tropine alkaloids are **NOT** present in

- Duboisia myoporoides
- Daturastromanium
- Erythroxyllum coca
- Lobelia inflata

Question No.27

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Bookmark

Based on the information given answer the following question.

1. In a family of six persons, there are people from three generations. Each has separate professions and they like different colours. There are two couples.
2. Shyam is an Engineer and his wife is not a doctor and she does not like Red colour.
3. Chartered Accountant likes green colour and his wife is a teacher.
4. Manisha is the mother-in-law of Sunita and she likes orange colour.
5. Vimal is the grand father of Tarun and tarun is the Principal and likes black colour.
6. Nyna is the grand daughter of Manisha and she likes blue colour. Nyna's Mother likes white colour.

What is the profession of Sunita?

- Teacher
- Principal
- Chartered Accountant
- Cannot be determined

Question No.28

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Bookmark

In the Drugs and Cosmetics Act and Rules, the Schedule relating to GMP is

- Schedule Y
- Schedule C
- Schedule M
- Schedule H

Question No.29

4.00

Bookmark

Which of the following is not present in macrolide

- A large lactone ring
- A ketone group
- A glycosidically linked amino sugar
- A spiroketal group

Question No.30

4.00

Bookmark

This is the school where I studied till class 5.

The underlined word is a

- pronoun
- adjective
- preposition
- adverb

Question No.31

4.00

Bookmark

Which one of the following statements is **WRONG**?

- When the electron from the singlet excited state returns to ground state. The
- Triplet excited state is more stable than the singlet excited state
- A singlet or triplet state may result when one of the electrons from the HOMO is excited to higher energy levels
- In an excited singlet state, the spin of the electron in the higher energy orbital is paired with the electron in the ground state orbital

Question No.32

4.00

Bookmark

Paracetamol undergoes metabolism by

- Deamination
- O-dealkylation
- N-hydroxylation
- Oxidative deamination

Question No.33

4.00

Bookmark

Study the following information carefully and answer the question below it

Lakshman passes through seven lanes to reach his school. He finds that 'Truth lane' is between his house and 'Lie lane'. The third lane from his school is 'Karma lane'. 'Dharma lane' is immediately before the 'Yog lane'. He passes 'Salvation lane' at the end, 'Lie lane' is between 'Truth lane' and 'Dharma lane', the sixth lane from his house is 'Devotion lane'.

If Lakshman's house, each lane and his school are equidistant and he takes 2 minutes to pass one lane, then how long will he take to reach school from his house?

- 14 minutes
- 13 minutes
- 16 minutes
- 15 minutes

Question No.34

4.00

Bookmark

Ketoprofen is

- 3-(3-Benzoyl phenyl) propionic acid
- 2-(4-Benzoyl phenyl) propionic acid
- 4-(4-Benzoyl phenyl) propionic acid
- 2-(3-Benzoyl phenyl) propionic acid

Question No.35

4.00

Bookmark

Which is an example of monobactam?

- Sulfazecin
- Azetreonam
- Tigemonam
- All of these

Question No.36

4.00

Bookmark

Morphine produces all the pharmacological effects except

- Respiratory depression
- Mydriasis
- Analgesia
- Antitussive

Question No.37

4.00

Bookmark

For antianginal activity the nitrate derivative must be metabolized into

- Both
- Nitric oxide
- Nitrous oxide
- Oxygen

Question No.38

4.00

Bookmark

X ray effect is based on

- Outer shell electron transition
- Inner shell electron transition
- Rotation of molecule
- All of these

Question No.39

4.00

Bookmark

Statement: Ten Candidates, who were on the waiting list could finally be admitted to the course.

Assumptions:

- I. A large of number of candidates were on the waiting list.
- II. Wait listed candidates do not ordinarily get admission.

- If only assumption I is implicit
- If only assumption II is implicit
- If neither I nor II is implicit
- If both I and II are implicit

Question No.40

4.00

Bookmark

Alkaloids are **NOT** precipitated by

- Picric acid
- Mayer's reagent
- Millon's reagent
- Dragendorffs reagent

Question No.41

4.00

Bookmark

Acidity of ascorbic acid is due to the presence of

- Enolic group
- Sulphate group
- Number of hydroxyl group
- Free carboxylic acid

Question No.42

4.00

Bookmark

The most numerous cells in CNS are

- Microglia
- Neurons
- Astrocytes
- Oligodendrocytes

Question No.43

4.00

Bookmark

Smallpox vaccine contains

- Rabies vaccine
- Salmonella typhi
- Living virus vaccine
- Attenuated Staphylococcus

Question No.44

4.00

Bookmark

The pungent principle present in Ginger is

- Zingiberol
- Zingiberene
- Cineole
- Gingerol

Question No.45

4.00

Bookmark

Prostaglandins are group of related

- Fatty acids
- Ketones
- Aldehydes
- Alcohols

Question No.46

4.00

Bookmark

Diastase enzyme is _____ type of enzyme

- Amylotytic
- Proteolytic
- Mucolytic
- Carbolytic

Question No.47

4.00

Bookmark

Dragendorff's test is used to detect

- Glycosides
- Alkaloids
- Flavonoids
- Saponins

Question No.48

4.00

Bookmark

The rate limiting step in cholesterol biosynthesis is one of the following:

- LDL -receptor concentration
- Co-enzyme A formation
- Mevalonic acid formation
- VLDL secretion

Question No.49

4.00

Bookmark

A compound will be sensitive towards IR radiation only when one of the following properties undergo transition on irradiation :

- Refractivity
- Dipole moment
- Polarizability
- Dielectric constant

Question No.50

4.00

Bookmark

Macrophages are derived from

- T Cells
- B Cells
- Monocytes
- Plasma cells

Question No.51

4.00

Bookmark

Guggul is a gum resin obtained from the bark of

- Commiphoramolmol
- Commiphoramukul
- Saracaindica
- Commiphoraindica

Question No.52

4.00

Bookmark

Which of the following is given parentally?

- Celecoxib
- Rofecoxib
- Valdecoxib
- Paracoxib

Question No.53

4.00

Bookmark

Most serious side effect of spironolactone is

- Hyperkalemia
- Hypokalemia
- Hyponatrimia
- Hypernatmia

Question No.54

4.00

Bookmark

X-ray crystallographic analysis of an optically active compound determines its

- Optical rotatory dispersive power
- Absolute configuration
- Optical purity
- Relative configuration

Question No.55

4.00

Bookmark

In redox titration, indicator electrode is

- Ag wire
- Pt wire
- Glass electrode
- Hg electrode

Question No.56

4.00

Bookmark

Study the following information carefully and answer the question below it

The Director of an MBA college has decided that six guest lectures on the topics of Motivation, Decision Making, Quality Circle, Assessment Centre, Leadership and Group Discussion are to be organised on each day from Monday to Sunday.

(i) One day there will be no lecture (Saturday is not that day), just before that day Group Discussion will be organised.

(ii) Motivation should be organised immediately after Assessment Centre.

(iii) Quality Circle should be organised on Wednesday and should not be followed by Group Discussion

(iv) Decision Making should be organised on Friday and there should be a gap of two days between Leadership and Group Discussion

Which of the following information is not required for the above lecture arrangements?

- Only (i)
- All are required
- Only (iii)
- Only (ii)

Question No.57

4.00

Bookmark

Vanillin can be synthesized from

- Carvone
- Eugenol
- Quinine
- Digoxin

Question No.58

4.00

Bookmark

In anion exchange chromatography what is the charge of counter ion?

- Positive
- Negative
- Neutral
- Negative and positive

Question No.59

4.00

Bookmark

When their father died, their elder brother sold the old house and _____ in a small flat in a far-off suburb

- put them down
- set them up
- put them up
- set them down

Question No.60

4.00

Bookmark

Dropping mercury electrode is consisted of

- Mercury reservoir
- Tungsten reservoir
- Iron reservoir
- Silver reservoir

Question No.61

4.00

Bookmark

Which of the following diuretics inactivate sulfahydryl (-SH) group of enzyme

- Furosemide
- Bumetanide
- Ethacrynic acid
- All of these

Question No.62

4.00

Bookmark

Hexachloro butadiene is preferred over Nujol as a mulling agent because

- It is transparent over IR range
- It has high boiling point
- It does not give C-H vibration bands
- It is non toxic

Question No.63

4.00

Bookmark

Choose the best antonym of the italicized word.

The deliberate *suavity* of Olaf's behavior made the emotions of the audience volatile.

- pleasantness
- impetuosity
- politeness
- stupidity

Question No.64

4.00

Bookmark

Aminotransferases usually require the following for their activity :

- Niacinamide
- Pyridoxalphosphate
- Thiamine
- Vitamin B1

Question No.65

4.00

Bookmark

Which of the following ionization technique is used in molecular weight determination of large biomolecules by using mass

- Electron impact
- Neutron impact
- Chemical ionization
- MALDI

Question No.66

4.00

Bookmark

Which of the following is second generation quinolone antibiotic?

- Ofloxacin
- Sparfloxacin
- Nalidixic acid
- Ciprofloxacin

Question No.67

4.00

Bookmark

Rancidity of fat is due to

- Saponification
- Neutralisation
- Oxidation
- Hydrolysis

Question No.68

4.00

Bookmark

Ethambutol molecule has

- one chiral center and 2 stereoisomers
- two chiral centers and 4 stereoisomers
- two chiral centers and 2 stereoisomers
- two chiral centers and 3 stereoisomers

Question No.69

4.00

Bookmark

Six member heterocyclic compound with 1,3 nitrogen is

- Pyrazine
- Pyridine
- Pyrimidine
- Piperazine

Question No.70

4.00

Bookmark

Drug retail sale licenses are issued by

- Director of Public Health
- Union Health minister
- Drug control authorities of States
- Drugs controller of India

Question No.71

4.00

Bookmark

Dimercaprol is

- 2,3 – Dimercapto 1- Propanol
- 2,2 – Dimercapto 4- Propanol
- 3,3 – Dimercapto 1- Propanol
- 2,3 – Dimercapto 3- Propanol

Question No.72

4.00

Bookmark

If a drug is not labelled in prescribed manner then it is known as

- Misbranded drug
- Adulterated
- Genuine
- Spurious drug

Question No.73

4.00

Bookmark

Being awarded the Best Singer in 2010 marked a _____ in her life.

- memorial
- milestone
- yardstick
- sign-post

Question No.74

4.00

Bookmark

A bond in which atoms share a pair of electrons is

- Electrovalent bone
- Vander Walls' force
- Covalent bond
- Ionic bond

Question No.75

4.00

Bookmark

The compound which first elute in the gel filtration chromatography is

- Intermediate size molecules
- Larger molecule
- Smaller molecule
- Both molecules

Question No.76

4.00

Bookmark

'n' electrons present in

- Ethylene
- Propanol
- Benzene
- Acetylene

Question No.77

4.00

Bookmark

Anaphylactic reaction is an indication of

- Presence of typhoid bacilli
- No antibodies present in blood
- Immunity
- Hypersensitivity to the given protein

Question No.78

4.00

Bookmark

Tannins give the following colour with iron compound :

- Orange
- Light pink
- Blue black
- Pale yellow

Question No.79

4.00

Bookmark

For the registration of Pharmacists in the various states the pharmacy act provides the constitution of

- Registration tribunal
- Registrar of any University
- Registrar of State Pharmacy council
- Registrar of Cooperative societies

Question No.80

4.00

Bookmark

Klystron is used as radiation source in

- X ray diffraction
- Mass spectrometry
- UV spectrometry
- Electron spin resonance

Question No.81

4.00

Bookmark

Clofibrate increases toxicity of

- Phenytoin
- Tolbutamide
- Coumarin
- All of these

Question No.82

4.00

Bookmark

Splitting signal in NMR spectrum indicates

- Electronic environment of each kind of proton
- Number of neighbouring protons present
- Number of different kinds of protons present in different environment
- Relative number of protons

Question No.83

4.00

Bookmark

Which of the following has the highest chemical shift (PPM) value

- CH₃Cl
- CH₃I
- CH₃ Br
- CH₃F

Question No.84

4.00

Bookmark

Which of the following belongs to the Zingiberaceae family

- Datura
- Clove
- Ginger
- Senna

Question No.85

4.00

Bookmark

Which of the following monoclonal antibody is used as anticancer drug?

- Rituximab
- Muromonab
- Trastuzumab
- A and C

Question No.86

4.00

Bookmark

Increase in conjugation causes

- Hyperchromic shift
- Hypochromic shift
- Hypsochromic shift
- Bathochromic shift

Question No.87

4.00

Bookmark

Simvastatin has which of the following rings

- Pyrrole
- Indole
- Pyridine
- Naphthyl

Question No.88

4.00

Bookmark

Select the Pair that best represents the relationship that is given in the question:

Explore : Discover

- Books : Knowledge
- Tree : Wood
- Think : Relate
- Research : Learn

Question No.89

4.00

Bookmark

Nidhi walks 10 metres in front and 10 metres to the right. Then every time turning to her left, she walks 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point?

- 10 metres
- 5 metres
- 15 metres
- None of the above

Question No.90

4.00

Bookmark

- 1
- 2
- 4
- 3

Question No.91

4.00

Bookmark

Chlorine or bromine substitution in aromatic compound

- Remove the fluorescence
- Quenches fluorescence
- Enhances fluorescence
- No change in the fluorescence

Question No.92

4.00

Bookmark

Which of the following is used to treat amoebiasis

- Theophylline
- Strychnine
- Aconite
- Ipecac

Question No.93

4.00

Bookmark

Which of the following is a natural vasodilator

- Adenosine
- Both bradykinin and adenosine
- Aspirin
- Bradykinin

Question No.94

4.00

Bookmark

If A+B means A is daughter of B,
A-B means A is husband of B
A × B means A is brother of B

From the statement $A \times B \times C \times D$, which of the following statement is not necessarily true?

- D is brother of C
- C is the brother of A
- A, B, C are male
- B is the brother of A

Question No.95

4.00

Bookmark

Mefenemic acid is a derivative of

- N-Anthracene
- 5,6-Anthranilic acid
- N-Anthronic acid
- N-Anthranilic acid

Question No.96

4.00

Bookmark

The enflourage process is used for the extraction of

- Resins
- Glycosides
- Essential oils
- Fixed oils

Question No.97

4.00

Bookmark

Which of the following has a zero dipole moment

- SO₂
- SO₃
- CO
- H₂O

Question No.98

4.00

Bookmark

Choose the best synonym of the italicized word.

Children of excessively indulgent parents often become very *recalcitrant*.

- insolent
- dependent
- disobedient
- indolent

Question No.99

4.00

Bookmark

Volatile oil containing bark drug is

- Cinnamon
- Rhubarb
- Kurchi
- Arjuna

Question No.100

4.00

Bookmark

Halphen's test is used for

- Detection of cotton seed oil as an adulterant
- Saponins
- To detect artificial invert sugar
- Tannins