



## RRB Paramedical 21st July 2019 Shift-3

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## RRB Paramedical 21st July 2019 Shift-3

### Instructions

For the following questions answer them individually

### Question 1

What is the other name for Vitamin B3?

- A Pantothenic acid
- B Riboflavine
- C Nicotinic acid
- D Pyridoxine

Answer: C

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### Question 2

At what time of the day is the relative humidity normally at a minimum?

- A When the air temperature is lowest
- B Just before sunrise
- C When the air temperature is highest
- D about midnight

Answer: C

### Question 3

In universal indicators a pH of 7 is shown with

- A Yellow colour
- B Blue Colour
- C Green colour
- D Pink Colour

Answer: C

### Question 4

Thioglycolic acid is used in the limit test for

- A Iron
- B Chloride
- C Sulphate
- D Lead

Answer: A

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### Question 5

In this question, relationship between different elements is shown in the statement. This statement is followed by three conclusions. Assume the given statement to be true and choose the answer from the given options:

**Statement:**

$$F = L < A < R > E$$

**Conclusions:**

- i)  $A > E$
- ii)  $F < R$
- iii)  $L > E$

- A Only i) and ii) follow
- B Only ii) follows (Chosen option)
- C Only ii) and iii) follow
- D All follow

**Answer: B**

### Question 6

Which one of the following lymphocytes produce antibodies?

- A Macrophages
- B T cells
- C Helper T cells
- D B Cells

**Answer: D**

### Question 7

Indicate the chemical constituent of Vitamin D

- A Biotin
- B Calciferol
- C Ascorbic acid
- D Tocopherol

**Answer: B**

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### Question 8

What is the diameter of Large Unilamellar vesicle?

- A 600 to 800nm
- B 400 to 600nm

C 0 to 100nm

D 100 to 400nm

Answer: D

**Question 9**

Indicate the region of oral mucosa where the blood flow will be high?

A Buccal

B Sublingual

C Frenulum

D Ventral Tongue

Answer: B

**Question 10**

What you mean by Botanical identity of a medicinal plant?

A Genus and species

B Genus, species, subspecies/variety, author and family

C Genus, species, subspecies/variety, author, family and active principles (Chosen option)

D Species name

Answer: B

## RRB General Science Notes (Download Pdf)

**Question 11**

HLB Value of sodium lauryl sulphate is

A 40

B 1.8

C 11.6

D 18

Answer: A

**Question 12**

Find the next number in the series.

4, 9, 20, 43, 90, ?

A 175

B 205

C 195

D 185

**Answer: D**

**Question 13**

The process of transferring of charge from a charged object to the earth is called

- A discharging
- B skimming
- C ging
- D earthing

**Answer: D**

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**Question 14**

Two bells ring at intervals of 86 seconds and 48 seconds. If they both ring at 10 O'clock in the morning together, after how many seconds will they ring together again?

- A 2084
- B 2064
- C 2044
- D 3004

**Answer: B**

**Question 15**

Members of Rajya Sabha are elected for a term of

- A Six years
- B Five years
- C Eight years
- D Ten years

**Answer: A**

**Question 16**

Identify the mechanism of hammer mill

- A Compression
- B Cutting
- C Impact
- D Attrition

**Answer: C**

## General Knowledge Questions & Answers (Download pdf)

### Question 17

Emetin an alkaloid of ipecacuanna, act as

- A Anti - malarial
- B Anti - diarrheal
- C Anti- septic
- D Amoebicide

Answer: D

### Question 18

Which dye will give yellow colour

- A Indigocarmine
- B Erythrosin
- C Amaranth
- D Tartrazine

Answer: D

### Question 19

Fat soluble vitamins are binding to

- A  $\alpha$ 2- globulin
- B  $\alpha$ 1 - globulin
- C  $\beta$ 1 - globulin
- D  $\beta$ 2 - globulin

Answer: A

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### Question 20

Ethylene gas promotes

- A Cell division
- B Fruit ripening
- C Abscission of leaves
- D Root formation

Answer: B

**Question 21**

Name the schedule in which the factory premises must comply

- A P
- B M
- C O
- D N

**Answer: B**

**Question 22**

Choose the corresponding hex decimal number for the binary number 1011.

- A A
- B C
- C D
- D B

**Answer: D**

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**Question 23**

What does a negative value of sigma signify for a substituent?

- A It is electron withdrawing
- B It is hydrophobic
- C It is electron donating
- D It is neutral (Chosen option)

**Answer: C**

**Question 24**

Which of the following drug is used to demonstrate the topical action on eye?

- A Ketotifen
- B Nifedipine
- C Tolmetin
- D Lignocaine

**Answer: D**

**Question 25**

Which one of the following is the normal range of diastolic pressure?

- A 70-90mm Hg
- B 110-145 mm Hg
- C 100-120 mm Hg
- D 40-55mm Hg

**Answer: A**

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**Question 26**

**Which State topped the medal tally in Khelo India Youth Games 2019?**

- A Haryana
- B Maharashtra
- C Karnataka
- D Punjab

**Answer: B**

**Question 27**

**Flame Ionisation Detector is the most common detector for**

- A Liquid Chromatography
- B Thin Layer Chromatography
- C Gas Chromatography
- D High Pressure Liquid Chromatography

**Answer: C**

**Question 28**

**Which one of the following is NOT a terms associated with therapeutic Drug-drug interaction?Antagonism**

- A Antagonism
- B Addition
- C Synergism
- D Oxidation

**Answer: D**

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**Question 29**

**Sterilisation by Autoclave is an example for**



- A Moist Heat Sterilisation
- B Gaseous sterilisation
- C Dry Heat sterilisation
- D Radiation sterilisation

**Answer: A**

**Question 30**

If **flowability** is expressed as **GOOD** then the **percentage compressibility** is having the value of

- A 18 to 21%
- B 12 to 16%
- C 5 to 10 percent
- D 23 to 25%

**Answer: B**

**Question 31**

Cells are enclosed by a plasma membrane composed mainly of ..... and .....

- A fats and carbohydrates
- B lipids and proteins
- C proteins and emulsified fats
- D lipids and emulsified fats

**Answer: B**

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**Question 32**

"Wilhelmy plate method" is used to measure

- A Density
- B Surface tensions
- C Specific gravity
- D Viscosity

**Answer: B**

**Question 33**

Isomerism caused by the different arrangements of atoms or groups in space is called as

- A Structural isomerism
- B Metamerism

- C Tautomerism
- D Stereo isomerism

Answer: D

**Question 34**

Which book uses a two-letter coding system

- A Orange
- B Red
- C Green
- D Blue

Answer: A

**Question 35**

Indicate the use of Lanolin

- A Viscosity Controller
- B Preservative
- C Emollient
- D Colouring agent

Answer: C

**Question 36**

The extent of reproducibility of the result is

- A Precision
- B Range
- C Accuracy
- D Linearity

Answer: A

**Question 37**

In Kjeldahl's method, sample containing Nitrogen is digests with

- A Fuming  $HNO_3$
- B Conc.  $NaOH$
- C Strong ammonia solution
- D Conc.  $H_2SO_4$

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Answer: D

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### Question 38

Indicate the example of Pneumatic dryers

- A Spray dryer
- B Drum Dryer
- C Freeze dryer
- D Fluidized bed dryer

Answer: A

### Question 39

Identification test for protein is

- A Kries test
- B Biuret test
- C Molisch's test
- D Hydrolysis test

Answer: B

### Question 40

On dividing a number by 371, we get 52 as remainder. On dividing the same number by 53, what will be the remainder?

- A 52
- B 49
- C 51
- D 50

Answer: A

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### Question 41

Which of the following is an Autosomal Dominant disorder?

- A Alkaptonuria
- B Polycystic Kidney disease
- C Thalassemias
- D Wilson disease

Answer: B

**Question 42**

The Constitution of India mainly stands for a

- A Religious State
- B Secular State
- C Pious State
- D Non Secular State

**Answer: B**

**Question 43**

The end point of redox titration is,

- A Indicator, potentiometric and amperometric methods
- B Internal indicator only
- C Conductometric technique
- D Potentiometric and indicator method

**Answer: A**

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**Question 44**

A woman stands on the road facing South direction. She turns 72 degrees in clockwise direction and 162 degrees in anti-clockwise direction. Which direction is she facing now?

- A East
- B South
- C North
- D West

**Answer: A**

**Question 45**

Which one of the following is not a kind of major punishment for various types of misconduct?

- A Demotion
- B Loss of privileges
- C Discharge
- D With holding of increments

**Answer: B**

**Question 46**

**Nicotinic antagonist is**

- A Atropine
- B Suxamethonium
- C Decamethonium
- D Hyoscine

**Answer: B**

**General Knowledge Questions & Answers (Download pdf)**

**Question 47**

**Indicate the gas used for sterilisation**

- A Nitrous oxide
- B Ethylene oxide
- C Chloroform
- D Cyclohexane

**Answer: B**

**Question 48**

**In a certain code language, if ALLOW is coded as ODOZR, then how is DELAY coded in that language?**

- A GHODB
- B CEPIH
- C HGOBD
- D WVOZB

**Answer: C**

**Question 49**

**Narora Nuclear Power Plant is located in which of the following States?**

- A Andhra Pradesh
- B Himachal Pradesh
- C Uttar Pradesh
- D Madhya Pradesh

**Answer: C**

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Question 50

Which of the following is not a strongly activating ortho paradirectors?

- A  $OCH_3$
- B  $NHR$
- C  $NH_2$
- D  $OH$

Answer: A

Question 51

If "extraction ratio (ER) value is zero", then there is no

- A Metabolism
- B Elimination
- C Absorption
- D Distribution

Answer: B

Question 52

"Lyophilization" means

- A Vacuum dryer
- B Freeze dryer
- C Spray dryer
- D Fluidised bed dryer

Answer: B

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Question 53

Impure blood (deoxygenated ) carried by \_\_\_\_\_

- A Pulmonary vein
- B Pulmonary Artery
- C Coronary Artery
- D Aorta

Answer: B

Question 54

One milligram is equal to

- A 0.0001 gram
- B 0.001 gram
- C 0.1 gram
- D 0.01 gram

Answer: B

**Question 55**

1650 boys and 1100 girls are examined in a test; 42% of the boys and 36% of the girls pass the test. The percentage of the total who failed is

- A 63.4
- B 61.4
- C 60.4
- D 62.4

Answer: C

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**Question 56**

"Cryoscopic method" is used to adjust

- A Particle size
- B Viscosity
- C Isotonicity
- D Diffusion

Answer: C

**Question 57**

A train passes a station platform in 48 seconds and a man standing on the platform in 32 seconds. If the speed of the train is 29 m/s, what is the length of the platform? (meter)

- A 464
- B 474
- C 484
- D 494

Answer: A

**Question 58**

Which among the following is used for radioactive dating?

- A Carbon

- B Krypton
- C Sodium
- D Aluminium

Answer: A

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**Question 59**

In the (preparation of liposomes) proliposomes method, the lipids are dried down to a finely divided particulate support such as

- A Powder ed sodium chloride
- B Powdered Sodium bi carbonate
- C Powdered potassium chloride
- D Powdered Sodium sulphate

Answer: A

**Question 60**

An ideal suncreening agent should absorb erythmogenic radiations in the range of

- A 290 to 320 nm
- B 400 to 450 nm
- C 100 to 150 nm
- D 490 to 520 nm

Answer: A

**Question 61**

CFR 211 refers to

- A Code of Federal regulations 211
- B Compliance to Federal Regulations 211
- C Code of Final Regulations 211
- D Compliance to Final Regulations 211

Answer: A

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**Question 62**

What is AYUSH?

- A Ayurv eda, Yoga, Unani, Siddha and Herbal
- B Allopathy, Unani, Siddha and Homeopathy



C Ayurveda, Unani, Siddha and Homeopathy

D Ayurveda, Yoga, Unani, Siddha and Homeopathy

Answer: D

**Question 63**

What is the SI unit of Pressure?

A hertz

B henry

C joule

D pascal

Answer: D

**Question 64**

Indicate the amount of gelling agent used in after shave gel

A 5 to 10%

B 2 to 5%

C 10 to 15%

D 0 to 1%

Answer: D

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**Question 65**

Insulin is composed of total \_\_\_\_\_

A 81 amino acids

B 51 amino acids

C 30 amino acids

D 21 amino acids

Answer: B

**Question 66**

IUPAC name for the structure  $CH_3 - CH_2 - CH_2 - CH_2$  is

A ethyl

B pentyl

C propyl

D butyl

**Answer: D**

**Question 67**

**Who discovered Penicillin vaccine?**

- A Edward Jenner
- B Watson and Crick
- C Alexander Fleming
- D Robert Koch

**Answer: C**

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**Question 68**

**Bacterial cell walls are composed of**

- A Peptidoglycan
- B Proteins
- C Sterols
- D Polysaccharides

**Answer: A**

**Question 69**

**State of being free from all living microorganisms is known as**

- A Asepsis
- B Sterile
- C Contamination
- D Sepsis

**Answer: B**

**Question 70**

**The Objects in motion on ground level possess \_\_\_\_\_ energy. (Taking ground level as 0 potential )**

- A frictional
- B kinetic
- C potential
- D gravitational

**Answer: B**



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Question 71

The synonym for Chlorinated lime is

- A Quick lime
- B Slaked lime
- C Lime stone
- D Bleaching Powder

Answer: D

Question 72

The Augusta Masters trophy is related to which game/sport?

- A Football
- B Golf
- C Baseball
- D Cricket

Answer: B

Question 73

The ability of the eye lens to adjust its focal length is called \_\_\_\_\_

- A magnification
- B modulation
- C focal length
- D accommodation

Answer: D

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Question 74

Cranial nerves arises from the \_\_\_\_\_

- A heart
- B brain
- C kidney
- D lungs

Answer: B

**Question 75**

Which of the following drug is used to demonstrate the mydriatic action

- A Atropine Sulphate
- B Chlorambucil
- C Procaine
- D N-Flurouracil

**Answer: A**

**Question 76**

According to Wedge theory, monovalent soaps give

- A O/W emulsions
- B W/O emulsions
- C O/W/O emulsions
- D W/O/W emulsions

**Answer: A**

## General Knowledge Questions & Answers (Download pdf)

**Question 77**

How much a "post - tax return on networth" will be fixed by the government, while fixing the sale prices of bulk drugs?

- A 16%
- B 14%
- C 10%
- D 12%

**Answer: B**

**Question 78**

A tax collected at every stage of value addition either by production or distribution is known as

- A Value Added tax
- B Direct Tax
- C Indirect Tax
- D Progressive Tax

**Answer: A**

**Question 79**

Shift in Lambda ( $\lambda$ ) max towards longer wavelength in UV visible spectroscopy is

- A Hyperchromic shift
- B Bathochromic Shift
- C Hypsochromic shift
- D Hypochromic shift

**Answer: B**

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**Question 80**

**Jabalpur city is situated on the bank of the river**

- A Bhima
- B Mahanadi
- C Narmada
- D Brahmaputra

**Answer: C**

**Question 81**

**The half-life of C-14 is**

- A 1020 years
- B 570 years
- C 5730 years
- D 8000 years

**Answer: C**

**Question 82**

**Which one among the following has High glycemic index?**

- A Syrupy foods
- B Vegetables
- C Brown rice
- D Whole grains

**Answer: A**

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**Question 83**

**Dioscin on hydrolysis gives**

- A Glucose and galactose
- B Glucose and rhamnose
- C Xylose and rhamnose
- D Glucose and xylose

Answer: B

**Question 84**

Identify the salt used for polishing the capsule

- A Sodium bicarbonate
- B Starch
- C Ammonium chloride
- D Sodium chloride

Answer: D

**Question 85**

Which of the following elements is a diatomic molecule?

- A Phosphorous
- B Chlorine
- C Sulphur
- D Argon

Answer: B

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**Question 86**

The percentage of total calories obtained from carbohydrates should be between

- A 5 to 10%
- B 50% to 60%
- C 20 to 30%
- D 10% to 20%

Answer: B

**Question 87**

By selling a CPU for Rs.6095, a man makes a profit of 15%. At what price should he sell it to make a profit of 25%? (in Rs.)

- A 6615
- B 6635

C 6625

D 6645

Answer: C

**Question 88**

The basis for the relationship between the voltage generated by an electrochemical cell and the relevant concentration at each electrode is explained by

A Farada ys Law

B Nernst Equation

C Gibbs Equation

D Nitrogen Rule

Answer: B

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**Question 89**

Which among the following is not a 'Dissolved-materials' in domestic sewage?

A Ammonia

B Nitrates

C Silt

D Phosphates

Answer: C

**Question 90**

Reduction in chemical reactions is the \_\_\_\_\_

A gain of nitrogen

B gain of oxygen

C loss of hydrogen

D gain of hydrogen

Answer: D

**Question 91**

What is the symbol of the element Tin?

A Tn

B Sn

C Ti

D Si

Answer: B

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Question 92

Which one of the following is NOT a barrier to Communication?

- A Language
- B Pollution
- C Noise
- D Multiple transmitters

Answer: B

Question 93

How many registered pharmacists elected amongst themselves for state pharmacy council?

- A 4
- B 6
- C 5
- D 3

Answer: B

Question 94

The ratio of number of girls to boys in a school of 3060 students is 33 : 35. How many more girls should be admitted to make the ratio 1 : 1?

- A 100
- B 90
- C 80
- D 110

Answer: B

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Question 95

World heritage site 'Group of Monuments at Hampi' is situated in which State?

- A Kerala
- B Karnataka
- C Tamil Nadu
- D Gujarat



**Answer: B**

**Question 96**

**What would be the period for completing priority review in NDA ?**

- A 12 months
- B 6 months
- C 9 months
- D 3 months

**Answer: B**

**Question 97**

**Which type of resin present in Benzoin ?**

- A Oleo gum resin
- B Oleo resin
- C Gum resin
- D Balsamic resin

**Answer: D**

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**Question 98**

**Who is called the Indian Einstein?**

- A Nagarjuna
- B Genghis Khan
- C Subhas Chandra Bose
- D Amir Khusrau

**Answer: A**

**Question 99**

**Among the following organs in which the perfusion rate is maximum?**

- A Liver
- B Kidney
- C Heart
- D Lungs

**Answer: D**

Question 100

Sodium Fluoride is used to prevent

- A Ulcer
- B Dental caries
- C Skin problems
- D Dandruff

Answer: B

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