

## General Awareness & General knowledge

1

This year's State Rooftop Solar Attractiveness Index (SARAL) has been topped by which state?

(A)

Andhra Pradesh

(B)

Karnataka

(C)

Telangana

(D)

Madhya Pradesh

**Answer: (B) Karnataka**

2

Which rainforest is facing a raging fire from over a fortnight?

(A)

Amazon

(B)

Nile

(C)

Congo

(D)

New Guinea

**Answer: (A) Amazon**

3

Recently, \_\_\_\_\_ has launched Samwad with Students as part of its outreach programme.

(A)

Ministry of Human Resource Development

(B)

ISRO

(C)

ICG

(D)

DRDO

**Answer: (B) ISRO**

4

Which state government started Entrepreneurship Curriculum in govt. schools for first time?

(A)

Maharashtra

(B)

Goa

(C)

Delhi

(D)

Kerala

**Answer: (C) Delhi**

5

MS-Word is an example of \_\_\_\_\_

(A)

An operating system

(B)

A processing device

(C)

Application software

(D)

An input device

**Answer: (C) Application software**

6

Ctrl, Shift and Alt are called ..... keys.

(A)

modifier

(B)

function

(C)

alphanumeric

(D)

adjustment

**Answer: (A) modifier**

7

What colour does yellow and green make?

(A)

Lime

(B)

Ocean mist

(C)

Maroon

(D)

Tangerine

**Answer: (A) Lime**

8

On which date, National Panchayati Raj Day is observed?

(A)

January 20

(B)

May 3

(C)

April 10

(D)

April 24

**Answer: (D) April 24**

9

On which among the following dates, Army Day is observed?

(A)

January 15

(B)

February 15

(C)

March 15

(D)

April 15

**Answer: (A) January 15**

10

Continent where Tundra type of climate is NOT found?

(A)

Asia

(B)

North America

(C)

Europe

(D)

Australia

**Answer: (D) Australia**

11

Who wins the Men's Single Australian Open Trophy in 2019?

(A)

Rafael Nadal

(B)

Novak Djokovic

(C)

Roger Federer

(D)

Andy Murray

**Answer: (B) Novak Djokovic**

12

Which Actor wins the Best Actor award in a Leading Role in the 91st Academy Awards ceremony?

(A)

Rami Malek

(B)

Mahershala Ali

(C)

Robert Downey Jr.

(D)

Chris Hemsworth

**Answer: (A) Rami Malek**

13

Who becomes the youngest player to takes a hat-trick in IPL cricket history?

(A)

Jasprit Bumrah

(B)

Sam Curran

(C)

Rashid Khan

(D)

S Gopal

**Answer: (B) Sam Curran**

14

The National War Memorial in Delhi was inaugurated on

(A)

24th February, 2019

(B)

25th February, 2019

(C)

26th February, 2019

(D)

28th February, 2019

**Answer: (B) 25th February, 2019**

15

National technology Day is observed on

(A)

5th May

(B)

8th May

(C)

11th May

(D)

14th May

**Answer: (C) 11th May**

16

Vajiralongkorn crowned as the new King of which country

(A)

Malaysia

(B)

Thailand

(C)

Japan

(D)

Indonesia

**Answer: (B) Thailand**

17

World Press Freedom Day is observed on

(A)

3rd May

(B)

5th May

(C)

9th May

(D)

12th May

**Answer: (A) 3rd May**

18

What is the overall percentage of voting recorded in the 17th Lok Sabha election in 2019

(A)

70

(B)

72

(C)

76

(D)

78

**Answer: (A) 70**

19

To promote the MSME sector, the GOI is coming up with which e-commerce portal?

(A)

India Craft

(B)

Bharat Shakti

(C)

Bharat Craft

(D)

India Shakti

**Answer: (C) Bharat Craft**

20

For which sport, the Op-Blue Freedom has been organized by armed forces veterans?

(A)

Sea Walking

(B)

Scuba Diving

(C)

Jet Skiing

(D)

Wakeboarding

**Answer: (B) Scuba Diving**

## English language

21

The receiver confirms to the sender that he has received the message and understood it through \_\_\_\_\_.

(A)

feedback

(B)

decoding

(C)

encoding

(D)

receiving

**Answer: (A) feedback**

22

Which of these is used after a nominative absolute?

(A)

Colon

(B)

Comma

(C)

Full Stop

(D)

Question mark

**Answer: (B) Comma**

23

\_\_\_\_\_ I ask a question? Yes, of course.

(A)

may

(B)

must

(C)

should

(D)

will

**Answer: (A) may**

24

Last year, there were a large number of mangoes \_\_\_\_\_ the tree.

(A)

in

(B)

at

(C)

with

(D)

on

**Answer: (D) on**

25

The tress here are really beautiful \_\_\_\_\_ the spring

(A)

in

(B)

at

(C)

during

(D)

on

**Answer: (C) during**

26

I live \_\_\_\_\_ the river.

(A)

across

(B)

with

(C)

from

(D)

on

**Answer: (A) across**

27

I like to eat cookies \_\_\_\_\_ I like to drink milk.

(A)

that

(B)

for

(C)

and

(D)

after

**Answer: (C) and**

28

\_\_\_\_\_ gave the service of dabbawalahs its highest quality rating of Sigma.

(A)

The Times of India

(B)

Times Magazine

(C)

Forbes Magazine

(D)

India Today

**Answer: (C) Forbes Magazine**

29

'Travel by train' is delightful piece of \_\_\_\_\_.

(A)

Drama

(B)

Poetry

(C)

Novel

(D)

Prose

**Answer: (D) Prose**

30

Whom does the "playmate" refer to in the poem "Paper Boats"?

(A)

A sister

(B)

A close friend

(C)

A distant relative

(D)

An imaginary friend

**Answer: (D) An imaginary friend**

31

\_\_\_\_\_ all her friends were on holiday, she was alone.

(A)

Because of

(B)

Since

(C)

For

(D)

because

**Answer: (B) Since**

32

Communication is a \_\_\_\_\_ process.

(A)

three-way

(B)

four-way

(C)

two-way

(D)

five-way

**Answer: (C) two-way**

33

Communicating concretely means being \_\_\_\_\_.

(A)

vague

(B)

general

(C)

specific

(D)

irrelevant

**Answer: (C) specific**

34

\_\_\_\_\_ forms of speech in the classroom is an integral part of pupils' success.

(A)

Correct

(B)

Incorrect

(C)

Improper

(D)

Invalid

**Answer: (A) Correct**

35

Dabbawalas work with \_\_\_\_\_

(A)

clarity and speed

(B)

precision and speed

(C)

carefulness and swiftness

(D)

precision and sharp

**Answer: (B) precision and speed**

36

\_\_\_\_\_ is the idea, information, view etc, that is generated by the sender.

(A)

Encoding

(B)

Message

(C)

Channel

(D)

Noise

**Answer: (B) Message**

37

The secondary source of information comprised of \_\_\_\_\_

(A)

Text books and research monographs.

(B)

Subject periodicals and encyclopedias.

(C)

indexing and abstracting periodicals.

(D)

Bibliography and patents.

**Answer: (C) indexing and abstracting periodicals.**

38

The \_\_\_\_\_ are described as those who insist on keeping the windows open during the cold and desolate day.

(A)

noisy children

(B)

cranks

(C)

mighty sleepers

(D)

heavy carriers

**Answer: (B) cranks**

39

Why does the poet call the last stage to be "second childishness" of a person?

(A)

He behaves like a child

(B)

He has to be taken care again like a child

(C)

He keeps forgetting everything

(D)

He is immature in behavior

**Answer: (B) He has to be taken care again like a child**

40

Who announced the entry of the cobra into the compound?

(A)

Dasa

(B)

The neighbor

(C)

The lady servant

(D)

The cyclist

**Answer: (D) The cyclist**

## Numerical aptitude

41

If the number  $517 * 324$  is completely divisible by 3, then the smallest whole number in the place of \* will be:

(A)

0

(B)

1

(C)

2

(D)

3

**Answer: (C) 2**

42

The smallest 3 digit prime number is:

(A)

103

(B)

107

(C)

113

(D)

None

**Answer: (D) None**

43

How many 3-digit numbers are completely divisible 6?

(A)

149

(B)

150

(C)

151

(D)

166

**Answer: (B) 150**

44

The smallest prime number is:

(A)

1

(B)

2

(C)

3

(D)

4

**Answer: (B) 2**

45

How many 3 digit numbers are divisible by 6 in all?

(A)

149

(B)

150

(C)

151

(D)

166

**Answer: (B) 150**

46

The units digits in the product  $274 * 318 * 577 * 313$  is:

(A)

5

(B)

3

(C)

2

(D)

4

**Answer: (C) 2**

47

If the number  $5 * 2$  is divisible by 6, then  $* = ?$

(A)

2

(B)

3

(C)

6

(D)

7

**Answer: (A) 2**

48

$$(?) - 19657 - 33994 = 9999$$

(A)

63650

(B)

53760

(C)

59640

(D)

61560

**Answer: (A) 63650**

49

$$(?) + 3699 + 1985 - 2047 = 31111$$

(A)

34748

(B)

27474

(C)

30154

(D)

27574

**Answer: (B) 27474**

50

How many natural numbers are there between 23 and 100 which are exactly divisible by 6?

(A)

8

(B)

11

(C)

12

(D)

13

**Answer: (D) 13**

51

$$8597 - ? = 7429 - 4358$$

(A)

5426

(B)

5706

(C)

5526

(D)

5523

**Answer: (C) 5526**

52

A 3-digit number  $4a3$  is added to another 3-digit number  $984$  to give a 4-digit number  $13b7$ , which is divisible by 11. Then,  $(a + b) = ?$

(A)

10

(B)

11

(C)

12

(D)

15

**Answer: (A) 10**

53

$$(12345679 \times 72) = ?$$

(A)

88888888

(B)

888888888

(C)

898989898

(D)

999999998

**Answer: (B) 888888888**

54

$$-84 \times 29 + 365 = ?$$

(A)

2436

(B)

2801

(C)

-2801

(D)

-2071

**Answer: (D) -2071**

55

What was the day of the week on 17th June, 1998?

(A)

Monday

(B)

Tuesday

(C)

Wednesday

(D)

Thursday

**Answer: (C) Wednesday**

56

A, B, C can do a job in 10, 20 and 40 days respectively. In how many days A can complete the job if he is assisted by B and C on every third day?

(A)

8 days

(B)

7 days

(C)

9 days

(D)

6 days

**Answer: (A) 8 days**

57

What was the day of the week on 28th May, 2006?

(A)

Thursday

(B)

Friday

(C)

Saturday

(D)

Sunday

**Answer: (D) Sunday**

58

The angle of elevation of a ladder leaning against a wall is  $60^\circ$  and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:

(A)

2.3 m

(B)

4.6 m

(C)

7.8 m

(D)

9.2 m

**Answer: (D) 9.2 m**

59

How many seconds will a 500-metre-long train take to cross a man walking with a speed of 3 km/hr in the direction of the moving train if the speed of the train is 63 km/hr?

(A)

25

(B)

30

(C)

40

(D)

45

**Answer: (B) 30**

60

A can do a piece of work in 10 days, B in 15 days. They work together for 5 days, the rest of the work is finished by C in two more days. If they get Rs. 3000 as wages for the whole work, what are the daily wages of A, B and C respectively (in Rs):

(A)

200, 250, 300

(B)

300, 200, 250

(C)

200, 300, 400

(D)

400, 300, 200

**Answer: (B) 300, 200, 250**

## **Food Science & Food Safety**

61

As per the implementation of FSS Rules, 2016, FBOs are directed to use certain ingredients in their products as normal products without claiming any health benefits. What do these include?

(A)

Salvia hispanica

(B)

Polypodium leucotomos

(C)

Ipriflavone

(D)

PABA

**Answer: (A) Salvia hispanica**

62

The vertical issues of FSS Act includes:

(A)

Functional foods

(B)

identifies and controls hazards

(C)

Water, flavored water and beverages

(D)

Genetically modified organisms and foods

**Answer: (C) Water, flavored water and beverages**

63

Risk assessment, risk management, risk communication is part of?

(A)

Hazard analysis

(B)

Risk analysis

(C)

Control of non-conformance

(D)

Preventive action

**Answer: (B) Risk analysis**

64

ISO stands for?

(A)

International standard of organization

(B)

Indian stand of organization

(C)

International organization for standard

(D)

Indian organization of standard

**Answer: (C) International organization for standard**

65

The full form of NPOP is:

(A)

National Programme for Organic Processing

(B)

National Programme for Organic Products

(C)

National Program for Organic Production

(D)

Nodal Program for Organic Production

**Answer: (C) National Program for Organic Production**

66

HACCP defined as codex:

(A)

identifies and evaluates the hazards

(B)

identifies and controls hazards

(C)

identifies, evaluates, and controls hazards

(D)

identifies and controls hazards after verification

**Answer: (C) identifies, evaluates, and controls hazards**

67

The efficacy of HACCP system relies on:

(A)

Management

(B)

Employee

(C)

Management & employee

(D)

Lead auditor

**Answer: (C) Management & employee**

68

Which of the following is not true about FSSAI?

(A)

The head office is situated in Delhi

(B)

It is a single reference point for all matters relating to FSS

(C)

FSSAI has been established under Food Safety and Standards Act, 2006

(D)

FSSAI has established "Food Safety and Standards Act 2006

**Answer: (D) FSSAI has established "Food Safety and Standards Act 2006**

69

Which of these is a Prerequisite program?

(A)

Validation

(B)

GMP & GHP

(C)

Codex

(D)

FSSAI

**Answer: (B) GMP & GHP**

70

The National Codex Contact Point (NCCP) for India is at:

(A)

Ministry of Health and Family Welfare

(B)

Ministry of Commerce

(C)

FDA

(D)

Food Safety and Standards Authority of India, Delhi

**Answer: (A) Ministry of Health and Family Welfare**

71

Which of the following are Milk Processing Operations?

(A)

clarification

(B)

pasteurization

(C)

homogenization

(D)

all of the mentioned

**Answer: (D) all of the mentioned**

72

Homogenized milk has

(A)

creamier structure

(B)

whiter appearance

(C)

bland flavor

(D)

all of the mentioned

**Answer: (D) all of the mentioned**

73

How is milk pasteurized?

(A)

low temperature, long time

(B)

high temperature, short time

(C)

ultrahigh temperature

(D)

all of the mentioned

**Answer: (D) all of the mentioned**

74

Which stage does adulteration take place in?

(A)

producer

(B)

distributor

(C)

retailer

(D)

all of the mentioned

**Answer: (D) all of the mentioned**

75

Which of the following is an adulterant?

(A)

urea

(B)

pesticides

(C)

iron filings in tea

(D)

all of the mentioned

**Answer: (D) all of the mentioned**

76

Statement 1: In the process of making certain oils, nickel is added as a catalyst. Statement 2:

Nickel is injurious for consumption.

(A)

true, false

(B)

true, true

(C)

false, false

(D)

false, true

**Answer: (B) true, true**

77

Methods for detection of common adulterants are

(A)

visual tests

(B)

chemical tests

(C)

physical tests

(D)

all of the mentioned

**Answer: (D) all of the mentioned**

78

Which of the following is incorrect?

(A)

packages designed for uniform shipping cannot be loaded into mixed shipping

(B)

waste prevention is the most sought after option and disposal, the least sought after

(C)

shrink wraps is one of the forms of packing used

(D)

none of the mentioned

**Answer: (D) none of the mentioned**

79

Which of the following is a must in food labelling?

(A)

name

(B)

standard specification

(C)

place of origin

(D)

all of the mentioned

**Answer: (D) all of the mentioned**

80

Food Authenticity means

(A)

the food should match the description

(B)

the food should taste good

(C)

it should be cheap

(D)

none of the mentioned

**Answer: (A) the food should match the description**

81

Which of the following is a technique applied to the processing of fresh meat?

(A)

chopping

(B)

protein extraction

(C)

chopping & protein extraction

(D)

none of the mentioned

**Answer: (C) chopping & protein extraction**

82

Mina brought a meat product that was 'ready to eat' and she directly used between two slices of bread to make a sandwich. Which of the following is true about the above type of meat product?

(A)

this is called luncheon meat

(B)

this is pasteurized and stored in refrigerators

(C)

water binding agents are essential as re- heating tends to water loss

(D)

all of the mentioned

**Answer: (D) all of the mentioned**

83

Which of the following is used for checking integrity of aseptic packaging material?

(A)

sterility test

(B)

drop test

(C)

bursting test

(D)

grammage test

**Answer: (A) sterility test**

84

Which of the following will not happen when metal is cooled fast in annealing?

(A)

warping of material

(B)

cracking of material

(C)

formation of thermo elastic stresses

(D)

strength increase

**Answer: (D) strength increase**

85

Which of the following does not happen when a material is annealed?

(A)

internal stresses get relieved

(B)

increase in ductility

(C)

decrease in toughness

(D)

increase in softness

**Answer: (C) decrease in toughness**

86

Which of the following is a water-soluble vitamin and hence is required to be taken every day?

(A)

Vitamin D

(B)

Vitamin C

(C)

Vitamin K

(D)

Vitamin A

**Answer: (B) Vitamin C**

87

Which of the following works with calcium to build strong bones

(A)

Vitamin D

(B)

Vitamin C

(C)

Phosphorus

(D)

Iron

**Answer: (A) Vitamin D**

88

Piperine is a compound found in

(A)

pepper

(B)

turmeric

(C)

cardamom

(D)

cloves

**Answer: (A) pepper**

89

Which of the following is a rich source of Omega-3 oils?

(A)

Dairy products

(B)

Cod-liver oil

(C)

Vegetables

(D)

Wheat products

**Answer: (B) Cod-liver oil**

90

All of the following are nutrients found in food except \_\_\_\_\_.

(A)

plasma

(B)

proteins

(C)

carbohydrates

(D)

vitamins

**Answer: (A) plasma**

91

Which of these is NOT considered a nutrient?

(A)

Vitamins

(B)

Minerals

(C)

Fiber

(D)

Fats

**Answer: (C) Fiber**

92

Citrus fruits are an excellent source of \_\_\_\_\_?

(A)

calcium

(B)

vitamin c

(C)

vitamin B

(D)

Vitamin A

**Answer: (B) vitamin c**

93

Amylases in saliva begin the breakdown of carbohydrates into \_\_\_\_\_.

(A)

Fatty Acids

(B)

Polypeptides

(C)

Amino Acids

(D)

Simple Sugars

**Answer: (D) Simple Sugars**

94

About half of your diet should be made up of \_\_\_\_\_.

(A)

Grains and Vegetables

(B)

Fruits and Milk

(C)

Milk and Cheese

(D)

Fats and Sugars

**Answer: (A) Grains and Vegetables**

95

According to the My Pyramid food guidance system, a person should obtain most of their fat from \_\_\_\_\_.

(A)

beef, chicken, and fish

(B)

vegetables oils, nuts, and fish

(C)

fats, oils, and sweets

(D)

milk, yogurt, and cheese

**Answer: (B) vegetables oils, nuts, and fish**

96

Which of these is added to the food label because people sometimes don't eat ENOUGH of this?

(A)

Fat

(B)

Calcium

(C)

Sodium

(D)

Cholesterol

**Answer: (B) Calcium**

97

Foods from the meat, poultry, fish dry beans, eggs and nuts group are an important source of \_\_\_\_\_?

(A)

Iron

(B)

Fiber

(C)

Beta Carotene

(D)

Calcium

**Answer: (A) Iron**

98

How many servings of vegetables do we need each day?

(A)

6-11

(B)

2-3

(C)

3-5

(D)

1-2

**Answer: (C) 3-5**

99

Which of the following contains lauric acid which is used to treat certain infections and also in the manufacture of soaps?

(A)

Coconut Oil

(B)

Olive Oil

(C)

Mustard Oil

(D)

Butter

**Answer: (A) Coconut Oil**

100

A(N) \_\_\_\_\_ Is A Unit of Energy That Indicates the Amount Of Energy Contained In Food.

(A)

Label

(B)

Food Guide Pyramid

(C)

Calorie

(D)

Basket

**Answer: (C) Calorie**

101

Which food contains the most fat?

(A)

Graham Crackers

(B)

Brownies

(C)

Pudding

(D)

Angel Food Cake

**Answer: (B) Brownies**

102

All of the following are needed for strong bones except:

(A)

Thiamin

(B)

Calcium

(C)

Magnesium

(D)

Vitamin D

**Answer: (A) Thiamin**

103

Which of these nutrients is the preferred energy source for the body?

(A)

B Complex Vitamins

(B)

Carbohydrates

(C)

Fats

(D)

Fiber

**Answer: (B) Carbohydrates**

104

This vitamin is needed to prevent a birth defect called Spina Bifida

(A)

Vitamin D

(B)

Vitamin A

(C)

Folate

(D)

Vitamin E

**Answer: (C) Folate**

105

\_\_\_\_\_ is an example of a hydrogenated fat.

(A)

Butter

(B)

Olive oil

(C)

Margarine

(D)

Fiber

**Answer: (C) Margarine**

106

Out of these, which bacteria is found in processed/cured meat

(A)

Moraxella

(B)

Alcaligenes

(C)

Pseudomonas

(D)

Lactobacillus sake

**Answer: (D) Lactobacillus sake**

107

The undesirable change in a food that makes it unsafe for human consumption is referred as

(A)

food decay

(B)

food spoilage

(C)

food loss

(D)

all of the mentioned

**Answer: (B) food spoilage**

108

Pasteurization is a

(A)

low temperature treatment

(B)

steaming treatment

(C)

high temperature treatment

(D)

low and high temperature treatment

**Answer: (C) high temperature treatment**

109

Which of the following statements are true about chemical preservatives

(A)

microbicidal or microstatic agents

(B)

chemical preservatives often hazardous to humans

(C)

Sodium benzoate is a widely used preservative

(D)

all of mentioned

**Answer: (D) all of mentioned**

110

Botulism is caused by

(A)

Clostridium botulinum

(B)

All Clostridium species

(C)

Clostridium tetanai

(D)

Clostridium subtilis

**Answer: (A) Clostridium botulinum**

111

Clostridium perfringens poison is an

(A)

exotoxin

(B)

enterotoxin produced during sporulation

(C)

endotoxin

(D)

enterotoxin produced during vegetative phase

**Answer: (B) enterotoxin produced during sporulation**

112

Salmonellosis involves

(A)

an enterotoxin and exotoxin

(B)

an enterotoxin and cytotoxin

(C)

an exotoxin and cytotoxin

(D)

a cytotoxin only

**Answer: (B) an enterotoxin and cytotoxin**

113

Aflatoxin is produced by

(A)

Aspergillus sp.

(B)

Salmonella sp.

(C)

Fusarium sp.

(D)

Streptococcal sp

**Answer: (A) Aspergillus sp.**

114

First Principle of Food Preservation states that

(A)

Prevention or delay of microbial decomposition

(B)

Prevention or delay of self-decomposition

(C)

Prevention of damage from insect, pest, rodents etc

(D)

Production of value added products

**Answer: (A) Prevention or delay of microbial decomposition**

115

Second Principle of Food Preservation states that

(A)

Prevention or delay of microbial decomposition

(B)

Prevention or delay of self-decomposition

(C)

Prevention of damage from insect, pest, rodents etc

(D)

Production of value added products

**Answer: (B) Prevention or delay of self-decomposition**

116

Common food poisoning microbes are

(A)

Clostridium and Salmonella

(B)

Clostridium and E.coli

(C)

E.coli and Salmonella

(D)

Clostridium and Streptococcus

**Answer: (A) Clostridium and Salmonella**

117

Good Manufacturing Practices (GMP) Regulations for foods was published in .....year, which is often referred to as the “Umbrella GMP”

(A)

1969

(B)

1979

(C)

1989

(D)

1999

**Answer: (A) 1969**

118

Bitterness in colocasia is due to:

(A)

Calcium carbonate

(B)

Calcium chloride

(C)

Potassium oxalate

(D)

Calcium oxalate

**Answer: (D) Calcium oxalate**

119

The first synthetic sweetening agent used was:

(A)

Saccharin

(B)

Cyclamates

(C)

Aspartame

(D)

Sucralose

**Answer: (A) Saccharin**

120

Jam, jellies and preserves can be preserved by adding sugar at concentration of:

(A)

0.65

(B)

0.75

(C)

40%

(D)

30%

**Answer: (A) 0.65**