

Direction:

Select the most appropriate indefinite article to fill in the blank.

• Question No. 1

I saw \_\_\_\_\_ old woman yesterday.

Options :

1. the
2. an
3. one
4. a
- 5.

Answer : an

Direction:

Select the option that can be used as a one-word substitute for the given group of words.

• Question No. 2

A narrow neck of land connecting two bigger land masses

Options :

1. Barrio
2. Altitude
3. Isthmus
4. Aquifer
- 5.

Answer : Isthmus

Direction:

Select the most appropriate meaning of the given idiom.

- Question No. 3

Spill the beans

**Options :**

1. To spoil any plan
2. To make someone angry
3. To disperse something
4. To reveal the secret
- 5.

Answer : To reveal the secret

Direction:

**Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

- Question No. 4

A. But, of course, it can also be very dangerous.

B. Many people today rightfully feel angry about the world.

C. It is cheap and easy to use, but it is ultimately destructive, and eventually it runs out.

D. Energy from anger is often like that from a fossil fuel.

E. This anger can have a positive effect when it motivates us to try to improve conditions.

**Options :**

1. BEADC
2. ADCBE
3. EADBC
4. CEDAB
- 5.

Answer : BEADC

Direction:

Select the most appropriate antonym that can substitute the bold phrase in the given sentence

- Question No. 5

They **encouraged** the students to go to the science fairs.

Options :

1. Forced
2. Allowed
3. Advised
4. Discouraged
- 5.

Answer : Discouraged

Direction:

Select the most appropriate option to fill in the blank.

- Question No. 6

The data was stored \_\_\_\_\_ the secure server.

Options :

1. on
2. across
3. between
4. onto
- 5.

Answer : on

Direction:

Select the correct spelling of the bold incorrectly spelt word in the given sentence.

- Question No. 7

Rahim is an **unconventional** and a smart boy.

**Options :**

1. enconventional
2. uncunventional
3. unconventional
4. anconventional
- 5.

Answer : unconventional

Direction:

**Identify the most appropriate idiom to replace the bold segment in the given sentence.**

- Question No. 8

She has been **trying to find** her book since the last ten days.

**Options :**

1. looking after
2. looking forward to
3. looking down upon
4. looking for
- 5.

Answer : looking for

- Question No. 9

What does 'the devil is in the details' mean?

**Options :**

1. Details can be scary as a devil.
2. Details are not important.
3. The devil is the one with the details.

4. The details are critical and cause problems.
- 5.

Answer : The details are critical and cause problems.

Direction:

Select the most appropriate ANTONYM of the word given in **bold**.

- Question No. 10

Climbing the Mount Everest is considered an arduous task and requires years of preparation.

**Options :**

1. Challenging
2. Easy
3. Difficult
4. Tedious
- 5.

Answer : Easy

Direction:

**Read the given passage and answer the questions that follow.**

#### **How football first came to Brazil**

At the end of the nineteenth century, an Englishman living in Brazil sent his son across the Atlantic to be educated in England. Charles Miller went to school, then to university, where he took part enthusiastically in all aspects of life. Sport was one of them; a hundred years ago, Britain already had an established sporting culture. During his English years, Charles grew passionately keen on football (i.e. soccer), and when, in 1894, he packed his bags to return to his family in Brazil, among the things he took with him were half a dozen footballs.

Back in Brazil, he tried to get other people interested in the game. At first, he had little success; the only people who showed any interest were other expatriate Brits; thus the first game of football in Brazil was played between two teams of young Englishmen, on a field from which the goats had first been removed.

Charles asked some journalists to come and see this new English game, but none came along. On the other hand, as the weeks went past, the spectacle of twenty-two young Inglés running round after a ball began attracting

spectators from houses nearby; before long, young local men began kicking balls round too. "Balls" is perhaps the wrong word - the only footballs in Brazil at the time were the ones that Charles Miller had brought back with him from England. The first Brazilian amateurs had to concoct their own balls, using whatever they could find to make them with.

### **English football players in 1881**

Nevertheless, even without real balls, there was plenty of enthusiasm for the new game, as "football" became the great attraction in the popular quarters of Sao Paolo, just like basketball is the great street-sport today in many world cities. By 1901, there was already a league of clubs in Sao Paolo, and the journalists who had originally laughed at the crazy English sport, were jumping on the bandwagon, writing enthusiastically about the popular new game.

The rest, as they say, is history.

- Question No. 11

The word 'expatriate Brits' refers to:

**Options :**

1. British people living in another country
2. elderly British people
3. famous British athletes
4. British journalists
- 5.

Answer : British people living in another country

Direction:

**Read the given passage and answer the questions that follow.**

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#### • Question No. 12

What can we infer from the passage about the initial popularity of football in Brazil?

#### Options :

1. There wasn't any initial popularity.
2. It gained popularity slowly at first.
3. It became popular immediately.
4. It was only played by professional athletes.
- 5.

Answer : It gained popularity slowly at first.

Direction:

**Read the given passage and answer the questions that follow.**

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- Question No. 13

Where did Charles Miller go to school and university?

#### **Options :**

1. In Brazil
2. In England
3. The passage doesn't say



4. In the US

5.

Answer : In England

Direction:

**Read the given passage and answer the questions that follow.**

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- Question No. 14

What is the meaning of the phrase 'jumping on the bandwagon' in the context of the given passage?

**Options :**

1. Suddenly becoming interested in something popular
2. Becoming a football player
3. Writing a critical article
4. Travelling on a train
- 5.

Answer : Suddenly becoming interested in something popular

Direction:

**Read the given passage and answer the questions that follow.**

#### **How football first came to Brazil**

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laughed at the crazy English sport, were jumping on the bandwagon, writing enthusiastically about the popular new game.

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• Question No. 15

What sport did Charles Miller become passionate about during his time in England?

**Options :**

1. Football (soccer)
2. Basketball
3. Rugby
4. Cricket
- 5.

Answer : Football (soccer)

• Question No. 16

What should come in place of the question mark (?) in the given series?

153, 166, 159, 185, 171, ?

**Options :**

1. 194
2. 185
3. 210
4. 214
- 5.

Answer : 210

• Question No. 17

Which of the following options can replace the question mark (?) and complete the given number series?

8, 6, 32, 18, 128, ?

**Options :**

1. 60

2. 45

3. 52

4. 54

5.

Answer : 54

• Question No. 18

A statement is given followed by two conclusions. Find which conclusion is true based on the given statement.

**Statement:**

$A = B \leq C, C > F$

**Conclusions:**

I.  $C = A$

II.  $C > A$

**Options :**

1. Either I or II

2. Only I

3. Only II

4. Neither I nor II

5.

Answer : Either I or II

• Question No. 19

A, B, C, D, E, and F are sitting around a circular table facing the centre. B sits second to the left of C. F sits to the immediate left of B. D sits second to the left of E. Who sits second to the right of A?

**Options :**

1. B
2. F
3. A
4. C
- 5.

Answer : B

- Question No. 20

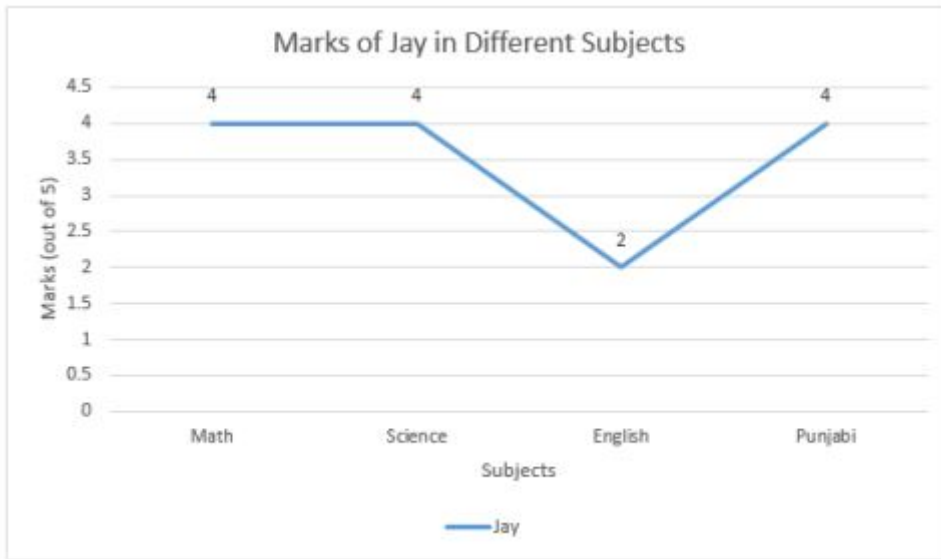
Three of the following four letter-cluster-pairs are alike in a certain way and thus form a group. Select the pair that does NOT belong to that group.

**Options :**

1. MP-NQ
2. EH-FI
3. IL-JN
4. JM-KN
- 5.

Answer : IL-JN

Direction:



- Question No. 21

The line graph above shows marks of Jay in different subjects (Math, Science, English, Punjabi). What is the difference between the marks scored by Jay in Math and Punjabi?

**Options :**

- 1. 0
- 2. 1
- 3. 2
- 4. 3
- 5.

Answer : 0

- Question No. 22

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

MAG, UHM, ?, KVY, SCE

**Options :**

- 1. CPU

2. BOT
3. BPT
4. COS
- 5.

Answer : COS

• Question No. 23

In a family, A's father is the brother and only sibling of B and son of C. K is the wife of the brother of A's father. D is the son of B and E is the sister of D. Y is the sister of K. How is D related to A's father?

Options :

1. Brother's daughter
2. Brother
3. Brother's son
4. Sister
- 5.

Answer : Brother's son

• Question No. 24

A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. B lives on an odd numbered floor but not on floor number 3. Only three people live between B and C. D lives on an odd number floor below B but not on the lowermost floor. C lives immediately below A. E does not live on the topmost floor. How many people live between A and F?

Options :

1. One
2. Two
3. Three
4. Four

5.

Answer : Three

• Question No. 25

Shishir starts from Point Y and drives 15 km towards the North. He then takes a right turn, drives 35 km, turns right and drives 29 km. He then takes a right turn and drives 13 km. He takes a right turn, drives 41 km, turns right, drives 16 km, then turns right and drives 27 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90 degrees turns only unless specified)

**Options :**

1. 43 km towards North
2. 51 km towards East
3. 48 km towards East
4. 38 km towards West
- 5.

Answer : 38 km towards West

• Question No. 26

Refer to the given letter and symbol series and answer the question that follows. (Left) S Q € □ G ¥ F @ X # B Ω K @ T @ M B # S & S A % L I U £ (Right) How many such letters are there (from left to right) that are immediately followed by a letter and also immediately preceded by a symbol?

**Options :**

1. 1
2. 2
3. 3
4. 4
- 5.

Answer : 3

Direction:



A group of numbers and symbols is coded using letter codes as per the codes given below and the conditions that follow. Study the given codes and conditions and answer the question that follows.

(Note: If none of the conditions follow, code using the following table only)

Numbers/ symbols	7	#	8	@	5	1	+	&	2	9	4	%	3	6
Codes	G	N	E	A	B	L	K	R	Z	T	D	C	P	F

Conditions –

(i) If the first element is a symbol and the last a number, the codes for these two (the first and the last elements) are to be interchanged.

(ii) If the second element is an odd number and the last an even number, the second and last elements are to be coded as ©.

(iii) If both the second and third elements are perfect squares, the third element is to be coded as the code for the second element.

• Question No. 27

What will be the code for the following group?

9 3 & @ 8

Options :

1. T©RA©
2. T©AP©
3. TPRAE
4. TPAER
- 5.

Answer : T©RA©

Direction:

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

- Question No. 28

**Statements:**

All bats are wickets.

No bat is a field.

**Conclusions:**

(I) No wicket is a field.

(II) Some fields are bat.

**Options :**

1. Only conclusion II follows.
2. Both conclusion I and II follow.
3. Only conclusion I follows.
4. Neither conclusion I nor II follows.
- 5.

Answer : Neither conclusion I nor II follows.

- Question No. 29

P, Q, R, S, T, U and V are sitting in a straight line, facing north. V is sitting third to the right of R. Q is sitting fourth to the left of V. P and U are immediate neighbours. S is sitting second to the right of U. Exactly two people are sitting between U and T. How many people are sitting between V and T?

**Options :**

1. 1
2. 2
3. 3
4. 4
- 5.

Answer : 1

Direction:

A group of numbers and symbols is coded using letter codes as per the codes given below and the conditions that follow. Study the given codes and conditions and answer the question that follows.

Number/symbol	3	#	4	\$	7	&	6	*	8	^	2	@	9	+
Code	H	A	J	B	K	C	L	D	M	E	N	F	P	G

Conditions:

- (i) If the first element is a symbol and the last, a number, then the codes for these two (the first and the last elements) are to be interchanged.
- (ii) If the first element is an Odd number and the last, an even number, the first and last elements are to be coded as ©.
- (iii) the second and third elements are perfect cubes, the third element is to be coded as the code for the second element.

- Question No. 30

What will be the code for + \*74?

Options :

1. GKDJ
2. GDKJ
3. JKDG
4. JDKG
- 5.

Answer : JDKG

- Question No. 31

What sum (in ₹) will earn a simple interest of ₹960 in 3 years at 4% per year rate of interest?

Options :

1. 4000
2. 8000
3. 16000
4. 115.2
- 5.

Answer : 8000

• Question No. 32

Let A and B be two events associated with a random experiment. Then, which of the following are mutually exclusive events?

- A.  $A \cap B$  and  $A \cup B$
- B.  $A \cap B$  and  $\bar{A} \cap B$
- C.  $A \cup B$  and  $\bar{A}$
- D.  $A \cap B$  and  $A$

Options :

1. A
2. B
3. C
4. D
- 5.

Answer : B

• Question No. 33

Two trains start at the same time, one train travelling from Bengaluru to Chennai and the other travelling from Chennai to Bengaluru, and they proceed towards each other on parallel tracks at 80 km/h and 95 km/h, respectively. When they meet, it is found that one train has travelled 180 km more than the other. What is the distance between Bengaluru and Chennai?

**Options :**

1. 345 km
2. 2100 km
3. 400 km
4. 1200 km
- 5.

Answer : 2100 km

• Question No. 34

A group of people consists of men, women, and children. 20% of them are men, 40% are women and rest are children, and their average weights are 50 kg, 40 kg and 50 kg, respectively. The average weight of the group ( in kg) is:

**Options :**

1. 44
2. 42
3. 41
4. 46
- 5.

Answer : 46

• Question No. 35

If the speed of stream is 3 km/h, a boat takes 9 hours to travel 112 km downstream and 110 km upstream. What is the speed (in km/h) of the boat in still water?

**Options :**

1. 33
2. 25
3. 20

4. 27

5.

Answer : 25

• Question No. 36

A man receives ₹3840 per month as salary. He saves 15% of his salary every month. His expenditure (in ₹) per month is:

**Options :**

1. 3339

2. 3264

3. 3348

4. 3213

5.

Answer : 3264

• Question No. 37

David alone can complete a work in 15 days and Rizwan alone can do the same work in 30 days. David starts the work alone and on every alternate day, Rizwan joins him. In how many days will the work be completed?

**Options :**

1. 12

2. 13

3. 10

4. 14

5.

Answer : 12

• Question No. 38

A number is picked at random from 1 to 150. What is the probability that it is either divisible by 6 or by 15 or by both?

**Options :**

1. 0.35
2. 0.15
3. 0.2
4. 0.1
- 5.

Answer : 0.2

- Question No. 39

A man purchased two varieties of erasers at the rate of ₹3 for 4 erasers and ₹3 per erasers, respectively. If he purchased an equal number of erasers of each variety and then sold all his erasers at ₹3 per erasers, what was his profit percentage?

**Options :**

1. 55%
2. 60%
3. 64%
4. 65%
- 5.

Answer : 60%

- Question No. 40

A sum of ₹400 amounts to ₹441 in 2 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:

**Options :**

1. 5%

- 2. 6%
- 3. 7%
- 4. 9%
- 5.

Answer : 5%

• Question No. 41

If 20% of a number is added to 120, then the result is the same number. 80% of the same number is:

**Options :**

- 1. 240
- 2. 120
- 3. 140
- 4. 180
- 5.

Answer : 120

• Question No. 42

8 : 32 :: 3 : 1 : x and 5 : 10 :: 9 : y. What is the ratio of x to y?

**Options :**

- 1. 31 : 45
- 2. 32 : 43
- 3. 35 : 55
- 4. 29 : 46
- 5.

Answer : 31 : 45

• Question No. 43



A, B, C, and D are four partners in a business. A's investment is two-thirds of D's investment. B and C invest equal amounts and C's investment is half of D's investment. If they earn ₹92.8 lakhs at the end of one year, then find the total share (in lakhs rupee) of A and B put together.

**Options :**

1. 39.6
2. 43.6
3. 40.6
4. 42.6
- 5.

Answer : 40.6

- Question No. 44

The list price of an article is ₹5700 and a discount of 6% is offered on the list price. What additional discount per cent on the already discounted price must be offered to a customer to bring the net selling price to ₹1875.3?

**Options :**

1. 67
2. 65
3. 63
4. 66
- 5.

Answer : 65

- Question No. 45

The average of first 12 multiples of 7 is:

**Options :**

1. 12
2. 45.5

- 3. 7
- 4. 42
- 5.

Answer : 45.5

• Question No. 46

As on 25 May 2024, Russia has been carrying out a military invasion of which country?

**Options :**

- 1. Ukraine
- 2. Kazakhstan
- 3. Georgia
- 4. Belarus
- 5.

Answer : Ukraine

• Question No. 47

An NBFC-MFI has been defined as a non-deposit taking NBFC with minimum net owned fund of \_\_\_\_\_ and \_\_\_\_\_ for NBFC-MFIs registered in the North Eastern Region as on 2023.

**Options :**

- 1. ₹3 crore; ₹2 crore
- 2. ₹5 crore; ₹3 crore
- 3. ₹5 crore; ₹2 crore
- 4. ₹2 crore; ₹1 crore
- 5.

Answer : ₹5 crore; ₹2 crore

• Question No. 48

What is the suborder of Globigerina Ooze at the ocean floor, which is made up of marine plankton?

**Options :**

1. Mastigophora
2. Phytomastigina
3. Foraminafera
4. Amoebida
- 5.

Answer : Foraminafera

- Question No. 49

Who won the National Billiards Title 2021?

**Options :**

1. Dhruva Sitwala
2. Ashok Shandilya
3. Pankaj Advani
4. Geet Sethi
- 5.

Answer : Pankaj Advani

- Question No. 50

In the light of the revealed preference theory, consider the following options and select the right answer from the codes given below.

- a. Rationality
- b. Consistency
- c. Transitivity
- d. Non salination

**Options :**

1. a, b and c are correct
2. a, b, c and d are not correct
3. a and c are correct
4. a and b are correct
- 5.

Answer : a, b and c are correct

• Question No. 51

Which of the following is NOT a feature of the upcoming Paris Olympics 2024?

**Options :**

1. The games will achieve gender equality with the same number of male and female athletes.
2. Breakdancing will be making its debut as an Olympic sport.
3. The mascot is a Phrygian hat named Olympic Phryge.
4. Paris will be the sole host city for all the events.
- 5.

Answer : Breakdancing will be making its debut as an Olympic sport.

• Question No. 52

The \_\_\_\_\_ trade war between EU and US indicates economic imperialism, injustices in the global trade market, and the globalisation of the agricultural economy.

**Options :**

1. steel
2. agricultural
3. commodity
4. banana
- 5.

Answer : banana

• Question No. 53

The type of industries owned and operated by the state and individuals or groups of individuals are referred to as \_\_\_\_\_.

**Options :**

1. Private sector industries
2. Joint sector industries
3. Co-operative sector industries
4. Public sector industries
- 5.

Answer : Joint sector industries

• Question No. 54

\_\_\_\_\_ releases data about estimated poverty in India.

**Options :**

1. The Auditor General
2. The Finance Ministry
3. The Parliament
4. NITI Aayog
- 5.

Answer : NITI Aayog

• Question No. 55

\_\_\_\_\_ refers to relaxation of previous government restrictions in the areas of social and economic policies.

**Options :**

1. Globalisation
2. Dis-investment
3. Liberalisation
4. Privatisation
- 5.

Answer : Liberalisation

• Question No. 56

The reorganisation and amalgamation of the three Presidency Banks in 1921 resulted in a single banking entity. What was the newly formed bank called?

**Options :**

1. Central Bank of India
2. Bank of Hindustan
3. imperial Bank of India
4. Reserve Bank of India
- 5.

Answer : imperial Bank of India

• Question No. 57

The Sundarbans delta is formed by the depositional action of the Ganga, Brahmaputra and which of the following rivers?

**Options :**

1. Saraswati
2. Mahanadi
3. Krishna
4. Meghna
- 5.

Answer : Meghna

• Question No. 58

What is the interest rate announced by the Reserve Bank of India (RBI) for the Government of India Floating Rate Bond 2034 (GOI FRB 2034) for the half-year from April 30, 2024, to October 29, 2024?

**Options :**

1. 8.5%
2. 7.5%
3. 8%
4. 9%
- 5.

Answer : 8%

• Question No. 59

In which year did the Indian cricket team win its first Twenty Twenty (T20) World Cup?

**Options :**

1. 2010
2. 2007
3. 2012
4. 2009
- 5.

Answer : 2007

• Question No. 60

The Ministry of Electronics and Information Technology launched the India Semiconductor Mission in the year \_\_\_\_\_.

**Options :**

1. 2020

2. 2022
3. 2019
4. 2021
- 5.

Answer : 2021

- Question No. 61

Who coined the term Chromosome in the year 1888?

**Options :**

1. Strasburger
2. C Benda
3. Waldeyer
4. Boveri
- 5.

Answer : Waldeyer

- Question No. 62

Which of the following herbicides is categorised as a fumigant?

**Options :**

1. Metam-sodium
2. Nitratin
3. 2,4-D Ethyl Ester
4. Fluchloralin
- 5.

Answer : Metam-sodium

- Question No. 63



Which of the following is an important steroid present in fenugreek?

**Options :**

1. Saponin
2. Diosgenin
3. Sinigrin
4. Solanine
- 5.

Answer : Saponin

- Question No. 64

What is the dose for the foliar spray of zinc sulphate in rice?

**Options :**

1. 0.05%
2. 2%
3. 0.5%
4. 5%
- 5.

Answer : 0.5%

- Question No. 65

Dead heart symptom in sorghum is because of:

**Options :**

1. Leptocorisa varicornis
2. Hieroglyphus banian
3. Pachydiplosis oryze
4. Chilo zonellus
- 5.

Answer : Chilo zonellus

- Question No. 66

Cold spark plug, which dissipates heat more effectively, is used in which of the following?

**Options :**

1. Low performance applications
2. IC engine
3. Small engine
4. Heavy engine
- 5.

Answer : Heavy engine

- Question No. 67

Calculate the theoretical field capacity of the tractor that travels 6 km/hr and has an operating width of 20 m.

**Options :**

1. 14 ha/hr
2. 10 ha/hr
3. 16 ha/hr
4. 12 ha/hr
- 5.

Answer : 12 ha/hr

- Question No. 68

What is the nitrogen requirement of sugarbeet?

**Options :**

1. 10-20 kg/ha

2. 120-150 kg/ha
3. 160-180 kg/ha
4. 20-40 kg/ha
- 5.

Answer : 120-150 kg/ha

- Question No. 69

Crop weed competition is more in case of:

**Options :**

1. direct seeded rice
2. crop down in rows
3. flooded rice
4. transplanted rice
- 5.

Answer : direct seeded rice

- Question No. 70

Who was the first chairman of the National Commission on Farmers?

**Options :**

1. Verghese Kurien
2. MS Swaminathan
3. Sam Pitroda
4. Durgesh Patel
- 5.

Answer : MS Swaminathan

- Question No. 71

Which of the following herbicides is NON-SELECTIVE?

**Options :**

1. Fluchloralin
2. Atarzine
3. Diquat
4. Butachlor
- 5.

Answer : Diquat

- Question No. 72

The process of allocation of scare resources of the farm to organise the farm production is known as:

**Options :**

1. farm budgeting
2. farm management
3. farm planning
4. farming system
- 5.

Answer : farm management

- Question No. 73

Which of the following nutrients plays an important role in root development?

**Options :**

1. Boron
2. Potassium
3. Nitrogen
4. Phosphorus
- 5.

Answer : Phosphorus

- Question No. 74

When crop production is combined with livestock raising or dairying, it is called:

**Options :**

1. specialised farming
2. mixed farming
3. ranching
4. marginal farming
- 5.

Answer : mixed farming

- Question No. 75

Which model is used for wind erosion estimation?

**Options :**

1. RKLS
2. IKCLV
3. IKL
4. RKLSCP
- 5.

Answer : IKCLV

- Question No. 76

What is the thermal efficiency for diesel engine?

**Options :**

1. 32-38%

2. 12-24%
3. 40-50%
4. 25-32%
- 5.

Answer : 32-38%

• Question No. 77

A DNA specific to plants and algae is \_\_\_\_\_.

**Options :**

1. cytoplasmic DNA
2. mitochondrial DNA
3. heterocystic DNA
4. plastid DNA
- 5.

Answer : plastid DNA

• Question No. 78

In which year was the Penicillin Antibiotic discovered?

**Options :**

1. 1921
2. 1934
3. 1937
4. 1928
- 5.

Answer : 1928

• Question No. 79

What does the law of demand state in agricultural economics?

**Options :**

1. As price increases, quantity demanded increases
2. As price increases, quantity demanded decreases
3. Demand increases when supply increases
4. Supply increases when demand increases
- 5.

Answer : As price increases, quantity demanded decreases

- Question No. 80

Which was the first successful antifungal antibiotic to be developed, and it is still in general use?

**Options :**

1. Neomycin
2. Aureofungin
3. Nystatin
4. Cycloheximide
- 5.

Answer : Nystatin

- Question No. 81

The conversion of messages carried by mRNA into amino acid sequences is known as:

**Options :**

1. transcription
2. translation
3. replication
4. DNA repair
- 5.

Answer : translation

• Question No. 82

Which of the following cotton species produces the longest staple?

**Options :**

1. Gossypium hirsutum
2. Gossypium herbaceum
3. Gossypium arboreum
4. Gossypium barbadense
- 5.

Answer : Gossypium barbadense

• Question No. 83

Flooding of the fields will help in the control of which of the following?

**Options :**

1. Insects
2. White grubs, termites and cutworms
3. Birds
4. Animals
- 5.

Answer : White grubs, termites and cutworms

• Question No. 84

Which of the following statements is NOT true with regard to system of rice intensification (SRI)?

- i. It follows the principle of careful planting of single seedlings rather than in clumps.
- ii. It follows alternate wetting and dry method rather than continuous flooding in the field.



iii. Young seedlings between 20-25 days old are transplanted.

iv. It follows wider spacing at 25 cm × 25 cm in square planting rather than in rows.

**Options :**

1. ii
2. iii
3. i
4. iv
- 5.

Answer : iii

• Question No. 85

Which of the following statements is true for Hooke's law?

**Options :**

1. Stress is directly proportional to the strain.
2. Stress is square root of strain.
3. Stress is not related to strain.
4. Stress is inversely proportional to the strain.
- 5.

Answer : Stress is directly proportional to the strain.

• Question No. 86

Ricinine, a toxic alkaloid, which can serve as a biomarker of ricin poisoning, is generally found in which of the following plants?

**Options :**

1. Niger
2. Sesame

3. Safflower
4. Castor
- 5.

Answer : Castor

• Question No. 87

Which of the following cell organelles are concerned with glyoxylate metabolism?

**Options :**

1. Ribosomes
2. Glyoxysomes
3. Lysosomes
4. Spherosomes
- 5.

Answer : Glyoxysomes

• Question No. 88

The dry weights of Phalaris minor in control and treated plot are  $600 \text{ g/m}^2$  and  $300 \text{ g/m}^2$ , respectively. What will be the weed control efficiency?

**Options :**

1. 45%
2. 75%
3. 50%
4. 65%
- 5.

Answer : 50%

• Question No. 89

The pink bollworm is a serious pest of which of the following?

**Options :**

1. Gram
2. Cotton
3. Lady's finger
4. Mustard
- 5.

Answer : Cotton

- Question No. 90

The term 'mixed farming' refers to:

**Options :**

1. growing of cash crops and food grains together
2. growing of fruits and vegetables mixed
3. growing of crops together by mixing the seeds
4. crop production combined with dairy farming at farms
- 5.

Answer : crop production combined with dairy farming at farms

- Question No. 91

Which of the following is a contact herbicide?

**Options :**

1. Oxyfluorfen
2. Simazine
3. 2,4-D
4. Propanil
- 5.

Answer : Propanil

- Question No. 92

Which of the following is INCORRECT?

**Options :**

1. Penicillium : Cause molds on fruits
2. Fusarium : Wilt fungus
3. Aspergillus : Bread mould of fungus
4. Odium : Anthracnose
- 5.

Answer : Aspergillus : Bread mould of fungus

- Question No. 93

Marsh spot in peas and beans is caused due to the deficiency of \_\_\_\_\_.

**Options :**

1. copper
2. iron
3. zinc
4. manganese
- 5.

Answer : manganese

- Question No. 94

In which of the following years was the Paramparagat Krishi Vikas Yojana (PKVY) launched to support and promote organic farming?

**Options :**

1. 2015
2. 2018
3. 2014
4. 2019
- 5.

Answer : 2015

• Question No. 95

Which of the following is the most effective insecticide for termite control?

**Options :**

1. Methyl demeton
2. Malathion
3. Phosphomidon
4. Chlorpyrphos
- 5.

Answer : Chlorpyrphos

• Question No. 96

Glycolysis occurs in the \_\_\_\_\_, where one 6-carbon molecule of glucose is oxidised to generate two 3-carbon molecules of pyruvate.

**Options :**

1. mitochondria
2. ribosome
3. cytoplasm
4. chloroplast
- 5.

Answer : cytoplasm

- Question No. 97

Crop rotation comes under which method of pest control?

**Options :**

1. Mechanical method
2. Cultural method
3. Biological method
4. Physical method
- 5.

Answer : Cultural method

- Question No. 98

The sum of fixed and variable costs in the production of a particular commodity is called:

**Options :**

1. average fixed cost
2. average total cost
3. total cost
4. marginal cost
- 5.

Answer : total cost

- Question No. 99

The system of growing same crop on same land year after year is known as:

**Options :**

1. relay cropping
2. parallel cropping
3. multilevel cropping

4. monoculture

5.

Answer : monoculture

• Question No. 100

What is the working life of a tractor drawn cultivator?

**Options :**

1. 7,500 hours

2. 5,000 hours

3. 10,000 hours

4. 2,500 hours

5.

Answer : 2,500 hours

• Question No. 101

Common smut of maize is caused by:

**Options :**

1. Ustilago maydis

2. Ustilago hordei

3. Ustilago virens

4. Ustilago tritici

5.

Answer : Ustilago maydis

• Question No. 102

Which of the following is a free-living nitrogen fixing bacteria?

**Options :**

1. Rhizophagus irregularis
2. Sclerocystis coremioides
3. Klebsiella variicola
4. Glomus sinuosum
- 5.

Answer : Klebsiella variicola

• Question No. 103

The first commercial interspecific cotton hybrid of the world, Varalaxmi, was released by the noted breeder Dr. Katarki from which of the following locations?

**Options :**

1. IARI Delhi
2. UAS Dharwad
3. GAU Surat
4. CICR Nagpur
- 5.

Answer : UAS Dharwad

• Question No. 104

In siphoning type of mouth parts, proboscis is composed of:

**Options :**

1. labial palp
2. mentum
3. lacinia
4. gاليا
- 5.



Answer : galia

- Question No. 105

Which crop is known as Wonder Crop / Miracle Crop?

**Options :**

1. Mustard
2. Soybean
3. Niger
4. Groundnut
- 5.

Answer : Soybean

- Question No. 106

The clutch in the tractors is designed on the basis of which of the following factors?

**Options :**

1. Road
2. Constant torque
3. Constant pressure
4. Constant power
- 5.

Answer : Constant pressure

- Question No. 107

\_\_\_\_\_ is the gamma-ray induced mutant of the multibracted bougainvillea cultivar.

**Options :**

1. Pusa Variegata

2. Tara Variegata
3. Shobha Variegata
4. Mahara Variegata
- 5.

Answer : Mahara Variegata

- Question No. 108

The paddy huller-type cum-recirculating (PHTC) dryer of 2 tonnes holding capacity was developed at which institute in India?

Options :

1. IIT Khadagpur
2. IIT Roorkee
3. IIT Bombay
4. IIT Kanpur
- 5.

Answer : IIT Khadagpur

- Question No. 109

\_\_\_\_\_ is the type of farming where there is just sufficient food produced to provide for the farmer's own family.

Options :

1. Pastoral
2. Arable
3. Subsistence
4. Intensive
- 5.

Answer : Subsistence

- Question No. 110

The increase in the input, irrigation, manpower, fertiliser and capital to the farm is known as:

**Options :**

1. sustainable farming
2. farm intensification
3. farm mechanisation
4. farm management
- 5.

Answer : farm intensification

- Question No. 111

Which of the following crop species follows the Hatch–Slack pathway?

**Options :**

1. Oryza sativa
2. Glycine max
3. Manihot esculenta
4. Pennisetum glaucum
- 5.

Answer : Pennisetum glaucum

- Question No. 112

In which of the following Indian cities is the Central Institute for Cotton Research located?

**Options :**

1. Nagpur
2. Pune
3. Barrackpore

4. Mumbai

5.

Answer : Nagpur

- Question No. 113

A land scraper is a piece of heavy equipment typically used for which of the following?

**Options :**

1. Soil movement
2. Reclamation
3. Lifting heavy objects
4. Cultivation
- 5.

Answer : Soil movement

- Question No. 114

According to IFOAM Year Book, 2024, India ranks \_\_\_\_\_ in terms of World's Organic Agricultural land.

**Options :**

1. 3rd
2. 1st
3. 4th
4. 2nd
- 5.

Answer : 2nd

- Question No. 115

Plants which grow at full light intensity are known as:

**Options :**

1. Chasmophytes
2. Heliophytes
3. Oxylophytes
4. Sciophytes
- 5.

Answer : Heliophytes

• Question No. 116

Crinkle leaf of cotton is a disease of the cotton crop which is caused due to which of the following?

**Options :**

1. Zn deficiency
2. Zn toxicity
3. Mn toxicity
4. Mn deficiency
- 5.

Answer : Mn toxicity

• Question No. 117

The Sustainability Yield Index (SYI):

**Options :**

1. lies between  $-1$  and  $+1$
2. is more than 1
3. lies between 0 and 1
4. is less than 1
- 5.

Answer : lies between 0 and 1

- Question No. 118

Who developed porous porcelain candle in the year 1884 to eliminate microbes from water?

**Options :**

1. Sergei Winogradsky
2. Louis Pasteur
3. Martinus Beijerinck
4. Charles Chamberland
- 5.

Answer : Charles Chamberland

- Question No. 119

A market structure where there is a single dominant buyer that has significant market power, often leading to the ability to dictate terms to suppliers, including the prices they are willing to pay is known as which kind of market?

**Options :**

1. Monopoly market
2. Monopolistic market
3. Pure market
4. Monopsony market
- 5.

Answer : Monopsony market

- Question No. 120

Which of the following is the main combustile constituent of biogas?

**Options :**

1. H<sub>2</sub>
2. N<sub>2</sub>

3. CH□

4. CO□

5.

Answer : CH□

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