

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.

1. The village (1)/ in the valley (2)/ was know for (3)/ its kind and close-knit community. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.

2. Lest we never forget the (1)/ men and women who (2)/died for our country, we (3)/ should always honor our veterans. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

3. An optimal agri-food policy (1) should look at issues pertinent (2)/ to not only the short run (3)/ also try to address medium to long-term challenges. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

Direction: Read the sentence to find out whether there is an error in it. The

error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.

4. The only time you realize (1)/ you have way too many (2)/ belonging, furniture, and clothes (3)/ is when you're moving out. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

Direction: Read the given passage carefully and answer the questions that follow. Certain words are printed in bold to help you locate them while answering some of the these.

For decades, retirees looked to places such as Florida for the climate and leisure activities. But now many retirees are searching for something extra -- a place where they can make connections and a difference. To them, a small town seems like the idyllic retirement setting after years of hustling and bustling in the cities and suburbs.

Many small towns are not waiting for retirees to discover them. Communities are actively seeking out retirees as a way to boost economic development. Ellsworth is one of ten tiny communities in Kansas offering free land to retirees and families who want to relocate.

If you treasure your anonymity, you may not want to live in a place where everyone really knows your name, as well as your business, says Frank Levering, who moved with his wife, Wanda Urbanska, from Los Angeles to rural Virginia. In a small town, people may notice a new awning on your house or whether you left 15 minutes

early that day, or whether your cat was wandering down the street.

"If you ever wanted to be useful or needed, a small town is the place for you," says Levering. "There is often a bit of social pressure to become involved, and if you are not, you tend to feel what people are thinking about you."

It's difficult to stereotype small-town living. Sure, you can move into a cabin in the woods and fish all day. But you can also find many activity-packed places. In 2003, Charlene and Terry Ott left Fort Lauderdale, for Oxford, and are leading busy lives. They lived in Florida for 25 years, while Terry was a sales manager for an airline. But they felt that even a retirement mecca like Fort Lauderdale was getting too crowded. They discovered Oxford when they took a side trip from a gambling jaunt to Tunica, about 30 miles away.

Oxford is one of 21 small towns in Mississippi that are designated as "certified retirement communities" by the state's Hometown Mississippi Retirement program. A certified community must meet criteria that are important to retirees, such as quality medical facilities and an affordable cost of living.

As appealing as small-town life may seem, city slickers should recognize that housing choices may be limited. The Carlsens of Walla Walla had a tough time finding **(A)**, so they bought land and had a house built. There are few flights from Walla Walla -- convenient transportation is a consideration if you want to visit family or friends. If you have a medical condition, make sure you have easy access to specialists. But smaller places are building bigger hospitals, as doctors, too, escape big cities for the simpler life.

Rand's Morrison, 67, advocates spending a few weeks a year in a place before deciding to settle there. He says: "Think about what you are going to do on Monday, on Tuesday and on Wednesday -- other than play golf." He knows from personal experience, having moved from Los Angeles to Nantucket, Mass.

Source:

<https://www.kiplinger.com/article/retirement/t006-c000-s001-retire-to-the-simpler-life-in-a-small-town.html>

5.

Why did the Otts leave Fort Lauderdale?

- I. Increase in local population.
- II. Increase in gambling joints.
- III. Diminishing fishing industry.

- A. Only I
- B. Only III
- C. Both II & III
- D. Both I & II
- E. All are correct

6. According to the passage, which of the following is NOT a feature of "certified retirement communities"?

- A. Population of town.
- B. Availability of medical facilities.
- C. Access to coastal areas.
- D. Convenience of travel.
- E. None of the above

7. Which of the following statement (s) is/are NOT TRUE in accordance with the information provided in the passage?

- I. Retirees become a burden on the communities.
 - II. Fort Lauderdale is a highly religious town.
 - III. Most people in small towns do not live an idle life.
- A. Only I
 - B. Only III
 - C. Both II & III

- D. Both I & II
- E. All are correct

8. Which of the following statements can follow paragraph 2 to form a connection with paragraph 3?

- A. Arizona has always been a popular retirement destination because of its weather and low cost of living, Haines says.
- B. The amenities are open to everyone in the community.
- C. The golf courses, which are managed by Troon Golf, are a big draw for many residents.
- D. The couple also enjoy wine tastings with the wine club and dinners with food and wine pairings.
- E. But before you pull up stakes for the village square or the boondocks, you need to do some hard thinking.

9. Given below is a possible inference that can be drawn from the facts stated in the fifth paragraph. You have to examine the inference in the context of the passage and decide upon its degree of truth or falsity.

"Communities are hostile against those who do not partake in it."

- A. Definitely true
- B. Probably true
- C. The data are inadequate
- D. Probably false
- E. Definitely false

10. What experience does Rand Morrison refer to in the sentence, "He knows from personal experience, having moved from Los Angeles to Nantucket, Mass"?

- A. Playing golf.
- B. Living in a small town.
- C. As a legal advisor.
- D. Commuting to work.
- E. Moving away from Los Angeles.

11. Which of the given options can be used to complete the blank labelled (A) in the most appropriate way, contextually and grammatically?

- A. a suitable home
- B. an isolated cabin.
- C. an undisturbed vegetation.
- D. an underground villa.
- E. a nature's retreat.

12. Which of the following is/are correctly inferred from the given passage?

- I. Doctors escape big cities to avoid demanding patients.
 - II. People tend to be nose-y in rural areas.
 - III. Golf and fishing are quite common among retirees.
- A. Only I
 - B. Only III
 - C. Both II & III
 - D. Both I & II
 - E. All are correct

Direction: Which of the following phrases (i), (ii), and (iii) given below each sentence should replace the phrase printed in bold letters to make the sentence grammatically correct? Choose the best option among the five given alternatives that reflect the correct use of phrase in the context of the grammatically correct sentence. If the sentence is correct as it is, mark (E) i.e., "No correction required" as the answer.

13. The college authorities did not allow Miss Sullivan to read the examination papers to me; so Mr. Eugene C. Vining, one of the instructors at the Perkins Institution for the Blind, **were employed to copy the papers for myself** in American braille.

i. was employed to copy the papers for myself

- ii. was employed to copy the papers for me
- iii. were employed to copy the papers for me
- A. Only iii
- B. Only ii
- C. Both ii and iii
- D. All i, ii, and iii
- E. No correction required

14. The city of Leon, **found by Francisco Hernandez de Cordova on 1523**, was originally situated at the head of the western bay of Lake Managua, and was not removed to its present position till 1610.

- i. found by Francisco Hernandez de Cordova in 1523
- ii. founded by Francisco Hernandez de Cordova on 1523
- iii. founded by Francisco Hernandez de Cordova in 1523
- A. All i, ii, and iii
- B. Only i
- C. Only iii
- D. Both i and ii
- E. No correction required

15. Its nauseous bitter taste may to some extent be concealed by acidifying the solution with dilute sulphuric acid, and in some cases where full doses have failed, **the repeated administration of small ones have proved effectually.**

- i. the repeated administration of small ones has proved effectual
- ii. the repeated administration of small ones has proved effectually
- iii. the repeated administration of small ones have proven effectual
- A. Both i and ii
- B. All i, ii, and iii
- C. Only i
- D. Only iii
- E. No correction required

16.

Muller brought out, at Nuremberg, a German translation of the *Systema Naturae*, completing it in 1776 by a Supplement containing a list of animals thus described, **which had hitherto been technically anonymously**, with diagnoses and names on the Linnaean model.

- i. that had hitherto been technically anonymously
- ii. which had hitherto been technically anonymous
- iii. which had been technically anonymous until now
- A. Only ii
- B. Both ii and iii
- C. Only iii
- D. All i, ii, and iii
- E. No correction required

Direction: Which of the following phrases (i), (ii), and (iii) given below each sentence should replace the phrase printed in bold letters to make the sentence grammatically correct? Choose the best option among the five given alternatives that reflect the correct use of phrase in the context of the grammatically correct sentence. If the sentence is correct as it is, mark (E) i.e., "No correction required" as the answer.

17. **A group of passer-by**, including an off-duty fire official, came to the aid of a 4-year-old boy and saved him from drowning.

- I. The group of passer-by
- II. A group of passersby
- III. A group with passerby
- A. Only I
- B. Only II
- C. Only III
- D. Both II and III
- E. Both I and II

Direction: In the given question, a statement with a blank has been given, followed by three words out of

which more than one can complete the sentence grammatically and contextually. Find the word (s) which can fill the blank and choose the option accordingly.

18. Locals and visitors love to _____ along the beautiful coastline.

I) Meander

II) Stroll

III) Roam

A. Only II

B. Both I and II

C. Both II and III

D. All I, II, and III

E. None of the above

19. The first step in managing that diversity was being able to _____ key differences.

I) Discern

II) Putrefy

III) Enjoin

A. Only II

B. Only I

C. Only III

D. Both I and II

E. Both I and III

20. Not allowing her to speak in her own defence was a _____ of justice.

I) Exult

II) Travesty

III) Derision

A. Only I

B. Both I and II

C. Only II

D. Only III

E. All I, II, and III

21. His criticisms were always captious and _____, never offering constructive suggestions.

I) Frivolous

II) Thoughtless

III) Flippant

A. Only I

B. Only II

C. Only III

D. All I, II, and III

E. Both I and II

22. It was one of those _____ events that caused a sea change in public attitudes.

I) Fictitious

II) Momentous

III) Significant

A. Both II and III

B. All I, II, and III

C. Both I and II

D. Only III

E. Only II

Direction: Read the given passage carefully and answer the questions that follow. Certain words are printed in bold to help you locate them while answering some of the these.

The most senior engineer/accountant/practitioner in the department is retiring today. Co-workers wish her well, buy her lunch, sign her humorous greeting card... and jot down her phone number for the moments in the near future they will need her help. They hope she'll answer when they call because if she doesn't, they'll be **sunk**. Such anxious departures happen 10,000 times a day, according to the Pew Research Centre.

A recent study from the University of North Carolina at Chapel Hill reveals that less than 40 percent of employers have taken action to address the imminent loss of detailed know-how. Adding even well-trained millennials to the workforce may not be enough to restore the balance when your company is **haemorrhaging its veteran employees**.

We're not talking the stuff of dust-collecting procedure manuals.

Dorothy Leonard, a professor of business administration at Harvard Business School, says there is a big difference between information and knowledge. Information is something you can get from Google. Knowledge is the critically-important stuff in your head that has never been written down. And companies often fail to retain it.

It is critical that longtime workers transfer the knowledge they've gained from decades of experience to employees who will be taking on their responsibilities. Leonard calls it "tacit knowledge." Unlike a checklist or a binder full of procedures or reports, this knowledge is hard to identify and even harder to pass on.

Duke, the nation's largest regulated utility, has launched multiple initiatives to help transfer what seasoned workers *just know* to what younger workers *must know*. For instance, the company developed a board game called Megawatt Fever to help young engineers better understand an energy industry that has not seen a new nuclear facility come on line in nearly 20 years but where experience in maintenance is critical.

Melissa Moran, the nuclear group's manager of strategic workforce planning, asked nuclear managers to develop and submit knowledge-transfer plans for team members nearing retirement. Plan tactics include shooting videos to walk/talk newer hires through complex procedures. Of course, this video archive has the added value of being useful in training future employees.

Businesses can start by analysing their workforce to understand the scope of the problem, and then implement programs to capture and pass on the tacit knowledge that is

critical to their future success, and that of their younger employees.

Source:

<https://www.bizjournals.com/bizjournals/how-to/human-resources/2017/01/how-companies-survive-the-baby-boomer-brain-drain.html>

23.

What is described by Dorothy Leonard as "tacit knowledge"?

- A. Knowledge held by longtime workers.
- B. Both A & C
- C. Experience held by longtime workers.
- D. Procedures known only to longtime workers.
- E. Experience that can't be passed down to new employees.

24. Which of the following correctly describes the tone of the passage?

- A. Lighthearted
- B. Mournful
- C. Nostalgic
- D. Apprehensive
- E. Descriptive

25. Given below is a possible inference that can be drawn from the facts stated in the fifth paragraph. You have to examine the inference in the context of the passage and decide upon its degree of truth or falsity.

"There is no fixed strategy dedicated to the transfer of knowledge and experience from older workers to new ones."

- A. Definitely true
- B. Probably true
- C. The data are inadequate
- D. Probably false
- E. Definitely false

26. What does the phrase "haemorrhaging its veteran

employees”, as used in paragraph 2, refer to?

- A. Not providing them with proper healthcare post retirement.
- B. Pressuring them into coming back to work.
- C. Severing all ties with them after they retire.
- D. Laying off their oldest employees.
- E. Retiring of their most experienced employees.

27. Which of the following is the MOST SIMILAR in meaning to the given word as used in the passage?

SUNK

- A. Submerge
- B. Subside
- C. Slump
- D. Succumb
- E. Sag

28. According to the passage, which of the following statements is true about “knowledge”, but NOT “information”, with reference to the given passage?

- A. Cannot be stored by physical means.
- B. Accessible to all.
- C. Comes only with field experience.
- D. Cannot be shared with anyone.
- E. Not taught in colleges.

29. Which of the following statements can follow paragraph 6 to form a connection with paragraph 7?

- A. Most businesses have had this experience, and it’s a perfect, small-scale example of what happens when knowledge transfer goes by the wayside.
- B. Now they’re poised to reshape retirement and take everything they know with them when they walk out the door.
- C. Longevity and new cultural norms have caused many retirement-age

employees to want and/or need to keep working.

- D. Alternatives might include job-sharing, part-time schedules, flex time, telecommuting, phased retirement, and opportunities for consulting.
- E. In the end, businesses must be prepared for this mega-generation to retire after decades of experience.

Direction: In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement.

30.

- A) in California in the United States
- B) of the Australian wildfires have dwarfed
- C) the catastrophe caused by the fires in
- D) the extent of damages and the intensity
- E) Brazilian Amazon forests and

- A. DBCEA
- B. BCAED
- C. EDCBA
- D. ABCDE
- E. ABDEC

31.

- A) a fever along with
- B) people with the virus report
- C) such as a cough or
- D) other symptoms of lower-respiratory infection
- E) breathing difficulties

- A. DBCEA
- B. BADCE
- C. EDCBA
- D. ABCDE
- E. ABDEC

32.

- A) these global warming-induced intense fires have also

- B) triggered a vicious cycle,
 C) wherein the Australian forests may require decades to regenerate
 D) their cover and absorb back the carbon dioxide released,
 E) which, meanwhile, will keep affecting the increase in temperatures
- A. DBCEA
 B. BADCE
 C. EDCBA
 D. ABCDE
 E. ABDEC

33.

- A) virus traces in swabs
 B) the virus's original source must be confirmed —
 C) something that is proving difficult but
 D) researchers have found
 E) taken from the animal market
- A. BCDAE
 B. BADCE
 C. EDCBA
 D. ABCDE
 E. ABDEC

34.

- A) reportedly, the Intergovernmental Panel on Climate Change
 B) has warned repeatedly about the
 C) in its assessment reports, 2007 onwards
 D) increased frequency of forest fires
 E) due to climate change,
- A. BCDAE
 B. BADCE
 C. EDCBA
 D. ABCDE
 E. ABDEC

35.

- A) what more they are uncovering
 B) to report what they know and
 C) now, they must continue
 D) to act more quickly than in the past,
 E) China's health authorities did well

- A. BCDAE
 B. BADCE
 C. EDCBA
 D. ABCDE
 E. ABDEC

Direction: In the given question, five words are printed in bold and are numbered A, B, C, D and E . The positions of some highlighted words may be incorrect and need to be exchanged with another highlighted to make the sentence correct. Find the words that need to be exchanged.

36. India's **federal** (A) power structure was greatly **strengthened** (B) in the 1990s as a **result** (C) of a **realities** (D) accommodation of new political **grudging** (E).

- A. A - D & B - E
 B. A - D
 C. B - C
 D. No exchange required
 E. D - E

37.

It is increasingly **apparent** (A) that various state and local **authorities** (B) will soon have no **other** (C) choice except to shut down activities to **cope** (D) with this frightening **surge** of cases (E).

- A. A-C
 B. C-D & B-C
 C. C-E
 D. A-B & C-E
 E. No exchange required

38. With Iran **sanctions** (A) that the USA should remove **insisting** (B) first and Washington asking Iran to take the first step by **restarting** (C) its compliance with the **remains** (D), the divide between the two sides **pact** (E) huge.

- A. B - D
 B. C - D
 C. A- B & D - E

- D. No exchange required
E. A – E & B – C

39. The **vacuum** (A) that is being created with the **departure** (B) of the US's military machine must be filled with **stability** (C) that are not **inimical** (D) to the peace, prosperity and **forces** (E) of Afghanistan and its neighbours.

- A. No exchange required
B. C – E
C. A – C
D. C – D & B – C
E. A – B & D – E

40. Jonathan is **mindful** (A) that Shashi Tharoor has **accused** (B) the British of **loot** (C) the railways to **facilitate** (D) getting **building** (E) out of India.

- A. No exchange required
B. C – E
C. A – C
D. C – D & B – C
E. A – B & D – E

41. A started a business with a certain amount. After 4 months, B replaces A. The ratio of their investment is 7 : 3. If the total profit after one year is Rs. 143000, then find the difference between the profit of A and B.

- A. Rs. 12500
B. Rs. 11000
C. Rs. 13000
D. Rs. 14500
E. None of these

42. Waqar sold a watch after giving a discount of 13% on the marked price and gained 30.5% profit. If he had sold it at 30% discount on marked price then find the gain or loss percentage of the watch.

- A. 3% loss
B. 4% gain
C. 6% loss

- D. 5% gain
E. None of these

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

43.

1, 3, 9, 31, ?, 651

- A. 129
B. 132
C. 121
D. 119
E. 108

44. 8, ?, 45, 110, 236, 453

- A. 18
B. 20
C. 17
D. 24
E. None of these

45. 28, 29, 27, 33, 9, ?

- A. 129
B. 132
C. 124
D. 115
E. 144

46. Ratio of age of A and B is 4 : 5. Eight years hence, age of A will be equal to sum of B's age 8 years ago and C's age 8 years ago. If average of present ages of B and C is 30, find the present age of C.

- A. 24 years
B. 15 years
C. 12 years
D. 20 years
E. None of these

47. There are two right circular cylinders C_1 and C_2 . The ratio of the volumes of C_1 and C_2 is 4 : 1, and the heights of C_1 and C_2 are equal. If the difference between the radius of C_1 and C_2 is 7 cm, then find the radius of C_2 .

- A. 10 cm

- B. 5 cm
- C. 7 cm
- D. 10.5 cm
- E. None of these

Direction: Study the following information carefully and answer the questions that follow:

The table given below shows the data regarding the number of people (male + female) that registered for a seminar and the percentage of people (male + female) that attended the seminar out of those registered on four different days. (Monday, Tuesday, Wednesday, Thursday) The ratio of the males to females registered for seminar is also given.

Day	Total people registered for seminar (male + female)	Male : Female registered	Percentage of people who attended the seminar (male + female)
Monday	875	4 : 3	80%
Tuesday	1250	12 : 13	70%
Wednesday	1100	7 : 4	50%
Thursday	1500	3 : 2	60%

48.

If total number of people (male + female) that registered on Friday is 20% more than the total number of people (male + female) registered on Monday and there were 40% females among whom registered on Friday then find the number of males who registered on Friday.

- A. 720
- B. 690
- C. 630
- D. 750
- E. 600

49. Find the difference between the total number of people (male + female) that registered for the seminar on Tuesday and Wednesday and total number of people (male + female) that attended the seminar on Monday and Thursday.

- A. 750
- B. 690
- C. 800

- D. 840
- E. 720

50. If on Wednesday, the ratio of number of males and females who attended the seminar was 4 : 1, then the number of females who registered for the seminar but did not attend the seminar.

- A. 200
- B. 260
- C. 320
- D. 290
- E. 350

51. The number of females registered for seminar on Thursday is what percentage more than the number of males registered for seminar on Monday.

- A. 18%
- B. 25%
- C. 20%
- D. 30%
- E. None of these

52. What is the ratio of the number of people that attended the seminar on Tuesday and number of people that attended the seminar on Wednesday?

- A. 25 : 23
- B. 35 : 22
- C. 30 : 23
- D. 28 : 25
- E. None of these

53. On Thursday, if 40% of females who registered for seminar also attended it, then find the number of males who attended seminar.

- A. 660
- B. 720
- C. 690
- D. 750
- E. 600

54. Monthly income of Waseem is 130% of Shabana. Savings of

Waseem and Shabana are equal and they spend the remaining. Shabana saves Rs. 12000 per month which is 20% of her monthly salary. How much does Waseem spend in a month?

- A. Rs. 70000
- B. Rs. 56000
- C. Rs. 64000
- D. Rs. 66000
- E. None of these

55. A vessel contains 240 litres of mixture of milk and water in which the quantity of milk is 200 litres. If 40 litres of water is added to vessel and 35 litres of mixture is taken out, then the quantity of milk in mixture is approximately what percent of total quantity of mixture?

- A. 61%
- B. 75%
- C. 65%
- D. 71%
- E. 80%

56. Two pipes A and B can fill a tank in 16 hours and 20 hours. If the tank

$\frac{1}{4}$ is already full and pipe A is opened for 6 hours and then closed, then in how much time can pipe B fill the remaining part of the tank alone?

- A. 7.5 hours
- B. 9 hours
- C. 7.2 hours
- D. 8 hours
- E. None of these

57. The interest earned on a sum of money is 37.5% of the amount earned on the same sum of money when invested for 4 years in a scheme offering simple interest at R% per annum, find the value of R.

- A. 12
- B. 15
- C. 8

- D. 10
- E. None of these

Direction: In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.

58.

I. $x^2 - 5x - 84 = 0$

II. $y^2 - 9y - 52 = 0$

- A. $x > y$
- B. $x \leq y$
- C. $x < y$
- D. $x \geq y$
- E. $x = y$ or relationship between x and y can't be established

59.

I. $x^2 + 7x + 12 = 0$

II. $y^2 + 5y + 6 = 0$

- A. $x > y$
- B. $x \leq y$
- C. $x < y$
- D. $x \geq y$
- E. $x = y$ or relationship between x and y can't be established

60.

I. $3x^2 + 8x + 4 = 0$

II. $6y^2 + 7y + 2 = 0$

- A. $x > y$
- B. $x \leq y$
- C. $x < y$
- D. $x \geq y$
- E. $x = y$ or relationship between x and y can't be established

Direction: Study the following information carefully and answer the given questions.

Eight people P, Q, R, S, T, U, V, and W live on eight different floors of the building but not necessarily in the same order. Each person lives in a building with floors numbered as 1 to 8 from bottom to top.

U lives on an odd-numbered floor above the fourth floor. Only three people live between U and W. Number of people live above W is same as the number of people live below P. Three people live between P and R. V lives on an odd-numbered floor immediately above Q. Only two people live between V and S. T lives on the lowermost floor.

61.

Who lives immediately below U?

- A. R
- B. U
- C. Q
- D. P
- E. W

62. Q lives on the _____ floor.

- A. 4th
- B. 6th
- C. 2nd
- D. 1st
- E. None of the above

63. Who lives on the 3rd floor?

- A. P
- B. Q
- C. R
- D. T
- E. W

64. Who lives on the topmost floor?

- A. S
- B. P
- C. R
- D. Q
- E. T

65. How many people live between U and W?

- A. 2
- B. 3
- C. 4
- D. 6
- E. 5

Direction: In each of the questions below are given few statements followed by four conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

66.

Statements:

Some path are trail.

All trail are stain.

Some stain are fast.

Conclusions:

I. Some trail are stain.

II. Some path are stain.

A. Only I follows

B. Only II follows

C. Both I and II follow

D. Either I or II follow

E. Neither I nor II follows

67. **Statements:**

Some Sword are Pistol.

No Knife are Risk.

All Pistol are Knife.

Conclusions:

I. No pistol is Risk

II. Some Sword are not Knife.

A. Only I follows

B. Only II follows

C. Both I and II follow

D. Either I or II follow

E. Neither I nor II follows

68. **Statements:**

All ball is rat.

All rat is feather.

No feather is troll.

Conclusions:

I. Some feather are ball.

II. Some troll are rat.

A. Only I follows

B. Only II follows

- C. Both I and II follow
- D. Either I or II follows
- E. Neither I nor II follows

69. Statements:

Some crow are doll.
All doll are clove.
Some clove are route.

Conclusions:

- I. Some doll are route.
- II. Some crow are clove.
- A. Only I follows
- B. Only II follows
- C. Both I and II follow
- D. Either I or II follows
- E. Neither I nor II follows

70. Statements:

All planes are aslant.
Some aslant are fans.
All fans are bans.

Conclusions:

- I. All planes being fans is a possibility.
- II. Some bans are planes.
- A. Only I follows
- B. Only II follows
- C. Both I and II follow
- D. Either I or II follows
- E. Neither I nor II follows

Direction: Study the following information and answer the given questions below.

Eight girls M, N, O, P, Q, R, S and T are sitting on a circular table, not necessarily in the same order, such that some of them are facing an inward direction and others are facing an outward direction. N is sitting 3rd to the left of R, who is facing inside. Four girls are sitting between M and N. O, who is facing outside the table, is an immediate neighbour of neither M nor N. P faces the same direction as the person seated opposite to her is facing. T sits fifth to the left of Q, who is not adjacent to N. S and R is not

facing the same direction. P sits to the immediate left of N. T and M face the same direction but opposite to P. S doesn't sit exactly between R and M.

71. Who sits sixth to the left of M?

- A. O
- B. R
- C. N
- D. T
- E. None of the above

72. How many people face outside the table?

- A. 5
- B. 3
- C. 2
- D. 4
- E. None of the above

Direction: In each question, some statements and two conclusions are given. You have to decide which of the given conclusions logically follow(s) according to the given statements. Study the following data carefully and answer the questions accordingly.

73.

Statements:

$A < R = F \leq N; C \leq B \geq L > S = N$

Conclusions:

- I. $A \geq L$
- II. $S \geq F$
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

74. Statements:

$Q \geq E \leq A < L; H \leq E \geq M = L$

Conclusions:

- I. $L \leq Q$
- II. $L < H$
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows

E. Both I and II follow

75. **Statements:**

$A > F \geq D = R$; $N < X > J \geq R$; $S > B \leq V = A$

Conclusions:

I. $X > B$

II. $V > J$

A. Only I follows

B. Only II follows

C. Either I or II follows

D. Neither I nor II follows

E. Both I and II follow

Direction: Study the following data carefully and answer the questions accordingly.

Ten people are born in five different months i.e. January, March, June, September, and October of the same year, two people were born in one month.

Note: Persons born in the same month are "time twins" i.e. they were born at the same time on the same day, in the same month.

W was born just before S and just after V. U and P were born in the same month having 31 days. S was born in a month having 30 days. R is just elder than X and just younger than Q. X is neither the youngest nor the eldest person in the group. Y is elder than T who was not born in the same month as S.

76.

T was born before _____ but after _____.

A. Y, R

B. Y, S

C. V, Q

D. U, P

E. None of the above

77. S was born in _____.

A. January

B. March

C. June

D. October

E. None of the above

78. Who among the following was born in January?

A. W

B. V

C. X

D. U

E. None of the above

79. How many people are younger than R?

A. 3

B. 4

C. 2

D. 6

E. None of the above

80. P was born in the month of _____.

A. January

B. March

C. October

D. June

E. September

81. Recently, BIMSTEC Disaster management Exercise 2020 was held at which of the following places?

A. Bhubaneswar (Odisha)

B. New Delhi

C. Mumbai (Maharashtra)

D. Pune (Maharashtra)

E. Chennai (Tamil Nadu)

82. Who was the captain of the Indian team in ICC U-19 cricket world cup?

A. Prithvi Shaw

B. Atharva Ankolekar

C. Ravi Bishnoi

D. Priyam Garg

E. Shubhang Hegde

83. Who won Men's single title in Australian Open 2020?

- A. Dominic Thiem
- B. Novak Djokovic
- C. Rafael Nadal
- D. Roger Federer
- E. Daniil Medvedev

84. R.K Pachauri who recently passed away was related to which field?

- A. Textile
- B. Environment
- C. Energy
- D. Science and Technology
- E. Classical Singer

85. 'Ajeya Warrior' exercise 2020 which was held recently, took place between India and which of the following country?

- A. United States of America
- B. United Kingdom
- C. Myanmar
- D. Indonesia
- E. Sri Lanka

86. BARC has developed India's lightest & cheapest bulletproof jacket, which has been named as Bhabha _____?

- A. Bhabha Rakshak
- B. Bhabha Aavaran
- C. Bhabha Kavach
- D. Bhabha Sena
- E. Bhabha Shield

87. Which of the following has won the Academy awards for best picture at Oscars 2020?

- A. Parasite
- B. Joker
- C. The Irishman
- D. La La Land
- E. Moonlight

88. Addis Ababa is the capital of which of the following countries?

- A. Eritrea

- B. Somalia
- C. Sudan
- D. Qatar
- E. Ethiopia

89. India signed Memorandum of Understanding in the field of sustainable fisheries with which of the following countries recently?

- A. Australia
- B. Maldives
- C. Iceland
- D. Greenland
- E. Peru

90. According to the Public Enterprises Survey, which of the following PSUs are among top three profitable PSUs along with IOCL and NTPC in 2018-19?

- A. ONGC
- B. BSNL
- C. POWERGRID
- D. BPCL
- E. HPCL

91. Union Minister of MSME has released an initiative titled as 'Apiary on wheels' for the easy upkeep and migration of Bee Boxes. 'Apiary on wheels' has been designed by which of the following organizations?

- A. National Bee Board of India
- B. KVIC
- C. Aayush Ministry
- D. NABARD
- E. None of the above

92. Recently, Kaamya Karthikeyan became the youngest girl to summit Mount Aconcagua. She is the student at Navy Children School _____?

- A. Delhi
- B. Bengaluru
- C. Mumbai
- D. Chennai
- E. Lucknow

93. Recently, WHO (World Health Organization) has named Corona Virus as _____?

- A. COVID-19
- B. COVID-SARS
- C. SARS-COVID
- D. SARS-CoV-19
- E. None of the above

94. Marcelo Rebelo de Sousa is the President of which of the following nation?

- A. Germany
- B. Spain
- C. Morocco
- D. Portugal
- E. Eritrea

95. What is the name of World's cheapest gunshot locator which has been developed by Indian Army's College of Military Engineering?

- A. Akash
- B. Dhruv
- C. Prahar
- D. Parth
- E. Prithvi

96. What was the theme of UN International Day of Education 2020, which is observed on 24th January 2020?

- A. Education: A Key Driver for Inclusion and Empowerment
- B. Learning for People, Planet, Prosperity, and Peace
- C. Recover and Revitalize Education for the COVID-19 Generation
- D. Teaching in Freedom, Empowering Teachers
- E. None of the above

97. In which country, UNESCO World Heritage site Buddhist Monument 'Horyu-Ji Area' is located?

- A. Japan
- B. China
- C. Indonesia

- D. North Korea
- E. Maldives

98. Which of the following firm is going to set up two data centres in the state of Telangana?

- A. Amazon
- B. Flipkart
- C. Google
- D. Tesla Motors
- E. Ant Group

99. President Ram Nath Kovind has released a mobile app of Red Cross Society of India, which has been developed by Telangana Centre for Good Governance in which of the following city?

- A. Warangal
- B. Nizamabad
- C. Karimnagar
- D. Ramagundam
- E. Hyderabad

100. Who won the 55th Jnanpith Award 2019?

- A. Itigi Eranna
- B. Akkitham Achuthan Namboodri
- C. P.T. Narasimhachar
- D. Jayant Kaikini
- E. Kumaran Asan

101. When data changes in multiple lists and all lists are not updated, this causes _____.

- A. data redundancy
- B. information overload
- C. duplicate data
- D. data inconsistency
- E. None of these

102. Which of the following search engines continuously sends out that starts on a homepage of a server and pursue all links stepwise ?

- A. Spiders
- B. Packets
- C. Cookies

- D. asPaddle
- E. None of these

103. What kind of Protocol is used to provide Internet access from mobile?

- A. TCP/IP
- B. ISD
- C. WAP
- D. HTTP
- E. None of these

104. One or more defects or problems that prevent the software from working as intended or working at all is a(n)_____.

- A. Bug
- B. Boot
- C. Programming language
- D. Fuzzy logic
- E. None of these

105. Which of the following is used with databases?

- A. Data mining
- B. EDI
- C. Credit cards
- D. All of the above
- E. None of these

106. The type of computers used by large organizations for critical applications where a large number of transactions need to be processed are called

- A. Mainframe computer
- B. Mini-computer
- C. Microcomputer
- D. PDA
- E. None of these

107. Which of the following is used by the browser to connect to the location of the Internet resources?

- A. DOC
- B. XML
- C. HTML
- D. URL
- E. None of these

108. _____ is the process of dividing the disk into tracks and sectors.

- A. Tracking
- B. Formatting
- C. Crashing
- D. Allotting
- E. None of these

109. The definition of thrashing is_____.

- A. swapping data between virtual memory and RAM too frequently.
- B. insufficient hard disk space.
- C. too many processors being managed by the operating system.
- D. inaccurate information stored in the registry.
- E. None of these

110. A _____ is a major database object used to display information in a printable page format.

- A. form
- B. query
- C. report
- D. table
- E. None of these

111. The physical arrangement of elements on a page is referred to as a document's _____.

- A. features
- B. format
- C. pagination
- D. grid
- E. None of these

112. What is a person called who uses a computer to cause harm to people or destroy critical systems?

- A. Cyberterrorist
- B. Black-hat hacker
- C. Cyber Cracker
- D. Hacktivist
- E. None of these

113.The secret code that restricts entry to some programs_____.

- A. password
- B. passport
- C. entry-code
- D. access-code
- E. None of these

114.A connection from one HTML document to another HTML document is called_____.

- A. Hyper Link
- B. Connecting Link
- C. Icon
- D. All of these
- E. None of these

115._____is the science and art of transforming messages to make them secure and immune to attacks.

- A. Cryptography
- B. Cryptoanalysis
- C. Cryptology
- D. cryptoanarchy
- E. Cryptoanalytics

116.The ____ component is used by the data analyst to create the queries that access the database.

- A. Data extraction
- B. End-user query tool
- C. End-user presentation tool
- D. Data store
- E. None of these

117.What does the acronym PDF stand for?

- A. Portable Documentation File
- B. Portable Document Format
- C. Portable Document File
- D. Portable Documenting Format
- E. Portable Documentation Format

118.Normalization is a process of restructuring a relation to_____.

- A. Minimize duplication of data in a database

B. Maximize duplication of data to ensure reliability in

- C. Make it of uniform size
- D. Allow addition of data
- E. None of these

119.A _____ network _____ geometric arrangement in which a single connecting line is shared by a number of nodes is called_____.

- A. Car Topology
- B. Bus Topology
- C. Truck Topology
- D. All of the above
- E. None of these

120.By viewing the properties of the local hard disk of a computer, the user can find out_____.

- A. The amount of space that has been used up and the remaining free space on the disk.
- B. The name of the user viewing the properties of the disk.
- C. Nothing useful to the user.
- D. The number of programs available in the computer.
- E. None of these

121.Which state of India is the largest producer of rice?

- A. Punjab
- B. West Bengal
- C. Haryana
- D. Uttar Pradesh
- E. Madhya Pradesh

122.Which type of farming consists of large amounts of labour and capital relative to land available?

- A. Extensive Farming
- B. Mixed Farming
- C. Intensive Farming
- D. Cooperative Farming
- E. Collective Farming

123. Production of raw silk by domestication of caterpillars (larvae) is known as _____

- A. Sericulture
- B. Silviculture
- C. Apiculture
- D. Pisciculture
- E. Vermiculture

124. Which of the following is not the components of Pradhan Mantri Krishi Sinchayee Yojana?

- A. Har Khet ko Pani
- B. More crop per drop
- C. Accelerated Irrigation Benefit Programme
- D. Sewage water or untreated water Programme
- E. Watershed Development

125. What was the venue of fifth edition 'The Pulses Conclave' 2020 that was held in February 2020?

- A. New Delhi
- B. Mumbai, Maharashtra
- C. Goa
- D. Odisha
- E. Lonavala, Maharashtra

126. Identify the institutional reforms out of the given technological reforms taken by government to boost farming sector in the country.

- A. Improved tools and mechanization
- B. Transport and Communication
- C. Irrigation Development
- D. Provisions of loans and subsidies
- E. Certified Seed Distribution

127. The 6th World Congress on Rural and Agricultural Finance was recently held in _____

- A. Mumbai
- B. Lucknow
- C. Amritsar
- D. Panipat
- E. Delhi

128. What does R stand for in GOBAR-DHAN yojana?

- A. Recollection
- B. Revival
- C. Resources
- D. Re-ignite
- E. Reliance

129. What is the Total horticulture production in 2019-20 according to first advance estimates?

- A. 313.35 million tonnes
- B. 183.17 million tonnes
- C. 377 million tonnes
- D. 320.48 million tonnes
- E. 140.47 million tonnes

130. Practice of tilling sloped land along lines of consistent elevation is known as _____

- A. Mulch farming
- B. Conservation tillage
- C. Strip cropping
- D. Contour farming
- E. Vegetative strips

131. If a bank fails to meet the Priority Sector Lending, then the due of amount of PSL goes to _____

- A. RBI
- B. Centre
- C. RIDF
- D. NABARD
- E. None of the above

132. What is the estimated kharif foodgrains crop output for 2019-20, as per first advance estimate?

- A. 140.57 million tonnes
- B. 120.47 million tonnes
- C. 130.28 million tonnes
- D. 150.44 million tonnes
- E. 160 million tonnes

133. What is India's GDP rate as estimated by Global Economic Prospects Report, published by World Bank?

- A. 4%

- B. 5%
- C. 6%
- D. 7%
- E. 8%

134. What is the sunset date for Rashtriya Gram Swaraj Abhiyan (RGSA)?

- A. 2022
- B. 2023
- C. 2025
- D. 2027
- E. 2030

135. Third Industrial policy will replace the earlier industrial policy that was launched in the year _____

- A. 1988
- B. 1989
- C. 1990
- D. 1991
- E. 1992

136. The 50th edition of 2020 World Economic Forum (WEF) annual meeting was held in Davos, Switzerland. What was the theme of WEF 2020?

- A. Globalization 4.0: Shaping a Global Architecture in the Age of the Fourth Industrial Revolution
- B. Stakeholders for a Cohesive and Sustainable World
- C. Creating a Shared Future in a Fractured World
- D. Responsive Leadership
- E. The Great Reset

137. Government has recently extended the National Company Law Tribunal (NCLT) cases resolution from 270 days to _____

- A. 300 days
- B. 310 days
- C. 330 days
- D. 350 days
- E. 365 days

138. IMF has lowered down India's GDP growth for 2019 due to which of the following reasons?

- A. Industrialization
- B. NBFC crises
- C. Weak financial system
- D. Demonetization
- E. None of the above

139. NABARD is going to raise Rs 55,000 crore from the domestic market in the current financial year through long term bonds for _____ years tenure

- A. 5-10
- B. 5-15
- C. 10-15
- D. 15-20
- E. 10-20

140. What is the main aim of Deendayal Antyodaya Yojana - National Rural Livelihood Mission?

- A. To alleviate rural poverty and create sustainable livelihood opportunities for the rural poor.
- B. To provide nutrition for rural people.
- C. To provide infrastructure in rural areas
- D. To create sustainable environment in rural areas
- E. To spread education in rural India

141. Draft National Education Policy 2019 was based on five pillars of access, equity, quality, affordability and _____.

- A. Recourses
- B. Accountability
- C. Adversity
- D. Reliability
- E. Supportability

142. Which of the following state has the highest gross state domestic product in financial year 2019?

- A. Punjab

- B. Haryana
- C. Kerala
- D. Maharashtra
- E. Karnataka

143. Deen Dayal Upadhyaya Grameen Kaushalya Yojana is an initiative of which of the following Ministries?

- A. Ministry of Urban Affairs
- B. Ministry of Health and Family Welfare
- C. Ministry of Agriculture & Farmers Welfare
- D. Ministry of Rural Development
- E. Ministry of Panchayati Raj

144. New Agriculture Export Policy, 2019 aims to double farm exports to _____ by _____.

- A. \$30 billion by 2021
- B. \$40 billion by 2022
- C. \$50 billion by 2023
- D. \$60 billion by 2022
- E. \$70 billion by 2021

145. Retail inflation rises to a record of five-and-half year in December 2019 to _____

- A. 6.35%
- B. 7.35%
- C. 8.35%
- D. 9.35%
- E. 10%

146. What is the unique feature of Saansad Adarsh Gram Yojana, in which each Member of Parliament adopts a Gram Panchayat?

- A. People's Participation
- B. Black Money Transformation
- C. Social Reformation
- D. Ideal Transformation
- E. None of the above

147. What is the share of service sector in Indian economy as per Economic Survey 2019-20?

- A. 53%
- B. 55%

- C. 57%
- D. 58%
- E. 60%

148. What is the name of the scheme that provided single all-weather road connectivity to the eligible unconnected habitations?

- A. Bharatmala
- B. Pradhan Mantri Gram Sadak Yojana
- C. SARATHI
- D. Setu Bharatam Programme
- E. VAHAN

149. Which year has been declared by FAO as International Year of Millets?

- A. 2021
- B. 2022
- C. 2023
- D. 2024
- E. 2025

150. What should be the age group of farmers under Pradhan Mantri Kisan Maan-Dhan Yojana (PM-KMY)?

- A. 40 to 60 years
- B. 18 to 40 years
- C. 28 to 50 years
- D. 30 to 40 years
- E. 50 above years

151. Which of the following organisation releases Agricultural Marketing & Farm Friendly Reforms Index (AMFFRI) index, that compares the status of reforms in the agriculture sector?

- A. NITI Aayog
- B. Ministry of Rural Development
- C. Ministry of Agriculture
- D. RBI
- E. NABARD

152. According to World Economic Forum's Global Risks report 2020, the top five factors belong to which of the following?

- A. Geopolitics
- B. Space Technology
- C. Environment
- D. Marine Life
- E. Migration

153. The 124th amendment act aims to 10% reservation in jobs and educational institutions to economically backward sections. In this category, the family income of the person should be less than

- A. Rs 5 Lakhs
- B. Rs 6 Lakhs
- C. Rs 7 Lakhs
- D. Rs 8 Lakhs
- E. Rs 9 Lakhs

154. What is the growth rate of India as per Economic Survey 2019-20?

- A. 3.8%
- B. 4.0%
- C. 4.8%
- D. 5.0%
- E. 5.8%

155. Mega Food Park Scheme provide grant-in-aid at 50% to plain areas and _____ to North East Region and difficult areas (Hilly States and ITDP areas).

- A. 60%
- B. 70%
- C. 75%
- D. 80%
- E. 90%

156. 'Transformation of Aspirational Districts' initiative has been launched by NITI Aayog to improve India's ranking in which of the following index?

- A. Human Development Index
- B. Global Economic Prospect report
- C. World Development Report
- D. Asian Development outlook
- E. World Economic Outlook

157. What is India's rank in the 2019 Human Development Index (HDI) among 189 countries?

- A. 125th
- B. 129th
- C. 130th
- D. 135th
- E. 147th

158. Consider the following statements about PM Krishi Sinchai Yojana and identify the **incorrect** statement:

- A. It converges with MGNREG
- B. It has subsumed the Desert Development Programme.
- C. It has not subsumed the Drought Prone Area Development Programme.
- D. It follows a cluster based approach.
- E. None is incorrect.

159. Which of the following is incorrect with respect to LibTech India study conducted on MGNREGS?

- A. As per the report, for most rural workers dependent on the MGNREGS, their labour does not end at the work site.
- B. Many of MGNREGS are forced to make multiple trips to the bank, adding travel costs and income losses.
- C. MGNREGS provides for 130 days of employment in a year to people in rural areas of the country.
- D. The study was initially conducted in Uttar Pradesh, Odisha and Rajasthan
- E. None of the above

160. Which of the following organization is one of the parts of the 'World Bank'?

- A. The International Bank for Reconstruction and Development (IBRD)

- B. The World Intellectual Property Organization (WIPO)
- C. The International Finance Corporation (IFC)
- D. The Multilateral Investment Guarantee Agency (MIGA)
- E. Financial Action Task Force

161. Which type of Ecosystem has richest alluvial soil with adequate water?

- A. Northern plain
- B. North-East India
- C. Eastern coastal Belt
- D. Western coastal Belt
- E. None of the above

162. Recently Union Finance Minister announced in the budget 2020-21 about the revival of Agriculture sector under _____ point programme?

- A. Eight Point
- B. Ten Point
- C. Twelve Point
- D. Sixteen Point
- E. Twenty Point

163. Which of the following crops occupies largest area in India?

- A. Onion
- B. Garlic
- C. Potato
- D. Carrot
- E. Cabbage

164. What is rosette in groundnut?

- A. peanut pathogenic virus
- B. peanut pathogenic bacteria
- C. peanut pathogenic Fungi
- D. peanut pathogenic Nematodes
- E. None of the above

165. Which of the following crops is known as the white gold?

- A. White Millets
- B. Cotton
- C. Silk
- D. Sugarcane

E. None of the above

166. Padma Shri Award 2019 for this year under the category 'others-agriculture' has been awarded to whom?

- A. Ms Kamla Pujari
- B. Chandra Shekhar Singh
- C. Jai Prakash Agarwal
- D. Dalavai Chalapathi Rao
- E. Sarita Joshi

167. Which of the following statements is incorrect regarding the PM-KISAN Samman Nidhi?

- A. Scheme gives Rs. 6000 at the starting of the year
- B. Farmers from both the urban and rural areas are eligible for the scheme
- C. PM Kisan Yojana came into effect from December 1, 2018
- D. Landholding farmers' families with cultivable landholding in their names can apply under this scheme
- E. The scheme defines family as husband, wife and minor children

168. What is the operating ratio under farm management?

- A. Ratio of operating expenses /Gross Profit
- B. Ratio of operating expenses /Net Profit
- C. Ratio of operating expenses /Gross Loss
- D. Ratio of operating expenses /Total Expense
- E. None of the above

169. Arrange the production share of horticulture crops in 2018-19?

- A. Spices<Fruits<Vegetables
- B. Fruits<Vegetables<Spices
- C. Vegetables<Spices< Fruits
- D. Vegetables<Fruits<Spices
- E. Fruits<Spices<Vegetables

170. Arrange the production share of horticulture crops in 2018-19?

- A. Spices<Fruits<Vegetables
- B. Fruits<Vegetables<Spices
- C. Vegetables<Spices<Fruits
- D. Vegetables<Fruits<Spices
- E. Fruits<Spices<Vegetables

171. Price Support Scheme and Price Deficiency Payment Scheme are part of which of the following schemes?

- A. PM-KISAN Scheme
- B. Krishi Sampada Yojana
- C. PM Annadata Aay Sanrakshan Abhiyan
- D. Pradhan Mantri Krishi Sinchai Yojana
- E. None of the above

172. Which committee recommended democratic decentralization of that later came to be known as Panchayati Raj?

- A. Balwant Rai Mehta Committee
- B. Fazal Ali Committee
- C. G V K Rao Committee
- D. L M Singhvi Committee
- E. Narasimham Committee

173. Which soil has the highest water retaining capacity?

- A. Black Soil
- B. Clay Soil
- C. Alluvial Soil
- D. Laterite Soil
- E. Red Soil

174. What percent of Subsidy to be provided for combine Harvester?

- A. 20 per cent
- B. 25 per cent
- C. 30 per cent
- D. 35 per cent
- E. 40 per cent

175. Which of the following is the most deciding factor to determine the Minimum Support Price (MSP) taken

into consideration by the Commission for Agricultural Costs and Prices (CACP)?

- A. Cost of production
- B. Changes in input prices
- C. Input-output price parity
- D. Trends in market prices
- E. Demand and supply

176. Which fish lives in fresh water but breed in salt water?

- A. Anadromous fishes
- B. Catadromous fishes
- C. Diadromous fishes
- D. Potamodromous fishes
- E. Oceanodromous fishes

177. Which soil has self-ploughing property?

- A. Black Soil
- B. Clay Soil
- C. Alluvial Soil
- D. Laterite Soil
- E. Red Soil

178. Interest subvention of 2% is given to farmers, what is the interest rate before subvention?

- A. 5%
- B. 6%
- C. 7%
- D. 8%
- E. 9%

179. Which of the following is not true about the 'Deen Dayal Antyodaya Yojna'?

- A. Livelihood of only Urban BPL Families is covered
- B. Livelihood of Urban poor folks through skill development
- C. National Rural Livelihoods Mission (NRLM) also covered under the scheme
- D. Urban component of scheme will be implemented by the Ministry of Housing and Urban Poverty Alleviation.

E. Rural component of the will be implemented by the [Ministry of Rural Development](#).

180. Banking correspondent model was introduced by the Reserve Bank of India in which year?

- A. 2003
- B. 2004
- C. 2005
- D. 2006
- E. 2008

181. Which state is the largest producer of sunflower?

- A. Tamil Nadu
- B. Madhya Pradesh
- C. Uttar Pradesh
- D. Karnataka
- E. Andhra Pradesh

182. The most dominant fraction of soil degradation in India in dry land climate zone (semi-Arid zone) is _____.

- A. Wind Erosion
- B. Gully Erosion
- C. Splash erosion
- D. Sheet Erosion
- E. Rill Erosion

183. 100 Days employment is provided under which scheme?

- A. MGNREGA
- B. Rural Poverty Alleviation Programme
- C. Jawahar Rojgar Yojna
- D. Mahila Samridhi Yojna
- E. Swarn Jayanti Shahri rojgar Yojna

184. Maximum greenhouse gases are released from _____.

- A. Construction Sector
- B. Energy Sector
- C. Transport Sector
- D. Manufacturing Sector
- E. Agriculture Sector

185. Which is the most serious disease of poultry in India?

- A. Ranikhet
- B. Fowl Pox
- C. Fowl Coccidiosis
- D. Fowl Coryza
- E. None of the above

186. Economic life of Poultry layer bird is _____.

- A. 6 weeks
- B. 12 weeks
- C. 14 weeks
- D. 18 weeks
- E. 22 weeks

187. Which nutrients is required for synthesis of sugar in sugarcane?

- A. Calcium
- B. Potassium
- C. Iron
- D. Sodium
- E. Starch

188. Irrigation projects having Culturable Command Area (CCA) of less than _____ each are classified as minor projects?

- A. 2000 hectares
- B. 4000 hectares
- C. 6000 hectares
- D. 10,000 hectares
- E. 15,000 hectares

189. Which among the following is the most efficient crop in the world in converting energy from sunlight into chemical energy?

- A. Sugarcane
- B. Wheat
- C. Rice
- D. Beetroot
- E. Pumpkin

190. Healthy earth green farm (Swasth Dhara Khet Hara) is a logan of which scheme?

- A. Neem Urea Scheme

- B. Integrated Wasteland Development Programme
- C. Soil Health Card Scheme
- D. Watershed Management Programme
- E. None of the above

191. According to India Meteorological Department (IMD), a rainy day has been defined as a day with rainfall of:

- A. 1 mm
- B. 2 mm
- C. 2.5 mm
- D. 3 mm
- E. 4 mm

192. Which of the following pair of main crop and trap crop is correct?

- A. Rice and Moong
- B. Wheat and Green Gram
- C. Green gram- Moong
- D. Garlic and Basil
- E. None of the above

193. The sheep breed with the finest quality of carpet wool is _____.

- A. Chokla
- B. Marwari
- C. Jamnapari
- D. Nilgiri
- E. Lohi

194. Which state has the highest coverage under micro irrigation?

- A. Karnataka
- B. Uttara Pradesh
- C. Rajasthan
- D. Tamil Nadu
- E. Maharashtra

195. What is the botanical name of the Elephant Grass?

- A. Pennisetum purpureum Schumach
- B. Cynodon dactylon
- C. Stenotaphrum secundatum
- D. Sporobolus tremulus

E. Poa annua

196. Which of the following is the regulator of commodity exchange?

- A. RBI
- B. SEBI
- C. IRDAI
- D. TRAI
- E. PFRDA

197. Lancing is practiced in which crop?

- A. Opium
- B. Cotton
- C. Almonds
- D. Saffron
- E. Cashew

198. Which is the knowledge partner of the committee on doubling the farmers income?

- A. NCAER
- B. CSIR
- C. ICAR
- D. NITI Aayog
- E. None of the above

199. Crop best suited for crop rotation to enrich soil with nitrogen?

- A. Alfalfa
- B. Tea
- C. Garlic
- D. Basil
- E. Sugarcane

200. Tipping is practiced in cultivation of which crop?

- A. Alfalfa
- B. Tea
- C. Garlic
- D. Basil
- E. Sugarcane

###ANSWERS###

1. Ans. C.

The error lies in the third part of the sentence. Being preceded by the helping verb 'was', the verb 'know' needs to take on its past participle form to maintain the tone of the sentence.

Thus, option C is the correct answer.

2. Ans. A.

Note that Lest is a negative word and we do not use 'not, never or no' with lest.

3. Ans. D.

Note the correct co-relative conjunction is 'Not only...but also'. In the fourth part, 'but' is missing which must be placed before 'also' for the sentence to make sense.

4. Ans. C.

Note that belonging is (uncountable) the action of the verb to belong while belongings is possessions or personal items. And in the given context, the latter makes sense.

5. Ans. A.

The Otts said they left Fort Lauderdale as "...Fort Lauderdale was getting too crowded" indicates the increase in the population of Fort Lauderdale. Hence, the correct answer is A.

6. Ans. C.

"A certified community must meet criteria that are important to retirees..." "Access to coastal areas" is not an important factor to retirees. People have changed their residence when places get "overcrowded", and are advised to check travel convenience and availability of medical facilities. Hence, the correct answer is C.

7. Ans. D.

Only option III is correct. The reasons are as follows:

I: "Communities are actively seeking out retirees as a way to boost

economic development." Clearly, the retirees have much to give to the communities. So, option I is false.

II: Here, Fort Lauderdale is described as even a retirement mecca because it attracts plenty of retirees. So, option II is false.

III: "If you ever wanted to be useful or needed, a small town is the place for you..." When people have such involvement in the communities, they do not live an idle life. So, option III is true.

Hence, the correct answer is D.

8. Ans. E.

The first two paragraphs present an idyllic picture of the small towns as retirement settings. But the third paragraph starts with the downside of such a setting. This shift in mood should be marked by a suitable statement. Option E begins with "but" and introduces the topic that small towns may not be as perfect as we think them to be. Hence, the correct answer is E.

9. Ans. D.

The paragraph suggests that there is a "social pressure to become involved". This could be seen as an obligation, neglect of which might direct resentment towards you. But the passage doesn't make it clear how far this resentment will go. But, since most people in the community don't turn hostile, we can say that the given reference is probably false. Hence, the correct answer is D.

10. Ans. B.

Morrison was advising about how to keep oneself busy while living in a small town. This advice was the result of him living in one. Hence, the correct answer is B.

11. Ans. A.

If housing options are limited, then from the given options, "a suitable

home" will be the most difficult to find, as experienced by the Carlsens of Walla Walla. Hence, the correct answer is A.

12. Ans. C.

Only options II & III are correct. The reasons are as follows:

I: Doctors "...escape big cities for the simpler life". This is a personal life choice and has no relation to their work environment. So, option I is false.

II: "If you treasure your anonymity, you may not want to live in a place where everyone really knows your name, as well as your business..." shows that the people have no regard for personal privacy. They even notice tiny details like "...a new awning on your house or whether you left 15 minutes early that day, or whether your cat was wandering down the street." So, option II is true.

III: Of all the community activities, golf and fishing are the ones specifically mentioned. Clearly, there's a preference among the retirees. So, option III is true.

Hence, the correct answer is C.

13. Ans. B.

The emboldened phrase is erroneous. The phrase 'one of the' is always followed by a singular verb. Also, "myself" is a reflexive pronoun and is used when you are the object of your own action - i.e., when "you" are doing something to "you." (Ex: I could write the songs myself, but they sound better when they are written by Barry Manilow and me). However, the pronoun "me" is used as an object. (Ex: The songs are written by me.).

Therefore, the emboldened segment should be replaced with 'was employed to copy the papers for me' to make the sentence grammatically correct.

Hence, **option B** is the correct answer.

14. Ans. C.

The emboldened phrase is erroneous. The word 'found' is the past tense of the verb 'find'. The word 'founded' is the part tense of the verb 'found' which means to establish/set up.

We need a past tense in the sentence. Also, the preposition 'in' is used to express a period of time during which an event happens, or a situation remains the case.

Hence, the emboldened segment should be replaced with 'founded by Francisco Hernandez de Cordova in 1523' to form a grammatically correct sentence.

Therefore, **option C** is the correct answer.

15. Ans. C.

The emboldened phrase is erroneous. The subject in the sentence is singular i.e. 'the repeated administration'. Since the verb must agree with the main subject and not with the intervening plural object of a preposition, the verb should be singular i.e. 'has'.

Also, an adjective is required to modify the noun 'repeated administration'. Therefore, the emboldened phrase must be replaced with 'the repeated administration of small ones has proved effectual' to make the sentence grammatically correct.

Hence, **option C** is the correct answer.

16. Ans. B.

The emboldened phrase is erroneous. The error is because of the usage of adverb 'anonymously'. We need an adjective to modify the noun 'a German translation of the Systema Naturae'. Therefore, 'anonymous' must be used instead of 'anonymously'. Also, 'hitherto' means

'until now or until the point in time under discussion'.

Hence, the emboldened phrase can be replaced by 'which had hitherto been technically anonymous' or 'which had been technically anonymous until now' to make the sentence grammatically correct.

Therefore, **option B** is the correct answer.

17. Ans. B.

Note that with the phrase 'A group of' we always use a plural noun. In this case the correct plural of 'passer by' is 'passersby'. Thus, option B is the correct answer.

18. Ans. D.

The sentence implies that locals and visitors love to move along the beautiful coastline.

All the three words, 'meander', 'stroll', and 'roam' meaning 'wander at random' are the apt fits for the blank.

Hence, **option D** is the correct answer.

19. Ans. B.

To manage the diversity, one should be able to understand or determine the key differences among them. 'Discern' meaning 'recognize or find out' is the apt fit for the blank.

Hence, **option B** is the correct answer.

The meanings of the other words are: Putrefy: (of a body or other organic matter) decay or rot and produce a fetid smell.

Enjoin: instruct or urge (someone) to do something.

20. Ans. C.

The sentence implies that it was misrepresentation of justice when she was not allowed to speak in her own defence.

'Travesty' meaning 'a false, absurd, or distorted representation of something' is the apt fit for the blank.

Hence, **option C** is the correct answer.

The meanings of the other words are: Exult: feel or show triumphant elation or jubilation.

Derision: contemptuous ridicule or mockery.

21. Ans. D.

The sentence implies that the subject's criticisms were always insignificant, and they never offered constructive suggestions.

All the three words, 'frivolous' meaning 'not having any serious purpose or value', 'thoughtless' meaning '(of a person or their behaviour) not showing consideration for the needs of other people', and 'flippant' meaning 'not showing a serious or respectful attitude' can fit in the blank aptly.

Hence, **option D** is the correct answer.

22. Ans. A.

The sentence implies that the event was an historic one that caused a sea-change in public attitudes.

Both 'momentous' meaning 'of great importance or significance, especially in having a bearing on future events' and 'significant' meaning 'sufficiently great or important to be worthy of attention; noteworthy' are the apt fits for the blanks.

Hence, **option A** is the correct answer.

'fictitious' means 'invented; not real' which is a contextual misfit.

23. Ans. A.

In the sentence, "Leonard calls it "tacit knowledge"", "it" refers to the knowledgeable gainer from the experience, not the experience itself. Hence, the correct answer is A.

24. Ans. D.

Even while bidding the senior employee farewell, the current employees are worried about the

future in her absence. This makes them, and by extension, the passage's overall tone. *apprehensive*. Hence, the correct answer is D.

25. Ans. B.

The company had to come up with a board game instead of a proper strategy. This strategy is also limited to just one company (Duke). Despite all the shortcomings, this is a strategy nonetheless, however unconventional. This given inference, thus, is probably true. Hence, the correct answer is B.

26. Ans. E.

The first paragraph talks about how employees retire over 10,000 times a day. The employees, while retiring, take away valuable experience along with them. So, when the paragraph says "haemorrhaging its veteran employees", it refers to lose or expend large amounts of experience employees. Hence, the correct answer is E.

27. Ans. C.

Sunk means experiencing serious trouble, or unable to solve a problem. Submerge means cause (something) to be under water.

Subside means become less intense, violent, or severe.

Slump means a period of substantial failure or decline.

Succumb means fail to resist pressure, temptation, or some other negative force.

Sag means sink, subside, or bulge downwards underweight or pressure or through lack of strength.

Hence, the correct answer is C.

28. Ans. A.

"Knowledge is the critically-important stuff in your head that has never been written down." Stuff in the head that can't be written down, cannot be stored by any physical means. Hence, the correct answer is A.

29. Ans. E.

The seventh paragraph begins with "Business can start...". We need the previous sentence to state what needs to be started. Option E states this as the preparations for the retirement of a generation. It also provides a solution for the loss of experienced employees discussed in the given passage. Hence, the correct answer is E.

30. Ans. A.

From the different parts it is evident that the sentence aims to present a comparison between forest fires in different areas. The sentence should begin with part D. parts E and A form an unit which list two areas. Part B which talks of a single area and uses the comparative 'dwarfed' must come in second position. This makes option A the only eligible correct answer.

31. Ans. B.

From the given parts, it is evident that part B should start the sentence. This is because it draws attention to the people who have the virus and the rest of the sentence then goes on to explain their symptoms. Thus, option B which has part B in the beginning is the correct answer.

32. Ans. D.

When we observe the given parts we can see that part A should begin the sentence as it introduces the topic of fires. Their immediate effect is listed in part B which becomes the second part. Thus, options D or E can be the correct answer. Part B should be followed by part C which introduces the said 'vicious cycle'. Thus, option D is the correct answer.

33. Ans. A.

From the given parts it is clear that the sentence should begin with part B which presents the problem. It should be followed by part C which talks about the issues with the problem.

Since we have established that the sequence should go 'BC...' it is clear that option A is the correct answer.

34. Ans. E.

From the given parts it is evident that the sentence wants to point towards a warning issued by an authority/organisation. Thus, the sentence should begin with part A followed by part B. This makes either options D or E the correct answer. Part D talks about the issue of warning and thus comes in third spot. This makes option E the correct answer.

35. Ans. C.

From the given parts it is evident that part E should begin the sentence as the sentence aims to praise the quick action of authorities while urging them regarding future actions. Now, only option C has E in the first spot making it the correct answer.

36. Ans. E.

The above given sentence intends to state that India's federal power structure was highly reinforced during the 1990s as an outcome of a reluctant placing of new political realities. Hence, D-E should interchange each other to make the sentence grammatically correct and contextually meaningful. Hence, E will be right answer choice.

37. Ans. E.

The given sentence is giving perfect sense. The context of the sentence is that it is obvious that soon, there will be no choice left to the state and local authorities to restrict the activities in order to manage with the disturbing surge of cases. Hence, option E is the right answer choice.

38. Ans. C.

A-B and D-E will need replacement to make the sentence grammatically correct and contextually meaningful. The context of the sentence is Iran is insisting USA to remove the sanctions

first while Washington is asking Iran to take the first step and resume its compliance with the pact, the dispute between USA and Iran remains to be huge. 'Sanctions' should come in place of 'insisting' and 'remains' should come in place of 'pact' to make the sentence contextually meaningful and grammatically correct. Hence, option C is the right answer choice.

39. Ans. B.

The context of the sentence is that the void created by the departure of the US military machine should be filled forces that are not contrary to the peace, prosperity and permanency of Afghanistan and its neighbours. In this context, C-E i.e. 'forces-stability' will interchange each other to make the sentence grammatically correct and contextually meaningful. Hence, B will be right answer choice.

40. Ans. B.

The given sentence above intends to state that Jonathan is aware of the fact that Shashi Tharoor has accused the British of building the railways so that they can smoothen the process of getting the loot out of India. In this context, C-E should be interchanged to make the sentence grammatically correct and contextually meaningful. Hence, B will be right answer choice.

41. Ans. B.

Let the investment of A be Rs. 7x

Investment of B = Rs. 3x

Profit ratio of A and B = $7x \times 4 : 3x \times 8 = 7 : 6$

Profit share of A = $\frac{143000}{13} \times 7 = \text{Rs. } 77000$

Profit share of B = $\frac{143000}{13} \times 6 = \text{Rs. } 66000$

Required difference of profit share of A and B = $77000 - 66000 = \text{Rs. } 11000$

Hence, option B is correct.

42. Ans. D.

Let the cost price of the watch be Rs. $100x$

Selling price of the watch = $100x \times 130.5\%$ = Rs. $130.5x$

Marked price of the watch = $\frac{130.5x}{87} \times 100$ = Rs. $150x$

After given 30% discount, selling price of the watch = $150x \times 70\%$ = Rs. $105x$

Gain percentage = $\frac{105x - 100x}{100x} \times 100$ = 5% gain

Hence, option D is correct.

43. Ans. A.

The pattern of the series is:

$$1 \times 1 + 2 = 3$$

$$3 \times 2 + 3 = 9$$

$$9 \times 3 + 4 = 31$$

$$31 \times 4 + 5 = 129$$

$$129 \times 5 + 6 = 651$$

Hence, option A is correct.

44. Ans. C.

The pattern of the series is:

$$8 + (2^3 + 1) = 17$$

$$17 + (3^3 + 1) = 45$$

$$45 + (4^3 + 1) = 110$$

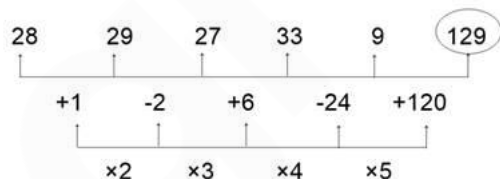
$$110 + (5^3 + 1) = 236$$

$$236 + (6^3 + 1) = 453$$

Hence, option C is correct.

45. Ans. A.

The pattern of the series is:



Hence, option A is correct.

46. Ans. B.

Let the present age of A be $4x$ years

Present age of B = $5x$ years

Total present age of B and C = $30 \times 2 = 60$ years

Present age of C = $60 - 5x$ years

According to the data provided in the question, we get

$$4x + 8 = 5x - 8 + (60 - 5x) - 8$$

$$\Rightarrow 4x + 8 = 60 - 16$$

$$\Rightarrow 4x = 36$$

$$\Rightarrow x = 9$$

Present age of C = $60 - 5 \times 9 = 15$ years

Hence, option B is correct.

47. Ans. C.

Let the height of C_1 be h cm and radius of C_2 be r cm.

Height of $C_2 = h$ cm

Radius of $C_1 = (r + 7)$ cm

According to the data provided in the question, we get

$$\frac{\pi \times (r + 7)^2 \times h}{\pi \times r^2 \times h} = \frac{4}{1}$$

$$\Rightarrow (r + 7)^2 = 4r^2$$

$$\Rightarrow r^2 + 49 + 14r = 4r^2$$

$$\Rightarrow 3r^2 - 14r - 49 = 0$$

$$\Rightarrow 3r^2 - (21 - 7)r - 49 = 0$$

$$\Rightarrow 3r^2 - 21r + 7r - 49 = 0$$

$$\Rightarrow 3r(r - 7) + 7(r - 7) = 0$$

$$\Rightarrow (r - 7)(3r + 7) = 0$$

$$\Rightarrow r = 7, -\frac{7}{3}$$

Radius can't be negative. So, the radius of $C_2 = 7$ cm

Hence, option C is correct.

48. Ans. C.

Day	Total people registered for seminar (male + female)	Males registered	Females registered	Number of people who attended the seminar (male + female)
Monday	875	$875 \times \frac{4}{7} = 500$	$875 \times \frac{3}{7} = 375$	$875 \times 80\% = 700$
Tuesday	1250	$1250 \times \frac{12}{25} = 600$	$1250 \times \frac{13}{25} = 650$	$1250 \times 70\% = 875$
Wednesday	1100	$1100 \times \frac{7}{11} = 700$	$1100 \times \frac{4}{11} = 400$	$1100 \times 50\% = 550$
Thursday	1500	$1500 \times \frac{3}{5} = 900$	$1500 \times \frac{2}{5} = 600$	$1500 \times 60\% = 900$

Number of people (male + female) registered on Friday = $875 \times 120\% = 1050$

The number of males who registered on Friday = $1050 \times (100 - 40)\% = 630$

Hence, option C is correct.

49. Ans. A.

Day	Total people registered for seminar (male + female)	Males registered	Females registered	Number of people who attended the seminar (male + female)
Monday	875	$875 \times \frac{4}{7} = 500$	$875 \times \frac{3}{7} = 375$	$875 \times 80\% = 700$
Tuesday	1250	$1250 \times \frac{12}{25} = 600$	$1250 \times \frac{13}{25} = 650$	$1250 \times 70\% = 875$
Wednesday	1100	$1100 \times \frac{7}{11} = 700$	$1100 \times \frac{4}{11} = 400$	$1100 \times 50\% = 550$
Thursday	1500	$1500 \times \frac{3}{5} = 900$	$1500 \times \frac{2}{5} = 600$	$1500 \times 60\% = 900$

Required difference = $(1250 + 1100) - (700 + 900) = 750$

Hence, option A is correct.

50. Ans. D.

Day	Total people registered for seminar (male + female)	Males registered	Females registered	Number of people who attended the seminar (male + female)
Monday	875	$875 \times \frac{4}{7} = 500$	$875 \times \frac{3}{7} = 375$	$875 \times 80\% = 700$
Tuesday	1250	$1250 \times \frac{12}{25} = 600$	$1250 \times \frac{13}{25} = 650$	$1250 \times 70\% = 875$
Wednesday	1100	$1100 \times \frac{7}{11} = 700$	$1100 \times \frac{4}{11} = 400$	$1100 \times 50\% = 550$
Thursday	1500	$1500 \times \frac{3}{5} = 900$	$1500 \times \frac{2}{5} = 600$	$1500 \times 60\% = 900$

Number of males who attended

seminar on Wednesday = $550 \times \frac{4}{5} = 440$

Number of females who attended

seminar on Wednesday = $550 \times \frac{1}{5} = 110$

Number of females who registered for seminar but did not attend the seminar on Wednesday = $400 - 110 = 290$

Hence, option D is correct.

51. Ans. C.

Day	Total people registered for seminar (male + female)	Males registered	Females registered	Number of people who attended the seminar (male + female)
Monday	875	$875 \times \frac{4}{7} = 500$	$875 \times \frac{3}{7} = 375$	$875 \times 80\% = 700$
Tuesday	1250	$1250 \times \frac{12}{25} = 600$	$1250 \times \frac{13}{25} = 650$	$1250 \times 70\% = 875$
Wednesday	1100	$1100 \times \frac{7}{11} = 700$	$1100 \times \frac{4}{11} = 400$	$1100 \times 50\% = 550$
Thursday	1500	$1500 \times \frac{3}{5} = 900$	$1500 \times \frac{2}{5} = 600$	$1500 \times 60\% = 900$

Required percentage = $\frac{600-500}{500} \times 100 = 20\%$

Hence, option C is correct.

52. Ans. B.

Day	Total people registered for seminar (male + female)	Males registered	Females registered	Number of people who attended the seminar (male + female)
Monday	875	$875 \times \frac{4}{7} = 500$	$875 \times \frac{3}{7} = 375$	$875 \times 80\% = 700$
Tuesday	1250	$1250 \times \frac{12}{25} = 600$	$1250 \times \frac{13}{25} = 650$	$1250 \times 70\% = 875$
Wednesday	1100	$1100 \times \frac{7}{11} = 700$	$1100 \times \frac{4}{11} = 400$	$1100 \times 50\% = 550$
Thursday	1500	$1500 \times \frac{3}{5} = 900$	$1500 \times \frac{2}{5} = 600$	$1500 \times 60\% = 900$

Required ratio = $875 : 550 = 35 : 22$
Hence, option B is correct.

53. Ans. A.

Day	Total people registered for seminar (male + female)	Males registered	Females registered	Number of people who attended the seminar (male + female)
Monday	875	$875 \times \frac{4}{7} = 500$	$875 \times \frac{3}{7} = 375$	$875 \times 80\% = 700$
Tuesday	1250	$1250 \times \frac{12}{25} = 600$	$1250 \times \frac{13}{25} = 650$	$1250 \times 70\% = 875$
Wednesday	1100	$1100 \times \frac{7}{11} = 700$	$1100 \times \frac{4}{11} = 400$	$1100 \times 50\% = 550$
Thursday	1500	$1500 \times \frac{3}{5} = 900$	$1500 \times \frac{2}{5} = 600$	$1500 \times 60\% = 900$

Number of females who attended the seminar on Thursday = $600 \times 40\% = 240$

Number of males who attended the seminar on Thursday = $900 - 240 = 660$

Hence, option A is correct.

54. Ans. D.

Monthly saving of Shabana = Rs. 12000

Monthly income of Shabana = $\frac{12000}{20} \times 100 = \text{Rs. } 60000$

Monthly income of Waseem = $60000 \times 130\% = \text{Rs. } 78000$

Monthly saving of Waseem = Rs. 12000

Amount spent by Waseem in a month = $78000 - 12000 = \text{Rs. } 66000$

Hence, option D is correct.

55. Ans. D.

The quantity of milk in the mixture = 200 litres

The quantity of water in the mixture = 40 litres

After adding water in the mixture, the quantity of water in the mixture = $40 + 40 = 80$ litres

Ratio of the milk to water in the mixture = $200 : 80 = 5 : 2$

After taking out the mixture, The quantity of milk in the final

mixture = $200 - 35 \times \frac{5}{7} = 175$ litres

The quantity of milk in the final

mixture = $80 - 35 \times \frac{2}{7} = 70$ litres

Total quantity of the final mixture = $175 + 70 = 245$ litres

$$\text{Required percentage} = \frac{175}{245} \times 100 = 71.42\% \approx 71\%$$

Hence, option D is correct.

56. Ans. A.

Let the capacity of the tank be 80 litres.

Amount of the tank filled by tank A in $\frac{80}{16}$ one hour = 5 litres

Amount of the tank filled by tank B in $\frac{80}{20}$ one hour = 4 litres

Amount of the tank filled by tank A in 6 hours = $5 \times 6 = 30$ litres

Remaining part of the tank = $80 \times \frac{3}{4} - 30 = 30$ litres

Time taken by pipe B to fill the remaining part of the tank = $\frac{30}{4} = 7.5$ hours

Hence, option A is correct.

57. Ans. B.

Let the principal be Rs. $100x$

Simple interest earned = $100x \times R\% \times 4 = \text{Rs. } 4Rx$

According to the data provided in the question, we get

$$4Rx = (100x + 4Rx) \times 37.5\%$$

$$\Rightarrow 4R = 37.5 + 1.5R$$

$$\Rightarrow 2.5R = 37.5$$

$$\Rightarrow R = 15$$

Hence, option B is correct.

58. Ans. E.

$$\text{I. } x^2 - 5x - 84 = 0$$

$$\Rightarrow x^2 - (12 - 7)x - 84 = 0$$

$$\Rightarrow x^2 - 12x + 7x - 84 = 0$$

$$\Rightarrow x(x - 12) + 7(x - 12) = 0$$

$$\Rightarrow (x - 12)(x + 7) = 0$$

$$\Rightarrow x = 12, -7$$

$$\text{II. } y^2 - 9y - 52 = 0$$

$$\Rightarrow y^2 - (13 - 4)y - 52 = 0$$

$$\Rightarrow y^2 - 13y + 4y - 52 = 0$$

$$\Rightarrow y(y - 13) + 4(y - 13) = 0$$

$$\Rightarrow (y - 13)(y + 4) = 0$$

$$\Rightarrow y = 13, -4$$

No relation can be established between x and y .

So, option E is correct.

59. Ans. B.

$$\text{I. } x^2 + 7x + 12 = 0$$

$$\Rightarrow x^2 + (4 + 3)x + 12 = 0$$

$$\Rightarrow x^2 + 4x + 3x + 12 = 0$$

$$\Rightarrow x(x + 4) + 3(x + 4) = 0$$

$$\Rightarrow (x + 4)(x + 3) = 0$$

$$\Rightarrow x = -4, -3$$

$$\text{II. } y^2 + 5y + 6 = 0$$

$$\Rightarrow y^2 + (3 + 2)y + 6 = 0$$

$$\Rightarrow y^2 + 3y + 2y + 6 = 0$$

$$\Rightarrow y(y + 3) + 2(y + 3) = 0$$

$$\Rightarrow (y + 3)(y + 2) = 0$$

$$\Rightarrow y = -2, -3$$

So, $x \leq y$.

Hence, option B is correct.

60. Ans. B.

$$\text{I. } 3x^2 + 8x + 4 = 0$$

$$\Rightarrow 3x^2 + (6 + 2)x + 4 = 0$$

$$\Rightarrow 3x^2 + 6x + 2x + 4 = 0$$

$$\Rightarrow 3x(x + 2) + 2(x + 2) = 0$$

$$\Rightarrow (x + 2)(3x + 2) = 0$$

$$\Rightarrow x = -2, -\frac{2}{3}$$

$$\text{II. } 6y^2 + 7y + 2 = 0$$

$$\Rightarrow 6y^2 + (4 + 3)y + 2 = 0$$

$$\Rightarrow 6y^2 + 4y + 3y + 2 = 0$$

$$\Rightarrow 2y(3y + 2) + 1(3y + 2) = 0$$

$$\Rightarrow (3y + 2)(2y + 1) = 0$$

$$\Rightarrow y = -\frac{2}{3}, -\frac{1}{2}$$

So, $x \leq y$.

Hence, option B is correct.

61. Ans. D.

Floors	Persons
8	S
7	U
6	P
5	V
4	Q
3	W
2	R
1	T

62. Ans. A.

Floors	Persons
8	S
7	U
6	P
5	V
4	Q
3	W
2	R
1	T

63. Ans. E.

Floors	Persons
8	S
7	U
6	P
5	V
4	Q
3	W
2	R
1	T

64. Ans. A.

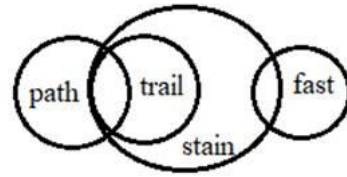
Floors	Persons
8	S
7	U
6	P
5	V
4	Q
3	W
2	R
1	T

65. Ans. B.

Floors	Persons
8	S
7	U
6	P
5	V
4	Q
3	W
2	R
1	T

66. Ans. C.

The least possible Venn diagram for the given statements is as follows:



Conclusions:

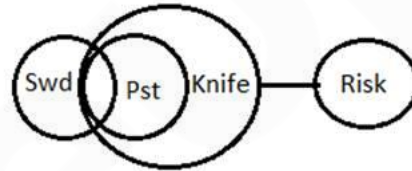
I. Some trail are stain. → It's sure, hence true.

II. Some path are stain. → It's sure, hence true.

Clearly, both I and II follow.

67. Ans. A.

The least possible Venn diagram for the given statements is as follows:



Conclusions:

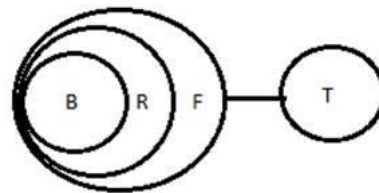
I. No pistol is Risk → It's sure, hence true.

II. Some Sword are not Knife → It's not definite, hence true.

Clearly, only conclusion I follows.

68. Ans. A.

The least possible Venn diagram for the given statements is as follows:



Conclusions:

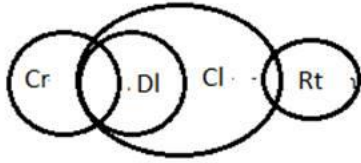
I. Some feather are ball → It's sure, hence true.

II. Some troll are rat → False

Therefore, conclusion I follows.

69. Ans. B.

The least possible Venn diagram for the given statements is as follows:

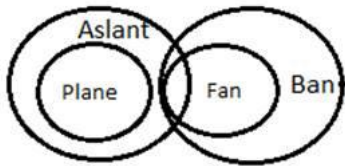


Conclusions:

- I. Some doll are route. ___ Not true.
 - II. Some crow are clove. ___ its true.
- Clearly, II follows.

70. Ans. A.

The least possible Venn diagram for the given statements is as follows:

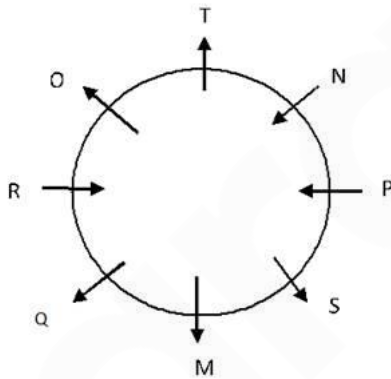


Conclusions:

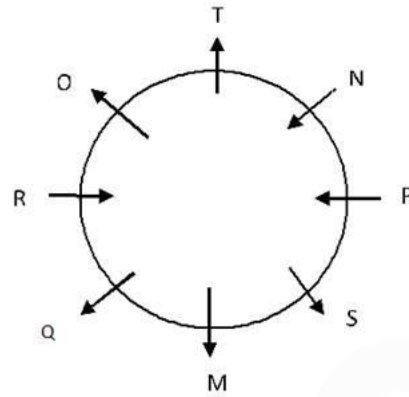
- I. All planes being fans is a possibility. → It's possible, hence true.
- II. Some bans are planes is a possibility but not definite → It's possible, hence false.

Hence, only I follow.

71. Ans. B.



72. Ans. A.



73. Ans. B.

We have

$$A < R = F \leq N; C \leq B \geq L > S = N$$

Combining these statements, we have

$$A < R = F \leq N = S < L \leq B \geq C$$

Now, conclusions are:

I. $A \geq L$: False as $A < R = F \leq N = S < L$

II. $S \geq F$: True as $F \leq N = S$

Hence, Only conclusion II follows.

74. Ans. D.

We have

$$Q \geq E \leq A < L; H \leq E \geq M = L$$

Combining these two statements, we have

$$Q \geq E \leq A < L = M \leq E \geq H$$

Now,

I. $L \leq Q$ - false as $Q \geq E \leq A < L$

II. $L < H$ - false as $L = M \leq E \geq H$

None follows.

75. Ans. D.

We have,

$$A > F \geq D = R; N < X > J \geq R; S > B \leq V = A$$

Combining these statements, we have

$$S > B \leq V = A > F \geq D = R \leq J < X > N$$

Now,

I. $X > B$ - false as $B \leq V = A > F \geq D = R \leq J < X$

II. $V > J$ - false as $V = A > F \geq D = R \leq J$

Thus, none follows.

76. Ans. E.

Months	Persons
January	V, Y
March	W, Q
June	S, R
September	T, X
October	U, P

77. Ans. C.

Months	Persons
January	V, Y
March	W, Q
June	S, R
September	T, X
October	U, P

78. Ans. B.

Months	Persons
January	V, Y
March	W, Q
June	S, R
September	T, X
October	U, P

79. Ans. B.

Months	Persons
January	V, Y
March	W, Q
June	S, R
September	T, X
October	U, P

80. Ans. C.

Months	Persons
January	V, Y
March	W, Q
June	S, R
September	T, X
October	U, P

81. Ans. A.

* 2nd Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC), Disaster Management Exercise (BIMSTEC DMEx-2020) was held in Bhubaneswar (Odisha)

* The exercise was held from 11th February 2020 to 13th February 2020 and concluded at Puri, Odisha.

82. Ans. D.

* Indian Under-19 cricket team represents India in cricket at Under-19 level.

* Indian team has won four Under-19 World Cups and has the best win percentage in ODIs (77%) among all Under-19 national teams.

* Priyam Garg is currently the captain of Indian team in ICC U-19 cricket world cup.

83. Ans. B.

* Novak Djokovic has won Men's single title in Australian Open 2020, defeating Dominic Thiem in the final by 6-4, 4-6, 2-6, 6-3, 6-4.[2]

* It was his eighth Australian Open and 17th Grand Slam singles title, Djokovic also regained the ATP no. 1 singles ranking from Rafael Nadal.

84. Ans. C.

* R.K Pachauri who recently passed away was the Chief Executive of The Energy and Resources Institute (TERI) since 1981 and led the institute for more than three decades and demitted office as Executive Vice Chairman of TERI in 2016.

85. Ans. B.

* 'Ajeya Warrior' exercise is being held between India and United Kingdom.

* The fifth edition of India-UK joint military exercise 'Ajeya Warrior' was conducted at Salisbury Plains, United Kingdom

* It was conducted from 13th to 26th February, 2020

* Aim of this exercise is to conduct army level joint training with emphasis on counter terrorism operations.

86. Ans. C.

* Bhabha Atomic Research Centre (BARC) has developed India's lightest level III plus bullet proof jacket (6.8 kgs nominal weight), which is named as Bhabha Kavach.

* This jacket is based on indigenous hot pressed boron carbide and carbon nanotube technologies.

* It has qualified all the ballistic tests required as per the National Institute of Justice (NIJ) and the new Bureau of Indian Standards (BIS).

87. Ans. A.

* Parasite became the first non-English language film to win Best Picture at Oscars 2020.

* Academy of Motion Picture Arts and Sciences (AMPAS) presented Oscars 2020 (92nd Academy Awards).

88. Ans. E.

* Addis Ababa is the capital and largest city of Ethiopia.

* It is located on a well-watered plateau surrounded by hills and mountains, in the geographic centre Ethiopia.

89. Ans. C.

* India signed Memorandum of Understanding (MoU) with Iceland in the field of Fisheries.

* MoU will facilitate creation of facilities for exchange of scientists and technical experts and their proper placement, especially in areas of estimating Total Allowable Catches in off shore and deep sea areas.

90. Ans. A.

* According to Public Enterprises Survey tabled in Parliament, Oil and Natural Gas Corporation (ONGC), Indian Oil Corporation Ltd (IOCL) and National Thermal Power Corporation (NTPC) were the top three profitable PSUs in 2018-19

* BSNL, Air India and MTNL incurred highest losses for a third consecutive year, according to a survey 2018-19.

91. Ans. B.

* Khadi and Village Industries Commission (KVIC) has designed a unique concept 'Apiary on Wheels' for the easy upkeep and migration of bee boxes having live bee colonies.

* It has been flagged off in Delhi by Union Minister of MSME, Road Transport & Highways, Nitin Gadkari.

92. Ans. C.

* Kaamya Karthikeyan became the youngest girl in the world to summit Mt Aconcagua, the highest peak in South America.

* She is a class seven student of Navy Children School (NCS) in Mumbai

* Mt. Aconcagua is the highest peak outside Asia at 6962 metres.

93. Ans. A.

* The official names for Corona Virus as issued by WHO (World Health Organization) are COVID-19 and SARS-CoV-2 on 11 February 2020.

94. Ans. D.

* Marcelo Rebelo de Sousa has been elected as the President for a second term as Portugal in the first round of voting.

95. Ans. D.

* Army's College of Military Engineering jointly with a private firm has developed "Parth" gunshot locator device

* It costs much cheaper than the imported ones.

* The device costs around Rs 3 lakhs, and if inducted, would replace a similar imported item which costs around Rs 65 lakhs.

96. Ans. B.

* Theme of UN International Day of Education 2020 is 'Learning for people, planet, prosperity and peace'.

* The theme highlights the integrated nature of education, its humanistic aims, as well as its centrality to our collective development ambitions.

97. Ans. A.

* UNESCO World Heritage Site Buddhist Monuments 'Hōryū-ji Area' is located at Hōryū-ji and Hokki-ji in Ikaruga, Nara Prefecture, Japan.

* These buildings were designated in 1993 along with the surrounding landscape, under several criteria.

98. Ans. A.

* Amazon has invested Rs 11,624 crore (\$1.6 billion) for setting up of two data centres on the outskirts of Hyderabad in Ranga Reddy district.

* More than 90 per cent of the investment would go towards the high-end computer and storage equipment that would be housed at these two data centres.

99. Ans. A.

* President Ram Nath Kovind has released mobile app of Red Cross Society of India in Hyderabad, Telangana

* The app has been developed by the Telangana Centre for Good Governance in less than three months, the mobile app is accessible in all languages.

100. Ans. B.

• Noted Malayalam poet Akkitham Achuthan Namboodiri (known as 'Akkitham'- 93 years) has been declared the recipient of the 55th Jnanpith Award (country's highest literary honour) for the year 2019.

• His work includes Irupatham Noottandinte Ithihasam, or the legend of the 20th century, which is considered to have brought modernism into Malayalam poetry.

• Akkitham is the 6th Malayalam writer to be conferred this award.

• Akkitham Achuthan Namboodiri is the recipient of the Padma Shri (in 2017), Kerala Sahitya Academy Award (in 1971), the Sahitya Academy Award (in 1973), and the Vayalar Award (in 2012).

• Writer Amitav Ghosh was the recipient of the Jnanpith Award in 2018.

101. Ans. D.

• **Data inconsistency** is a condition that occurs between files when similar data is kept in different formats in two different files, or when matching of data must be done between files.

• As a result of the data inconsistency, these files duplicate some data such as addresses and names, compromising data integrity.

102. Ans. A.

A programme that automatically fetches Web pages. Spiders are used to feed pages to search engines. It's called a spider because it crawls over the Web another term for these programmes is Web Crawler.

103. Ans. C.

WAP (Wireless Application Protocol) is a **technical standard** for accessing information over a **mobile** wireless network.

104. Ans. A.

A software **bug** is an error, flaw, failure or fault in a computer program or system that causes it to produce an **incorrect** or unexpected result, or to behave in unintended ways.

105. Ans. A.

Data mining is the computational process of discovering patterns in large data sets involving methods at the intersection of artificial intelligence, machine learning, statistics, and database systems.

Note: The overall goal of the data mining process is to extract information from a data set and transform it into an understandable structure for further use.

106. Ans. A.

Mainframe computers are computers used primarily by **large organizations** for critical applications, bulk data processing such as census, industry and consumer statistics, enterprise resource planning and transaction processing, etc.

107. Ans. D.

URL is an acronym for **Uniform Resource Locator** and is a reference to a resource on the Internet. A **URL** has **two main** components: **Protocol identifier**: For the URL <https://gradeup.co>, the protocol identifier is **http**. **Resource name**: For the URL <https://gradeup.co>, the resource name is **gradeup.co**

108. Ans. B.

- Disk **formatting** is the process of preparing a **data storage device** such as a **hard disk drive**, solid-state drive, **floppy disk** or **USB flash drive** for initial use.
- In some cases, the formatting operation may also create one or more new file systems.

109. Ans. A.

In computer science, thrashing occurs when a computer's virtual memory subsystem is in a constant state of paging, rapidly exchanging data in memory for data on disk, to the exclusion of most application-level processing. This causes the performance of the computer to degrade or collapse.

110. Ans. C.

Information from the **database** is organized in a nice presentation that can be printed in an **Access Report**.

111. Ans. B.

The physical arrangement of elements on a page is referred to as a document's **format**.

Note:- A document file format is a text or binary file format for storing

documents on a storage media, especially for use by computers.

112. Ans. A.

Cyberterrorism is the act of Internet terrorism in terrorist activities, including acts of deliberate, large-scale disruption of computer networks, especially of personal computers attached to the Internet, by the means of tools such as computer viruses.

113. Ans. A.

A **password** is the **secret code** that restricts entry to some programs. It is a without spaced sequence of **characters used** to determine that a computer user **requesting access** to a computer system is really that particular user.

114. Ans. A.

In computing, a **hyperlink** is a reference to data that the reader can **directly follow** either by clicking or by hovering.

Note:- A hyperlink points to a whole document or to a specific element within a document. Hypertext is text with hyperlinks.

115. Ans. A.

Cryptography is the science of providing security for information. It has been used historically as a means of providing secure communication between individuals, government agencies and **military forces**. Today, cryptography is a cornerstone of the modern security technologies used to protect information and resources on both open and closed networks.

116. Ans. B.

End user query tool performs data retrievals data analysis and data mining tasks using the data in the data store and business data analysis models. This component is used by the data analyst to create the queries that access the database.

117. Ans. B.

PDF stands for "**portable document format**". It was introduced to ease the **sharing of documents** between **computers** and across **operating system platforms** when you need to save files that cannot be modified but still need to be **easily shared** and printed.

118. Ans. A.

Normalization is the process of restructuring the logical data model of a database to eliminate redundancy, organize data efficiently and reduce repeating data and to reduce the potential for anomalies during data operations.

119. Ans. B.

Bus Topology is the simplest of **network topologies**. All the nodes are connected to the **single cable** by the help of **interface** connectors. This **central cable** is the backbone of **the network** and is known as **Bus**.

120. Ans. A.

By viewing the properties of the local hard disk of a computer, the user can find out both the used **amount of space** and the remaining **free space** on the disk.

121. Ans. B.

- West Bengal is the largest producer of rice in India.
- Rice is regarded as the master crop of coastal India and in few regions of eastern India.
- Rice is the basic food crop and being a tropical plant, it flourishes comfortably in hot and humid climate. Rice is mainly grown in rain fed areas that receive heavy annual rainfall.

122. Ans. C.

- Intensive agriculture is a system of cultivation using large amounts of labour and capital relative to land area.
- Large amounts of labour and capital are necessary to the application of fertilizer, insecticides, fungicides, and

herbicides to growing crops, and capital is particularly important to the acquisition and maintenance of high-efficiency machinery.

123. Ans. A.

- Sericulture is the production of raw silk by means of raising caterpillars (larvae), particularly those of the domesticated silkworm (Bombyx mori).
- It involves two processes: Care of the silkworm from the egg stage through completion of the cocoon.

124. Ans. D.

- PMKSY has the following components:

- **Accelerated Irrigation Benefit Programme (AIBP)**: It focuses on faster completion of ongoing Major and Medium Irrigation including National Projects.

- **Har Khet ko Pani**: Creation of new water sources through Minor Irrigation (both surface and ground water), Repair, restoration and renovation of water bodies, Creating and rejuvenating traditional water storage systems, etc

- **Per Drop More Crop**

- **Watershed Development**: Effective management of runoff water and improved soil & moisture conservation activities and Converging with MGNREGS for creation of water source.

125. Ans. E.

- Fifth edition of biennial global pulses conference, 'The Pulses Conclave' was held from February 12th to 14th, 2020 at Amby Valley City in Lonavala, Maharashtra.

- It was organized by India Pulses and Grains Association (IPGA), the nodal body for India's pulses trade and industry.

126. Ans. D.

- Provisions of loans and subsidies is an institutional reform.

- Improved tools and mechanization, Transport and Communication, Irrigation Development, Certified Seed Distribution, Development of surface and ground water irrigation and rural electrification are the technological reforms.

127. Ans. E.

- 6th World Congress on Rural and Agricultural Finance was recently held in Delhi.

- It was jointly organized by National Bank for Agriculture and Rural Development (NABARD) and Asia - Pacific Rural Agricultural and Credit Association (APRACA) on 12th and 13th November.

- It aims at bringing together stakeholders of rural and agricultural finance all over the world.

128. Ans. C.

- GOBAR-DHAN stands for Galvanizing Organic Bio-Agro Resources Dhan (GOBAR-DHAN)

- The scheme is implemented under Swachh Bharat Mission Gramin-Phase 2, by the Department of Drinking Water and Sanitation under the Jal Shakti ministry.

- It to augment income of farmers by converting biodegradable waste into compressed biogas (CBG).

129. Ans. A.

- Total horticulture production in 2019-20 is expected to be 313.35 million tonnes (mt), about 0.84% higher than 2018-19, according to first advance estimates.

- As per the final estimates, the total horticulture production of the country in 2018-19 was estimated to be 310.74 mt.

130. Ans. D.

- Contour farming is the practice of tilling sloped land along lines of consistent elevation in order to conserve rainwater and to reduce soil losses from surface erosion.

- It has been proved to reduce fertilizer loss, power and time consumption, and wear on machines, as well as to increase crop yields and reduce erosion.

131. Ans. C.

- Rural Infrastructure Development Fund (RIDF) Deposits are drawn from banks who have already defaulted in priority sector lending.

132. Ans. A.

- First Advance Estimates of production of major Kharif crops for 2019-20 have been released by the Department of Agriculture, Cooperation and Farmers Welfare

- As per First Advance Estimates, the estimated production of foodgrains crops is estimated at 140.57 million during Kharif 2019-20 showing decline from 141.71 million tonnes in kharif 2018-19.

133. Ans. B.

- World Bank on Wednesday cut India's growth for financial year 2020 to 5% from 6% estimated earlier, a day after the country's statistics office pegged growth in the current financial year at 5%.

134. Ans. E.

- * Rashtriya Gram Swaraj Abhiyan (RGSA) is designed to strengthen Gram Sabhas to function as effective institutions with social inclusion of citizens particularly the vulnerable groups.

- * Sunset date for RGSA will be 31st March 2030.

135. Ans. D.

- * Third industrial policy will replace the industrial policy of 1991 which was prepared in the backdrop of the balance of payment crisis.

- * First industrial policy was launched in 1956.

- * DPIIT had initiated the process of formulation of a new industrial policy

in May 2017 and will subsume the National Manufacturing Policy (NMP).

136. Ans. B.

* The 50th edition of the 2020 World Economic Forum (WEF) annual meeting was held in Davos, Switzerland from January 21-24, 2020.

* The theme for World Economic Forum 2020 was "Stakeholders for a Cohesive and Sustainable World".

137. Ans. C.

* Government has extend the final deadline of National Company Law Tribunal (NCLT) for resolution of insolvency and bankruptcy cases from the current 270 days to 330 days.

138. Ans. B.

* IMF lowered down the 2019 growth forecast of India to 4.8% for this fiscal year due to the crisis in the non-banking financial sector and weak rural demand.

139. Ans. C.

* National Bank for Agriculture and Rural Development (NABARD) is planning to raise Rs 55,000 crore from the domestic market in the current financial year to fund its organisation's growth and also support various agricultural and rural development schemes of the government.

* It will raise this funds through long term bonds for 10-15 years tenures.

140. Ans. A.

* Deendayal Antyodaya Yojana – National Rural Livelihood Mission (DAY-NRLM) aims to alleviate rural poverty and create sustainable livelihood opportunities for the rural poor.

* This mission is launched by Ministry of Rural Development.

141. Ans. B.

* Draft National Education Policy 2019 is based on five pillars of

"access, equity, quality, affordability, accountability" and will transform India into a "vibrant knowledge hub.

142. Ans. D.

* Maharashtra had the highest gross state domestic product in financial year 2019, valued at over 26.3 trillion Indian rupees.

* Maharashtra is being followed by Uttar Pradesh and Tamil Nadu.

143. Ans. D.

* Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY) is the skill and placement initiative of the Ministry of Rural Development.

* It aims to target youth, in the age group of 15–35 years.

* It is a part of the National Rural Livelihood Mission (NRLM).

144. Ans. D.

* The 'Agriculture Export Policy, 2019' aim to double farm exports to \$60 billion by 2022 from \$30 billion last year, and will invest Rs 1,400 crore to set up specialised clusters in different states for different produce to push exports.

145. Ans. B.

* Retail inflation in India rises to about five-and-half year high in December 2019 to 7.35% surpassing the RBI's comfort level, mainly due to spiralling prices of vegetables as onions were selling costlier.

146. Ans. A.

* Saansad Adarsh Gram Yojana (SAGY) was launched on 11th October 2014

* Under SAGY, each Member of Parliament adopts a Gram Panchayat and guides its holistic progress giving importance for social development at par with infrastructure.

* Its distinct feature are:

* Demand Driven

* Inspired by Society

* Based on People's Participation

147. Ans. B.

* Share of services sector in the Indian economy has continued accounts for around 55% of total size of the economy and GVA growth, two-thirds of total FDI inflows into India and about 38 % of total exports.

* The share of services sector now exceeds 50 per cent of Gross State Value Added in 15 out of the 33 states and UTs.

148. Ans. B.

* Pradhan Mantri Gram Sadak Yojana (PMGSY) was launched, as a one-time special intervention to provide rural connectivity, by way of a single all-weather road, to the eligible unconnected habitations of designated population size (500+ in plain areas and 250+ in North-Eastern States, Himalayan States, Deserts and Tribal Areas as per 2001 census)

* Setu Bharatam Programme is to make all national highways free of railway crossings

* VAHAN (an ICT-based solution for vehicle registration) and SARATHI (for licencing) apps have been launched to curb malpractices in issuing licences and vehicle registration.

149. Ans. C.

* Food and Agriculture Organisation (FAO) has announced 2023 as the International Year of Millets.

* Millet is a collective term referring to various small-seeded annual grasses that are cultivated as grain crops, primarily on marginal lands in dry areas in temperate, subtropical and tropical regions.

150. Ans. B.

* Pradhan Mantri Kisan Maan-Dhan Yojana (PM-KMY) aims to secure the lives of 5 crore small and marginal farmers by providing them a minimum pension of ₹3000 per

month, who attains the age of 60 years.

* Age eligibility for PM-KMY: 18 to 40 years.

151. Ans. A.

* National Institution for Transforming India (NITI) Aayog releases Agricultural Marketing & Farm Friendly Reforms Index (AMFFRI)

* AMFFRI is an index which compares the status of reforms in the agriculture sector across all the states and UTs in the country.

* The first-ever index was released in October 2016.

152. Ans. C.

* As per the World Economic Forum's Global Risks report 2020, top 5 risk factors belongs to environment or climate change.

153. Ans. D.

* 124th amendment bill seeks to amend the Constitution to provide 10 per cent reservation in jobs and educational institutions to economically backward sections in the general category.

* Eligibility criteris for EWS quota:

* Candidate's annual family income must be less than Rs. 8 lakhs per annum.

* Family must not own more than 5 acres of agriculture land.

* Residential flat area should be below 1000 sq ft.

154. Ans. C.

* As per the Economic Survey 2019-20, GDP growth rate of India is 4.8 %, amidst a weak environment for global manufacturing, trade and demand.

155. Ans. C.

* Mega Food Park Scheme that provide finance to set up food processing units, facilitate grant-in-aid at 50% of eligible project cost in general areas and at 75% of eligible project cost in the North East Region

and difficult areas (Hilly States and ITDP areas) subject to maximum of Rs.50 crores per project.

156. Ans. A.

* NITI Aayog's Transformation of Aspirational Districts' initiative was launched in 2018 to improve the rank of India Human Development Index.

* It aims to remove this heterogeneity through a mass movement to quickly and effectively transform these districts.

157. Ans. B.

• India was ranked 129 out of 189 countries on the 2019 Human Development Index (HDI) improving from the 130th position in 2018.

• HDI is part of the Human Development Report that is published by the United Nations Development Programme (UNDP).

• Norway, Switzerland, Ireland are the top three nations on the index.

• Germany occupies the fourth position along with Hong Kong, and Australia secured the fifth rank on the global ranking.

• India's neighbours Sri Lanka and China ranked higher, at 71 and 85 positions, respectively.

• HDI emphasizes that people and their capabilities should be the ultimate criteria for assessing the development of a country, not economic growth alone.

• HDI measures average achievement of a country in three basic dimensions of human development:

- 1) A long and healthy life,
- 2) Access to knowledge, and
- 3) A decent standard of living.

158. Ans. D.

Desert Development Programme, Drought Prone Area Development Programme and INtergrated Watershed Development Programme were consolidated under this component. The scheme doesn't

follow a cluster based approach which is followed in Rurban Mission or PKVY.
159. Ans. D.

• LibTech India had recently conducted a study on MGNREGS that showed the following:

o For most rural workers dependent on the MGNREGS, their labour does not end at the work site.

o Many of them are forced to make multiple trips to the bank, adding travel costs and income losses, and face repeated rejections of payment, biometric errors and wrong information, just to get their hands on their wages.

o MGNREGS: 100 days of wage employment in rural India

o The study was conducted initially in Andhra Pradesh, Jharkhand and Rajasthan.

160. Ans. A.

The World Bank is an international financial institution that provides loans and grants to the governments of the poorer countries for the purpose of pursuing capital projects.

• It comprises two institutions:

• The International Bank for Reconstruction and Development (IBRD) and

• The International Development Association (IDA).

• The World Bank is a component of the World Bank Group, which has five organizations, including the International Bank for Reconstruction and Development (IBRD), the International Development Association (IDA), the International Finance Corporation (IFC), the Multilateral Investment Guarantee Agency (MIGA) and the International Centre for Settlement of Investment Disputes (ICSID).

161. Ans. A.

Most alluvial soils are derived from the sediment being deposited by the

river Ganga in the Indo-Gangetic plain, ranging from Punjab in the west to West Bengal and Assam in the east, as well as in the coastal areas of northern parts of Gujarat, Narmada, and Tapi valleys, which are formed by sea waves. The alluvial soil found in India, particularly in the Indo-Gangetic plain, is of two types: khaddar (pale brown, sandy clays to loamy, less calcareous and carbonaceous soil, and found in the low areas of valley that are regularly flooded) and older bhangar soils.

162. Ans. D.

- The government is committed to doubling farmers' income by 2022 and the budget aims to boost the income of people and enhance their purchasing power. Union Finance Minister Nirmala Sitharaman announced in Budget 2020.

- Announcing 16 action points plan for farmers, towards the goal of doubling farmers income she said that these measures are underlined by the FM for the agriculture sector.

- Farm markets need to be liberalized, farming need to be made more competitive, handholding of farm-based activities need to be provided, sustainable cropping patterns and more technology needed.

163. Ans. C.

Potato is grown almost in all states of India. However, the major potato growing states are Himachal Pradesh, Punjab, Uttar Pradesh, Madhya Pradesh, Gujarat, Maharashtra, Karnataka, West Bengal, Bihar and Assam.

164. Ans. A.

- Groundnut rosette virus (GRV) is a peanut pathogenic virus found in Sub-Saharan Africa. It is transmitted between plants by insect vectors such

as the groundnut aphid (*Aphis craccivora*).

- Rosette is the most destructive disease of groundnut in Africa. The disease is endemic to sub-Saharan Africa and its off-shore islands, including Madagascar.

- Two main forms of the disease, chlorotic rosette and green rosette have been described based on symptoms. The disease is caused by a complex of three agents: groundnut rosette virus (GRV), and its satellite RNA (sat RNA), and groundnut rosette assistor virus (GRAV). The groundnut aphid, *Aphis craccivora*, is the principal vector of the disease.

165. Ans. B.

- Cotton is the world's most popular natural fiber. The fruit of the plant, better known as the cotton boll, provides the fiber – the fiber of a thousand faces and almost as many uses, the fibers which the ancients called "white gold" because it was so valuable.

166. Ans. A.

Born into a poor family in a tribal-dominated village in Koraput district, Odisha, Kamala Pujari has always been fascinated with traditional paddy seeds. This led to her cultivating paddy in her land so that she could preserve these grains for further germination. Over the years, Kamala has successfully preserved hundreds of indigenous paddies, and has also collected several endangered and rare types of seeds including paddy, turmeric, tili, black cumin, and mahakanta. Often called "preserver of paddy seeds", Kamala's efforts were recognised on a national level when President Ram Nath Kovind conferred her with the Padma Shri

167. Ans. A.

- The Pradhan Mantri Kisan Samman Nidhi Yojana (PM-Kisan Yojana) is a

government scheme through which, all small and marginal farmers will get up to Rs 6,000 per year as minimum income support.

- The PM Kisan Yojana came into effect from December 1, 2018. It was launched by prime minister Narendra Modi-led government.

- Under the PM Kisan Yojana, income support of Rs 6000 per annum is provided to all eligible farmer families across the country in three equal installments of Rs 2,000 each every four months. The scheme defines family as husband, wife and minor children. The fund of Rs 2,000 is directly transferred to the bank accounts of the farmers/farmer's family.

168. Ans. A.

- The operating ratio is the percentage which operating expenses absorb out of gross profit. It shows the proportion of total income used in (1) hiring labour (2) buying seeds, fuel and other annual supplies and (3) in keeping equipment in operation, etc.

169. Ans. A.

- The total horticulture production of the country is estimated to be at 314.87 million tonnes which is 1.01 per cent higher than horticulture production in 2017-18.

- The area under horticulture crop also rose to 25.6 million hectare from 25.43 million hectare.

- Under the horticulture crops, production of fruits is estimated to be around 97.38 million tonnes in 2018-19 compared to 97.36 million tonnes in the previous year.

- Vegetables production is estimated to rise 1.6 per cent at around 187.36 million tonnes.

- As per the data, spices Production is estimated to be around 8.61 million

tonnes, which is 6.01 per cent higher than 2017-18.

170. Ans. A.

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171. Ans. C.

- Pradhan Mantri Annadata Aay SanraksHan Abhiyan (PM-AASHA) is an umbrella scheme aimed at ensuring remunerative prices to the farmers for their produce.

- The new Umbrella Scheme includes the mechanism of ensuring remunerative prices to the farmers and is comprised of:

1. Price Support Scheme (PSS) - In Price Support Scheme (PSS), physical procurement of pulses, oilseeds and Copra will be done by Central Nodal Agencies with proactive role of State governments.

2. Price Deficiency Payment Scheme (PDPS)- Under Price Deficiency Payment Scheme this scheme (PDPS), it is proposed to cover all oilseeds for which MSP is notified. In this direct payment of the difference between the MSP and the selling/modal price will be made to pre-registered farmers selling his

produce in the notified market yard through a transparent auction process.

3. Pilot of Private Procurement & Stockist Scheme (PPPS): It has also been decided that participation of private sector in procurement operation needs to be piloted so that on the basis of learnings the ambit of private participation in procurement operations may be increased. Therefore, in addition to PDPS, it has been decided that for oilseeds, states have the option to roll out Private Procurement Stockist Scheme (PPSS) on pilot basis in selected district/APMC(s) of district involving the participation of private stockiest.

172. Ans. A.

- Balwant Rai Mehta Committee was appointed in 1957, to examine and suggest measures for better working of the Community Development Programme and the National Extension Service. The committee suggested the establishment of a democratic decentralised local government which came to be known as the Panchayati Raj.

- Recommendations by the Committee:

- Three-tier Panchayati Raj system: Gram Panchayat, Panchayat Samiti and Zila Parishad.

- Directly elected representatives to constitute the gram panchayat and indirectly elected representatives to constitute the Panchayat Samiti and Zila Parishad.

- Planning and development are the primary objectives of the Panchayati Raj system.

- Panchayat Samiti should be the executive body and Zila Parishad will act as the advisory and supervisory body.

- District Collector to be made the chairman of the Zila Parishad.

- It also requested for provisioning resources so as to help them discharge their duties and responsibilities.

173. Ans. B.

- The water holding capacity is highest in sandy soil clay soil loamy soil or mixture of sand and loam, so it is highest in clay soil.

- They have the capacity to retain water. In comparison, the soil has other types of particles that are larger and have a strong drainage quality.

174. Ans. E.

Under the Sub-Mission on Agricultural Mechanization being implemented by the Department of Agriculture, Cooperation & Farmers Welfare, subsidy @ 40% of the project cost limited to a maximum of Rs. 24 lakhs, whichever is less, is extended to the rural entrepreneurs, progressive farmer and self help groups for establishment of farm machinery banks for custom hiring comprising of various agricultural machinery & equipment including combine harvester.

175. Ans. A.

- The Commission for Agricultural Costs & Prices (CACP) in the Ministry of Agriculture would recommend MSPs for 23 crops. These included 14 grown during the kharif/post-monsoon season and six in rabi/winter (wheat, barley, chana, masur, mustard and safflower), apart from sugarcane, jute and copra. The CACP considered various factors while recommending the MSP for a commodity, including cost of cultivation.

- The Budget for 2018-19 announced that MSPs would henceforth be fixed at 1½ times of the production costs for crops as a "pre-determined principle". Simply put, the CACP's job now was only to estimate production

costs for a season and recommend the MSPs by applying the 1.5-times formula.

176. Ans. B.

- Catadromous fishes, which spend most of their lives in freshwater and migrate to the sea to reproduce. Catadromy appears to be more prevalent in the tropics, and anadromy more common at higher latitudes.

- Anadromous fishes, including many salmonids, lampreys, shad, and sturgeon, spend most of their lives in the sea and migrate to freshwater to reproduce.

177. Ans. A.

- Black soil is known as self ploughing soil due to the following reasons:

- It is a clayey soil

- It contains or retains moisture in it

- Comprises of rich nutrients like magnesium and potassium

- It also develops cracks during summer that helps to expose to sunlight and water during monsoon

- It can retain water up to high capacity

- Swells and becomes sticky when wet

- Due to all the above-mentioned reasons, the cultivation and ploughing process for the farmers becomes easy and the crop grows well as compared to the crops on other soil. Black soil is best for growing cotton. Other than cotton sugarcane, wheat, cereals, millets are also cultivated on this black soil.

178. Ans. E.

- In order to give relief to small and marginal farmers who would have to borrow at 9% for the post harvest storage of their produce, the Central Government has approved an interest subvention of 2% i.e an effective interest rate of 7% for loans upto 6 months. Subvention (incentive) for prompt repayment will not be

available to the farmers for loans extended against NWRs.

179. Ans. A.

- Deen Dayal Antyodaya Yojana - National Livelihoods Mission (NRLM) was launched by the Ministry of Rural Development (MoRD), Government of India in June 2011 as a restructured version of Swarna Jayanti Gram Swarozgar Yojna (SGSY).

- The Mission aims at creating efficient and effective institutional platforms of the rural poor enabling them to increase household income through sustainable livelihood enhancements and improved access to financial services. In November 2015, the program was renamed Deendayal Antayodaya Yojana (DAY-NRLM).

- The scheme is integration of the National Urban Livelihoods Mission (NULM) and National Rural Livelihoods Mission (NRLM).

- The scheme has two component one for urban India and other for rural India.

- The Urban component named as Deen Dayal Antyodaya Yojana will be implemented by the Ministry of Housing and Urban Poverty Alleviation.

- The rural component named as Deen Dayal Upadhyaya Grameen Kaushalya Yojana will be implemented by the Ministry of Rural Development.

180. Ans. D.

- To ensure financial inclusion to the last-mile consumers bereft of digital payments or even ATMs at the least, the Reserve Bank of India came up with the Business Correspondents (BC) model in 2006.

181. Ans. D.

- Six states with Karnataka in the lead are the major producers of sunflower in the country. Karnataka with a

production of 3.04 lakh tonnes from an area of 7.94 lakh hectares followed by Andhra Pradesh, Maharashtra, Bihar, Orissa and Tamil Nadu are major sunflower producing states of India.

182. Ans. A.

- High winds, low precipitation, high evapotranspiration, reduced vegetable cover and limited development are the main drivers of wind erosion in arid and semi-arid region.

- Rate of wind erosion in the order of arid>semiarid>dry>subhumid area>Humid Area.

183. Ans. A.

- The Mahatma Gandhi National Rural Employment Guarantee Scheme is open to all rural households in the areas notified by the Government of India. The entitlement of 100 days of guaranteed employment in a financial year is in terms of a household. This entitlement of 100 days per year can be shared within the household.

184. Ans. B.

- Carbon dioxide (CO₂) makes up the vast majority of greenhouse gas emissions from the sector, but smaller amounts of methane (CH₄) and nitrous oxide (N₂O) are also emitted. These gases are released during the combustion of fossil fuels, such as coal, oil, and natural gas, to produce electricity.

185. Ans. A.

- Newcastle Disease or Ranikhet disease is a highly contagious (Sudden, Severe and rapidly spreading) viral disease affecting poultry of all ages. Affected species include chickens, turkeys, pigeons and ducks. It causes production drops/fertility problems.

186. Ans. D.

- Layer poultry farming means raising egg laying poultry birds for the

purpose of commercial egg production.

- Layer chickens are such a special species of hens, which need to be raised from when they are one day old.

- They start laying eggs commercially from 18-19 weeks of age. They remain laying eggs continuously till their 72-78 weeks of age.

- They can produce about one kg of eggs by consuming about 2.25 kg of food during their egg laying period.

- For the purpose of producing hybrid eggs layer, consider the various characteristics of cock and hen before breeding. There are various types of highly egg productive layer breeds available throughout the world.

187. Ans. B.

- Potassium requirement by the crop in general is greater than nitrogen or phosphorus. For sugar synthesis and its translocation to the storage tissue, potassium is highly important. Potassium gives resistance to sugarcane against pests and disease attack and lodging.

188. Ans. A.

- Culturable Command Area (CCA) of more than 10,000 hectares each are classified as major projects,

- Those having a CCA between 2,000 hectares and 10,000 hectares fall under the category of medium irrigation projects.

- And the projects which have a CCA of less than 2,000 hectares are classified as minor irrigation schemes.

189. Ans. A.

- Sugarcane is among the most efficient crops in the world in converting energy from sunlight into chemical energy that is usable as a fuel source.

190. Ans. C.

- Swasth Dharaa. Khet Haraa is the tagline of the Soil Health Card Scheme.

- Soil Health Card (SHC) is a printed report that a farmer will be handed over for each of his holdings. It will contain the status of his soil with respect to 12 parameters, namely N, P, K (Macro-nutrients); S (Secondary- nutrient); Zn, Fe, Cu, Mn, Bo (Micronutrients); and pH, EC, OC (Physical parameters). Based on this, the SHC will also indicate fertilizer recommendations and soil amendment required for the farm.

191. Ans. C.

- According to India Meteorological Department (IMD), a rainy day has been defined as a day with rainfall of 2.5 mm or more rainfall.

- IMD further defines that rainfall for a station is called heavy if it is greater than 650 mm and very heavy if it is greater than 1300 mm.

192. Ans. D.

- Trap cropping is the planting of a trap crop to protect the main cash crop from a certain pest or several pests. The trap crop can be from the same or different family group, than that of the main crop, as long as it is more attractive to the pest.

- There are two types of planting the trap crops; perimeter trap cropping and row intercropping. Perimeter trap cropping (border trap cropping) is the planting of trap crop completely surrounding the main cash crop. It prevents a pest attack that comes from all sides of the field. It works best on pests that are found near the borderline of the farm. Row intercropping is the planting of the trap crop in alternating rows within the main crop.

193. Ans. A.

- Chokla also known as Chhappar and Shekhawati is native to the districts of

Churu, Nagaur and Sikar in Rajasthan.

- Chokla is perhaps the finest carpet-wool breed, although most Chokla wool is now being diverted to the worsted sector because of a dearth of fine apparel-wool in the country.

194. Ans. D.

- Tamil Nadu has emerged as the topper in coverage of area under micro-irrigation (MI).

- Of about 3.64 lakh hectares brought under MI, Tamil Nadu accounts for around 1.39 lakh hectares, accounting for 38% of the total coverage in the country, according to the website of the Pradhan Mantri Krishi Sinchayee Yojana (<https://pmksy.gov.in>), a scheme aimed at improving on-farm water use efficiency through a number of measures such as MI.

- Gujarat comes next to Tamil Nadu with a coverage of 77,858 hectares and Andhra Pradesh, 52,027 hectares. Maharashtra comes fourth with around 36,831 hectares and Uttar Pradesh with 25,680 hectares.

195. Ans. A.

- Elephant grass (*Pennisetum purpureum* Schumach.) is a major tropical grass. It is one of the highest yielding tropical grasses. It is a very versatile species that can be grown under a wide range of conditions and systems: dry or wet conditions, smallholder or larger scale agriculture.

196. Ans. B.

- The Forward Markets Commission (FMC) was the chief regulator of commodity futures markets in India.

- On 28 September 2015, the FMC was merged with the Securities and Exchange Board of India (SEBI).

- So now SEBI is the regulator of commodity exchange.

197. Ans. A.

- In India, opium poppy involves lancing and collection of latex from the incised capsule. It is laborious and skilled job requiring considerable manpower to accomplish the task in a short time span. The capsule is the most important organ of the plant as it provides raw opium - a milky exudate.

198. Ans. A.

- A Committee chaired by Dr Ashok Dalwai, was set up at the Ministry of Agriculture and Farmers Welfare, Government of India, in April 2016 to look into various aspects of growth in farmers' income. The Committee has adopted NCAER as one of the knowledge partners in this work. The Report of the Committee is structured through 14 volumes. The draft versions of the first four volumes of the "Strategy for Doubling Farmers' Income by 2022" have been uploaded on the website of the Department of Agriculture Cooperation & Farmers Welfare.

199. Ans. A.

- A great advantage of crop rotation comes from the interrelationship of nitrogen-fixing crops with nitrogen-demanding crops. Legumes, like alfalfa and clover, collect available nitrogen from the atmosphere and store it in nodules on their root structure.

200. Ans. B.

- When the shoots (primaries) grow in a tea bush after pruning or skiffing, they are tipped or decapitated at a predetermined height parallel to the ground surface. This operation is called "Tipping".

- Essentially the initial few rounds of plucking are called tipping.