



**OPSC
WALLAH**



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OPSC 2024

OPSC CSAT PRELIMS EXAMINATION

15th December 2024

ANSWER KEY

**OPSC CSAT Answer Key**

Q. No	Ans	Q. No	Ans	Q. No	Ans	Q. No	Ans
1	(C)	21	(B)	41	(C)	61	(C)
2	(D)	22	(D)	42	(B)	62	(B)
3	(A)	23	(B)	43	(A)	63	(B)
4	(D)	24	(C)	44	(D)	64	(C)
5	(B)	25	(C)	45	(C)	65	(B)
6	(A)	26	(B)	46	(B)	66	(C)
7	(C)	27	(B)	47	(C)	67	(B)
8	(B)	28	(A)	48	(C)	68	(A)
9	(C)	29	(B)	49	(D)	69	(C)
10	(D)	30	(D)	50	(B)	70	(B)
11	(A)	31	(B)	51	(D)	71	(D)
12	(B)	32	(D)	52	(C)	72	(C)
13	(C)	33	(D)	53	(C)	73	(C)
14	(B)	34	(C)	54	(C)	74	(A)
15	(B)	35	(D)	55	(C)	75	(D)
16	(B)	36	(B)	56	(B)	76	(D)
17	(A)	37	(A)	57	(B)	77	(D)
18	(D)	38	(*)	58	(A)	78	(D)
19	(B)	39	(C)	59	(D)	79	(A)
20	(C)	40	(C)	60	(A)	80	(B)

Direction (Q. Nos. 1-5): Study the following information to answer the given questions:

- (a) Eight persons E, F, G, H, I, J, K and L are seated around a square table- two on each side.
- (b) There are three lady members and they are not seated next to each other.
- (c) J is between L and F.
- (d) G is between I and F.
- (e) H, a lady member, is second to the left of J.
- (f) F, a male member, is seated opposite to E, a lady member.
- (g) There is a lady member between F and I

1. How many people are seated between K and F?

- (A) One
- (B) Two
- (C) Three**
- (D) Cannot be determined

2. Who among the following are the three lady members?

- (A) E, H and J
- (B) E, G and J
- (C) G, H and J
- (D) H, E and G**

3. Which of the following is true about J?

- (A) J is a male member**
- (B) J is a female member
- (C) Gender of J cannot be determined J cannot be
- (D) Position of J determined

4. Who among the following is seated between E and H?

- (A) I
- (B) J
- (C) F
- (D) K**

5. Who among the following is to the immediate left of F?

- (A) G
- (B) J**
- (C) I
- (D) K

6. Which of the following clearly defines the function of mass media?

- (A) Providing information**
- (B) Work as a responsible resource
- (C) Providing a political forum
- (D) All of the above

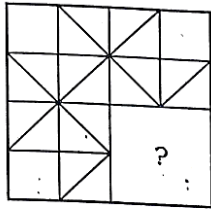
7. T, S and R are three brothers. T's son Q is married to K and they have one child Rahul blessed to them. M the son of S, is married to H and this couple is blessed with a daughter Madhvi. R has a daughter N who is married to P. This couple has one daughter Karuna born to them. How is Madhvi related to S?

- (A) Daughter
- (B) Niece
- (C) Granddaughter**
- (D) None of the above

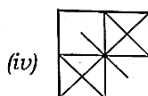
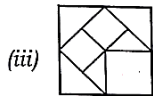
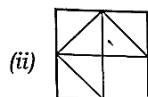
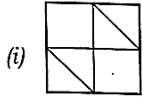


8. A postman was returning to the post office which was in front of him to the North. When the post office was 100 m away from him, he turned to the left and walked 50 m to deliver the last letter at CGO complex and moved another 50 m to meet his friend. Then he turned towards North and walked 100 m. How far is he from the post office?
- (A) 150 m (B) **100 m**
(C) 50 m (D) 75 m
9. Three individuals have to be selected from a group of 6 people. How many different combinations are possible?
- (A) 120 (B) 60
(C) **20** (D) 10
10. John needs to choose between two job offers. Offer A has higher salary but is located in a city with a high cost of living. Offer B has a lower salary but is situated in a town with a lower cost of living. Which job offer should John choose?
- (A) Offer A (B) Offer B
(C) None (D) **Cannot be determined**
11. Arrange these words in alphabetical order and choose the one that comes last:
- (i) Abandon (ii) Actuate
(iii) Accumulate (iv) Acquit
(v) Achieve
- (A) **Actuate** (B) Accumulate
(C) Acquit (D) Achieved as and
12. Three of the following four words are alike in a certain way and one is different. Pick the odd one out.
- (A) Hendecagon (B) **Hexagon**
(C) Heptagon (D) Pentagon
13. Manish is going on a vacation and needs to book a hotel. He shortlists 3 hotels and is now comparing them on the basis of cost, facilities, available and proximity to tourist sites. Which step of decision making is Manish performing?
- (A) Generating the alternatives (B) Defining the selection criteria
(C) **Evaluating the alternatives** (D) Reviewing the decision
14. In the year 1780, who had started the first printed newspaper named as Bengal Gazette, in India?
- (A) Annie Besant (B) **James Augustus Hicky**
(C) Richard Stafford Cripps (D) AO Hume

15. Identify the figure that completes the pattern :



(X)



(A) (i)

(B) (ii)

(C) (iii)

(D) (iv)

16. Which behavior is important for effective listening in a communication exchange?

(A) Interrupting frequently to clarify points

(B) Maintaining consistent eye contact

(C) Taking detailed notes during the conversation

(D) Nodding frequently to show agreement

17. Statement: The vehicular traffic has increased so much in the recent past that it takes at least two hours to travel between the city and the airport during peak hours.

Course of action :

- I. Non-airport bound vehicles should not be allowed to ply on the road connecting the city and the airport.
- II. The load of vehicular traffic should be diverted through various link roads during peak hours.
- III. The departure and arrival of flights should be regulated so as to avoid congestion during peak hours.

(A) None follows

(B) Only I follows

(C) Only II and III follow

(D) Only I and III follow

18. **Direction :** In each question below is given a statement followed by two assumptions numbered I and II. Consider the statement and decide which of the given assumptions is implicit.

Statement: A statement in the call letter given to candidates of the written examination states "you have to bear the travel expenses for attending the written examination"

Assumption I: If not clarified all the candidates may claim reimbursement.

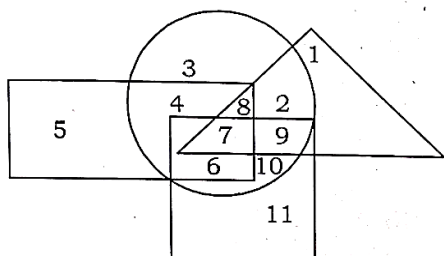
Assumption II: Many organizations reimburse the expenses on travel to the candidates appearing for written examination.

- (A) Only Assumption I is implicit
- (B) Only Assumption II is implicit
- (C) Either Assumption I or Assumption II is implicit
- (D) Both Assumption I and Assumption II are implicit**

19. What does the SOLER model in communication stand for?

- (A) Sincere, Open, Listening, Eye contact, Relaxed
- (B) Sit squarely, Open posture, Lean towards the speaker, Eye contact, Relax**
- (C) Specific, Open, Listening, Engaged, Responsive
- (D) Synchronized, Open, Listening, Eye contact, Reassured

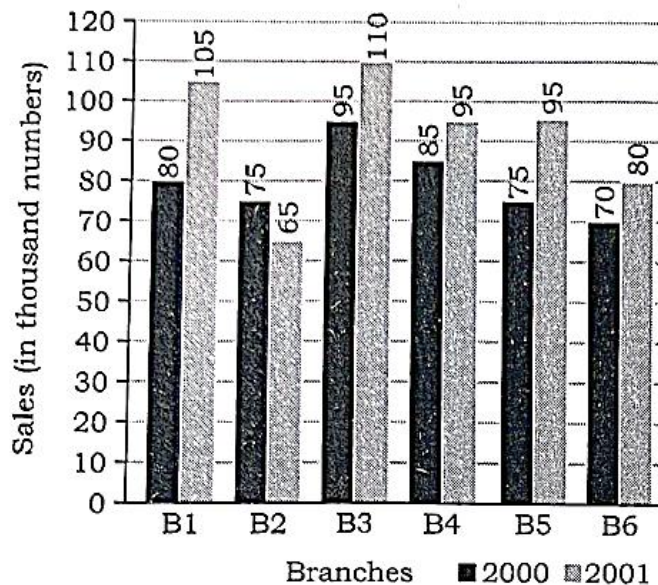
Direction (Q. Nos. 20-24) In the following figure, rectangle, square, circle and triangle represent the regions of wheat, gram, maize and rice cultivation respectively. Based on the figure, answer the following questions:



- 20. Which area is cultivated by rice and maize and nothing else?
 - (A) 9
 - (B) 8
 - (C) 2**
 - (D) 7
- 21. Which area is cultivated by all four commodities?
 - (A) 8
 - (B) 7**
 - (C) 9
 - (D) 2
- 22. Which area is cultivated by wheat and maize only?
 - (A) 8
 - (B) 6
 - (C) 5
 - (D) 4**
- 23. Which area is cultivated by rice only?
 - (A) 5
 - (B) 1**
 - (C) 2
 - (D) 11
- 24. Which area is cultivated by maize only?
 - (A) 10
 - (B) 2
 - (C) 3**
 - (D) 4

25. Which of the following is not a database object in MS Access?
 (A) Reports (B) Tables
(C) Relationships (D) Queries
26. Which one of the following represents the binary equivalent of the decimal number 23?
 (A) 01011 (B) **10111**
 (C) 10011 (D) None of the above
27. In which year was Educational TV first introduced in India?
 (A) 1961 (B) **1959**
 (C) 1971 (D) 1968
28. Which is the largest storage unit among the following?
(A) Terabyte (B) Megabyte
 (C) Kilobyte (D) Gigabyte
29. An area is affected by severe flooding. You, as a District Magistrate, have limited resources. Which of the following should be your immediate priority?
 (A) Repairing roads
(B) Distributing food and water
 (C) Rebuilding houses.
 (D) Organizing entertainment to lift people's spirits

Direction (Q. Nos. 30-34): The bar graph given below shows the sales of books (in thousand numbers) from six branches B1 to B6 of a publishing company during two consecutive years 2000 and 2001.



30. What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?
(A) 75% (B) 77.5%
(C) 82.5% (D) **87.5%**
31. What is the average sales of all the branches (in thousand numbers) for the year 2000?
(A) 73 (B) **80**
(C) 83 (D) 88
32. Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) are
(A) 250 (B) 310
(C) 435 (D) **560**
33. What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?
(A) 2 : 3 (B) 3 : 5
(C) 4 : 5 (D) **7 : 9**
34. Total sales of branch B6 for both the years are what percent of the total sales of branch B3 for both the years?
(A) 68.54% (B) 71.11%
(C) **73-17%** (D) 75-55%
35. The sum of the digits of a two-digit number is 9. If the number formed by reversing the digits is 9 less than the original number, what is the original number?
(A) 27 (B) 45
(C) 63 (D) **None of the above**
36. A man spends 30% of his salary on rent and 20% on food. If he has \$2,500 left after these expenses, what is his total salary?
(A) \$4,500 (B) **\$5,000**
(C) \$3,500 (D) \$3,000
37. In a sequence of numbers, each number is the sum of the previous two numbers. If the first two numbers are 2 and 3, what is the 6th number in the sequence?
(A) **21** (B) 18
(C) 13 (D) 12
38. A water tank has two inlet pipes and one outlet pipe. The inlet pipes can fill the tank in 4 hours and 6 hours, respectively. The outlet pipe can empty the tank in 8 hours. If all three pipes are opened simultaneously, how long will it take to fill the tank?
(A) 3 hours (B) 4 hours
(C) 5 hours (D) 6 hours

39. A sum of ₹ 10,000 is divided into two parts such that one part is invested at 8% per annum and the other at 6% per annum. If the annual interest earned from both investments is ₹700, what is the amount invested at 8%?
- (A) ₹ 4,000 (B) ₹ 3,000
(C) ₹ 5,000 (D) ₹ 6,000
40. $\frac{250\%}{5\%} = ?$
- (A) 50% (B) 500%
(C) 5000% (D) 5%
41. The sum of squares of two numbers is 146. If the square of their difference is 36, then the product of both the numbers is
- (A) 72 (B) 160
(C) 55 (D) 16
42. A peon purchased a chair for ₹ 700, spent 170 on its repair and ₹30 on the cartage. If he sold the chair for 1,080, his gain percent is
- (A) 10 (B) 20
(C) 30 (D) 54-29
43. Find the next number in the sequence
17, 17, 51, 255, 1785
- (A) 16065 (B) 19635
(C) 15965 (D) 14955
44. A can do $\frac{3}{4}$ of a work in 12 days. He can complete $\frac{1}{8}$ th of the work
- (A) 3 days (B) 4 days
(C) 72 days (D) 2 days
45. Sonia can copy 50 pages in 10 hours. Priya and Sonia can copy 300 pages in 40 hours. Priya can copy 30 pages in
- (A) 10 hours (B) 11 hours
(C) 12 hours (D) 13 hours
46. The probability of getting a bad egg in a lot of 400 eggs is 0.035. The number of bad eggs in the lot is
- (A) 7 (B) 14
(C) 21 (D) 28

47. Arrange in order, from least to greatest:

$$-\frac{8}{5}, -\frac{3}{2}, -\frac{19}{11}$$

(A) $-\frac{8}{5}, < -\frac{3}{2}, < -\frac{19}{11}$

(C) $-\frac{19}{11}, < -\frac{8}{5}, < -\frac{3}{2}$

(B) $-\frac{19}{11}, < -\frac{3}{2}, < -\frac{5}{5}$

(D) $-\frac{3}{2}, < -\frac{19}{11}, < -\frac{8}{5}$

48. A chemist has one solution which is 50% acid and a second which is 25% acid. How much of each should be mixed to make 10 litres of a 40% acid solution?

(A) 4 litres of 50% and 6 litres of 25%

(B) 3 litres of 50% and 7 litres of 25%

(C) 6 litres of 50% and 4 litres of 25%

(D) 7 litres of 50% and 3 litres of 25%

49. If the number K35624 is divisible by 11, then what is the value of K?

(A) 2

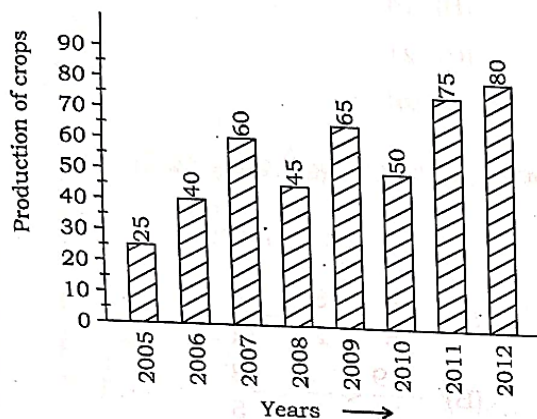
(B) 5

(C) 7

(D) 6

Direction (Q. Nos. 50-52): Study the bar chart and answer the questions based on it.

Production of crops (in 1000 tonnes) over the years.



50. What was the percentage decline in the production of crops from the year 2007 to 2008?
- (A) 34% (B) 25%
(C) 21% (D) 40%
51. The average production of the crops in the year 2006 and 2007 was exactly equal to the average production of which of the following pairs of years?
- (A) 2010 and 2011 (B) 2009 and 2010
(C) 2008 and 2010 (D) 2005 and 2011
52. What was the percentage increase in the production of crops in 2012 compared to that in 2005?
- (A) 180 (B) 200
(C) 220 (D) 250

Direction (Q. Nos. 53-54): In the light of data sufficiency, choose the appropriate option from the following:

Statements:

53. Mr. X ranks eighteenth from the top in a class. What is his rank from the last?

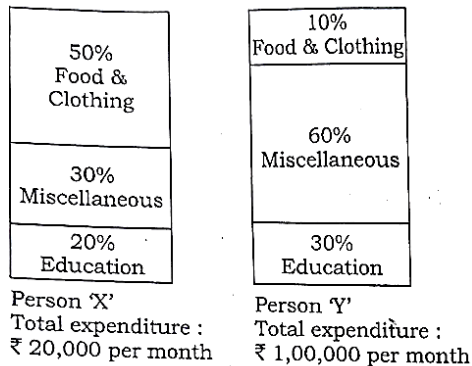
- (i) There are 47 students in the class.
- (ii) Mr. Y who ranks 10th in the same class, ranks 38th from the last.
- (A) Statement (i) alone is sufficient while Statement (ii) alone is not sufficient
- (B) Statement (ii) alone is sufficient while Statement (i) alone is not sufficient
- (C) Either Statement (i) or Statement (ii) is sufficient**
- (D) Neither Statement (i) nor Statement (ii) is sufficient

54. The last Sunday of July, 2018 fell on which date?

Statements

- (i) The first Sunday of that month fell on 5th.
- (ii) The last day of that month was Friday.
- (A) Statement (i) alone is sufficient while Statement (ii) alone is not sufficient
- (B) Statement (ii) alone is sufficient while Statement (i) alone is not sufficient
- (C) Either. Statement (i) or Statement (ii) is sufficient**
- (D) Neither Statement (i) nor Statement (ii) is sufficient

55. In the following Bar diagram, the proportion of expenditure spent on the several things by two persons. X and Y are shown:

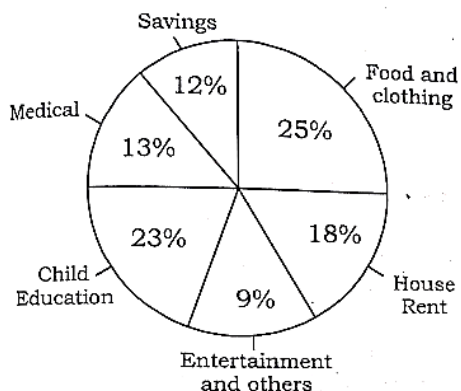


From the above Bar diagram, which of the following statements is correct?

- (A) Person X spent more money on food and clothing than person Y.
- (B) Person X spent less money on food and clothing than person Y.
- (C) Person X and person Y spent the same amount on food and clothing.**
- (D) The amount of expenditure on food and clothing by person X and person Y cannot be compared.

Direction (Q. Nos. 56 & 57): Study the following pie chart and answer the questions:

The monthly expenditure (in percent) of a family is represented by the given pie chart. Let the total monthly income of the family be ₹ 33,650, then :



56. The amount of annual savings would be
 (A) ₹ 48,310 (B) ₹ 48,456
 (C) ₹ 51,393 (D) ₹ 50,284
57. After payment of house rent and deductions of monthly savings, the total monthly income of the family remains
 (A) ₹ 23,545 (B) ₹ 23,555
 (C) ₹ 29,471 (D) ₹ 28,350

Direction (Q. Nos. 58 & 59): Answer the questions based on the following table which shows the results of half yearly and annual examinations of four sections. A, B, C, D of Class-V students in a school.

Result	No. of Students			
	Section A	Section B	Section C	Section D
Student failed in both Exams	28	23	17	27
Students failed in half-yearly but passed in Annual Exams	14	12	8	13
Students passed in half-yearly but failed in Annual Exams	6	17	9	15
Student passed in both Exam.	64	55	46	76

58. Which section has the maximum success rate in annual examination?

(A) Section A

(B) Section B

(C) Section C

(D) Section D

59. How many students are there in Class-V of the school?

(A) 386

(B) 219

(C) 399

(D) 430

Direction (Q. Nos. 60-69): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only:

Everyone is fascinated by identical twins: they look the same even advanced digital imaging systems sometimes fail to tell them apart and yet they have different personalities and abilities. Literature and detective stories depend upon them for providing a plot twist or a mystery. In reality, too, there have been numerous Cases of one twin impersonating the other for a joke, to escape punishment or to advance a romantic interest. They may have the same eyes, the same hair colour, the same smile, but one will be shy and the other more outgoing, or one cleverer or funnier or kinder than the other and this despite their having the same DNA. They do not, however, have the same fingerprints, which are believed to be determined by environmental factors, twins like spending time with each other - often to the exclusion of others. In fifty percent of cases, they even develop their own secret language, furthermore, it is commonly believed that they have the ability to communicate telepathically so that, for instance, one is able to draw a picture of what the other is thinking. There have been innumerable claims that a twin has shared the physical or mental pain of the other known as 'crisis telepathy' even when they could not have known it was happening. Monozygotic twins who share everything before birth usually share everything after birth too: the same tastes in food, music, sport or politics... One might think that this could be explained by the fact that parents often give their new-born twins confusingly similar names, continue to dress them exactly alike until they are well into their teens, and generally treat them in the same way throughout their upbringing. However, there are well-documented cases of identical twins brought up separately from birth who nonetheless made the same decisions and life choices. In the 1980s, there was the much-publicised case of the identical twins Jim' brothers. Born in Ohio, USA in 1939, Jim Springer and Jim Lewis were put up for adoption as babies and raised by different couples, who happened to give them the same first name. When Jim Springer reconnected with his brother at age 39 in 1979, a string of other similarities and coincidences was discovered. Both men were six feet tall and weighed 180 pounds. Growing up, they'd both had dogs named Toy and taken family vacations on the same beach in Florida. As young men, they'd both married women named Linda, and then divorced them. Their second wives were both named Betty. They named their sons James Alan and James Allan. They'd both served as part-time sheriffs, enjoyed home carpentry projects, and suffered from severe headaches. In August every year, thousands of twins descend on a town in Ohio called Twinsburg, named by identical twin brothers nearly two centuries ago. The Twins Days festival is a three-day event consisting of talent shows and look-alike contests that has become one of the world's largest gatherings of twins. There have also been other festivals in the UAE, Australia, France and Nigeria. The latter country has a large

proportion of twins in its population: one in 22 births to the Yoruba people in Nigeria produce twins, identical or fraternal, which is a much higher incidence than anywhere else in the world. This has been attributed to the eating of yams, but the theory is disputed. Biomedical researchers descend on these events, regarding them as a precious opportunity to conduct surveys and experiments. Scientists study twins in order to collect evidence for the age-old nature versus nurture debate: how much of their behaviour is hereditary and how much conditioned by their environment; what are people actually born with and what is caused by experience? Because identical twins come from a single fertilized egg that splits in two, and share virtually the same genetic code, any differences between them must be due to environmental factors. Studying the differences between identical twins to pinpoint the influence of environment, and comparing identical twins with fraternal ones to measure the role of inheritance, has been crucial for understanding the interplay of nature and nurture in determining our personalities, behaviour and vulnerability to disease.

60. Which country has a large proportion of twin population?

(A) Nigeria	(B) USA
(C) France	(D) UAE

61. What is the reason of the high rate of twins produced by the Yoruba people?

(A) Culture	(B) Marital status
(C) Eating habits	(D) Dance and music

62. Biomedical scientists conduct experiments in these events to collect which evidence?

(A) Law and legal issues	(B) Nature vs nurture debate
(C) Climate change	(D) LGBTQ+ rights

63. Identical Twins who look the same are different in which aspect?

(A) Clothes	(B) Personalities
(C) Imaging systems	(D) Complexion

64. How is the difference between the two identical twins helpful to authors?

(A) Provide a story	(B) Provide a character
(C) Provide a plot twist	(D) Provide romance

65. Which difference in two identical twins is determined by external factors?

(A) Hair colour	(B) Fingerprints
(C) Smile	(D) Eyes

66. What percent of identical twins. develop their own secret language?

(A) Can't say	(B) 30 percent
(C) 50 percent	(D) All of the above

67. When one twin is able to share the physical or mental pain without even being communicated, it is known as
 (A) Intuition (B) **crisis telepathy**
 (C) vibration (D) teleportation
68. What do we call the twins, who share everything before birth?
 (A) **Monozygotic** (B) Fraternal
 (C) Dizygotic (D) Monoamniotic
69. Which festival has become one of the world's largest gathering of twins?
 (A) Ohio (B) Twins
 (C) **The Twin Days** (D) Twinsburg

Direction (Q. Nos. 70-75): Read the following passage to answer the question.

Ecosystems provide people with a variety of goods and services, food, clean water, clean air, flood control, soil stabilization, pollination, climate regulation, spiritual fulfilment and aesthetic enjoyment, to name just a few. Most of these benefits are either irreplaceable or the technology necessary to replace them is prohibitively expensive. For example, potable freshwater can be provided by desalinating sea water, but only at great cost.

The rapidly expanding human population has greatly modified the earth's ecosystem to meet their increased requirements of some of the goods and services, particularly food, freshwater, timber, fibre, and fuel. These modifications have contributed substantially to human well-being and economic development. The benefits have not been equally distributed. Some people have actually been harmed by these changes. Moreover, short-term increases in some ecosystems' goods and services have come at the cost of long-term degradation of others. For example, efforts to increase the production of food and fibre have decreased the ability of some ecosystems to provide clean water, regulate flooding and support biodiversity.

70. According to the passage, which of the following can be taken as the main reason for the modification of earth's system?
 (A) Technology (B) **Increasing population**
 (C) Lack of an integrated approach. (D) All of the above
71. Which of the following can be considered as the most suitable title for the passage?
 (A) Modification of our ecosystem
 (B) Our natural resources
 (C) Harmful effect of increase in human population
 (D) **Human interference in our ecosystem**

72. Expanding human population has an adverse effect on
- (i) spiritual fulfilment
 - (ii) availability of potable freshwater
 - (iii) employment
 - (iv) biodiversity
- Which of the statements given above are correct?
- (A) (i), (ii) (iii) only
 - (B) (ii) (iii) (iv) only
 - (C) (ii) and (iv) only**
 - (D) All of the above
73. The passage mentions that 'some people have actually been harmed by these changes'. It indicates towards
- (A) inequitable distribution of benefits
 - (B) decrease in the ability of some ecosystems to provide clean water, regulate flooding and support biodiversity
 - (C) Both (A) and (B)**
 - (D) Neither (A) nor (B)
74. Which of the following is correct in the context of the passage?
- (A) The rapid expansion of population has adversely affected some people**
 - (B) Sufficient efforts have not been made to increase the production of food and fibre
 - (C) In short term, some people may be harmed, but in long term, everyone will benefit from modifications in earth's ecosystem
 - (D) None of the above
75. With reference to the passage, consider the following statements:
- (i) It is imperative to modify the earth's ecosystem for the well- being of mankind.
 - (ii) Technology can never replace all the goods and services provided by ecosystems.
- Which of the statements given above is/are correct?
- (A) Only (1)
 - (B) Only (E)
 - (C) Both (i) and (i)
 - (D) Neither (i) nor (4)**
76. If all Ps are Os and some Os are Rs, which of the following must be true?
- (A) All Ps are Rs
 - (B) Some Ps are Rs
 - (C) No Ps are Rs
 - (D) None of the above**
77. How many pairs of letters are there in the word "CASTRAPHONE" which have as many letters between them in the word as in the alphabet?
- (A) 3
 - (B) 4
 - (C) 5
 - (D) 6**



78. In which year was Facebook launched?
(A) 1972 (B) 1980
(C) 1999 (D) **2004**
79. What is the meaning of the word 'Jargon'?
(A) **A specialized language of a particular group of people**
(B) Techniques of good writing
(C) A special article written by an editor
(D) None of the above
80. An Informal Gathering occurs when a group of people get together in a casual, relaxed manner. Which situation given below is the best example of an Informal Gathering?
(A) Debating club meets on the first Sunday morning of every month
(B) **After finding out about his salary raise, Jay and a few colleagues go out for a quick dinner after work**
(C) Meena sends out 10 invitations for a bachelorette party she is giving for her elder sister
(D) Whenever she eats at Chinese restaurant, Roop seems to run into Dibya

