Model Question Papers framed as per 'The Assam Public Services Combined Competitive Examination (Amendment) Rule, 2019

SYLLABI FOR COMBINED COMPETITIVE PRELIMINARY EXAMINATION:

Paper – II (200 marks) – 80 Questions

Duration: Two hours

- i. Comprehension.
- ii. Interpersonal skills including communication skills.
- iii. Logical reasoning and analytical ability.
- iv. Decision making and problem solving.
- v. General mental ability.
- vi. Basic numeracy (numbers and their relations, orders of magnitude, etc.) (Class X level), Data Interpretation (charts, graphs, tables, data sufficiency etc.) (Class X level)

PAPER – II

Passage – 1

Education plays a great transformatory role in life, particularly so in this rapidly changing and globalizing world. Universities are the custodians of the intellectual capital and promoters of culture and specialized knowledge. Culture is an activity of thought, and receptiveness to beauty and human feelings. A merely well informed man is only a bore on God's earth. What we should aim at is producing men who possess both culture and expert knowledge. Their expert knowledge will give them a firm ground to start from and their culture will lead them as deep as philosophy and as high as art. Together it will impart meaning to human existence.

- **1.** On the basis of the above passage, the following assumptions have been made:
 - 1. A society without well educated people cannot be transformed into a modern society.
 - 2. Without acquiring culture, a person's education is not complete.

Which of the above assumptions is/are valid?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Passage – 2

Access to schooling for those coming of school age is close to universal, but access to quality exhibits a sharp gradient with socio-economic status. Quotas for the weaker sections in private schools is a provision introduced by the Right of Children to Free and Compulsory Education Act, 2009. The quotas have imposed a debate on issues of social integration and equity in education that private actors had escaped by and large. The idea of egalitarian education system with equality of opportunity as its primary goal appears to be outside the space that private school principals inhabit. Therefore, the imposition of the quotas has led to resistance, sometimes justified.

- **2.** With reference to the above passage, the following assumptions have been made:
 - 1. Making equality of opportunity a reality is the fundamental goal of the Indian education system.
 - 2. The present Indian school system is unable to provide egalitarian education.
 - Abolition of private schools and establishment of more government schools is the only way to ensure egalitarian education

Which of the above assumptions is/are valid?

- (a) 1 and 2 only
- (b) 2 only
- (c) 2 and 3 only
- (d) 3 only

Passage – 3

A majority of the TB infected in India are poor and lack sufficient nutrition, suitable housing and have little understanding of prevention. TB then devastates families, makes the poor poorer, particularly affects women and children, and leads to ostracisation and loss of employment. The truth is that even if TB does not kill them, hunger and poverty will. Another truth is that deep-seated stigma, lack of counselling, expensive treatment and lack of adequate support from providers and family, coupled with torturous side-effects demotivate patients to continue treatment – with disastrous health consequences.

- 3. Which one of the following is the *most logical, rational and crucial message* conveyed by the above passage?
 - (a) TB is not a curable disease in Indian circumstances.
 - (b) Curing TB requires more than diagnosis and medical treatment.
 - (c) Government's surveillance mechanism is deficient; and poor people have no access to treatment.
 - (d) India will be free from diseases like TB only when its poverty alleviation programmes are effectively and successfully implemented.

Passage – 4

The interests of working and poor people have historically been neglected in the planning of our cities. Our cities are increasingly intolerant, unsafe and unliveable places for large numbers of citizens and yet we continue to plan via the old ways – the static Development Plan – that draws exclusively from technical expertise, distanced from people's live experiences and needs, and actively excluding large number of people, places, activities and practices that are an integral part of the city.

- 4. The passage seems to argue
 - (a) against the monopoly of builders and the interests of elite groups.
 - (b) against the need for global and smart cities.
 - (c) in favour of planning cities mainly for working class and poor people.
 - (d) in favour of participation of peoples' groups in city planning.

- 5. P, Q and R are three towns. The distance between P and Q is 60 km, whereas the distance between P and R is 80 km. Q is in the West of P and R is in the South of P. What is the distance between Q and R?
 - (a) 140 km
 - (b) 130 km
 - (c) 110 km
 - (d) 100 km
- **6.** Ena was born 4 years after her parents' marriage. Her mother is three years younger than her father and 24 years older than Ena, who is 13 years old. At what age did Ena's father get married?
 - (a) 22 years
 - (b) 23 years
 - (c) 24 years
 - (d) 25 years

Directions for the following item:

Read the following information and answer the items that follow:

- **7.** If E is ranked third, then which one of the following is correct?
 - (a) E gets more marks than C
 - (b) C gets more marks than E
 - (c) A is ranked fourth
 - (d) D is ranked fifth
- 8. How many triplets (x, y, z) satisfy the equation x + y + z = 6, where x, y and z are natural numbers?
 - (a) 4
 - (b) 5
 - (c) 9
 - (d) 10

9. Consider the following Statements and Conclusions:

Statements:

- 1. Some rats are cats.
- 2. Some cats are dogs.
- 3. No dog is a cow.

Conclusions:

- I. No cow is a cat.
- II. No dog is a rat.
- III. Some cats are rats.

Which of the above conclusions is/are drawn from the statements?

- (a) I, II and III
- (b) Only I and II
- (c) Only III
- (d) Only II and III
- **10.** In a school every student is assigned a unique identification number. A student is a football player if and only if the identification number is divisible by 4, whereas a student is cricketer if and only if the identification number is divisible by 6. If every number from 1 to 100 is assigned to a student, then how many of them play cricket as well as football?
 - (a) 4
 - (b) 8
 - (c) 10
 - (d) 12
- Seeta and Geeta go for a swim after a gap of every
 2 days and every 3 days respectively. If on 1st
 January both of them went for a swim together,
 when will they go together next?
 - (a) 7th January
 - (b) 8th January
 - (c) 12th January
 - (d) 13th January

- **12.** Each face of a cube can be painted in black or white colours. In how many different ways can the cube be painted?
 - (a) 9
 - (b) 10
 - (c) 11
 - (d) 12
- 13. In a school, 60% students play cricket. A student, who does not play cricket, plays football. Every football player has got a two-wheeler. Which of the following conclusions *cannot* be drawn from the above data?
 - 1. 60% of the students do not have twowheelers.
 - 2. No cricketer has a two-wheeler.
 - 3. Cricket players do not play football.

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3
- 14. Raju has ₹ 9000 with him and he wants to by a mobile handset; but he finds that he has only 75% of the amount required to buy the handset. Therefore, he borrows ₹ 2000 from a friend. Then
 - (a) Raju still does not have enough amount to buy the handset.
 - (b) Raju has exactly the same amount as required to buy the handset.
 - (c) Raju has enough amount to buy the handset and he will have ₹ 500 with him after buying the handset.
 - (d) Raju has enough amount to buy the handset and he will have ₹ 1000 with him after buying the handset.

- **15.** In a conference, out of a total 100 participants, 70 are Indians. If 60 of the total participants are vegetarian, then which of the following statements is/are correct?
 - 1. At least 30 Indian participants are vegetarian.
 - 2. At least 10 Indian participants are non-vegetarian.

Select the correct answer using the codes given below:

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- **16.** If x is greater than or equal to 25 and y is less than or equal to 40, then which one of the following is always correct?
 - (a) x is greater than y
 - (b) (y x) is greater than 15
 - (c) (y x) is less than or equal to 15
 - (d) (x + y) is greater than or equal to 65
- 17. In a group of 15 people; 7 can read French, 8 can read English while 3 of them can read neither of these two languages. The number of people who can read exactly one language is
 - (a) 10
 - (b) 9
 - (c) 5
 - (d) 4
- **18.** Consider the following sequence that follows some arrangement:
 - c_accaa_aa_bc_b

The letters that appear in the gaps are

- (a) abba
- (b) cbbb
- (c) bbbb
- (d) cccc

- **19.** The number of times the digit 5 will appear while writing the integers from 1 to 1000 is
 - (a) 269
 - (b) 271
 - (c) 300
 - (d) 302
- 20. What is X in the sequence

132, 129, 124, 117, 106, 93, X?

- (a) 74
- (b) 75
- (c) 76
- (d) 77
- **21.** Which year has the same calendar as that of 2009?
 - (a) 2018
 - (b) 2017
 - (c) 2016
 - (d) 2015

Passage – 5

Some people believe that leadership is a quality which you have at birth or not at all. This theory is false, for the art of leadership can be acquired and indeed be taught. This discovery is made in time of war and the results achieved can surprise even the instructors. Faced with the alternatives of going left or right, every soldier soon grasps that a prompt decision either way is better than an endless discussion. A firm choice of direction has an even chance of being right while to do nothing will be almost certainly wrong.

- 22. The author of the passage holds the view that
 - (a) leadership can be taught through war experience only
 - (b) leadership can be acquired as well as taught
 - (c) the results of training show that more people acquire leadership than are expected
 - (d) despite rigorous instruction, very few leaders are produced

Passage – 6

The practice of dieting has become an epidemic; everyone is looking out for a way to attain that perfect body. We are all different with respect to our ethnicity, genetics, family history, gender, age, physical and mental and spiritual health status, lifestyles and preferences. Thereby we also differ in what foods we tolerate or are sensitive to. So we are really cannot reduce so many complexities into one diet or diet book. This explains the failure of diets across the world in curbing obesity. Unless the reasons for weight gain are well understood and addressed and unless habits are changed permanently, no diet is likely to succeed.

23. What is the *most logical and rational inference* that can be made from the above passasge?

- (a) Obesity has become an epidemic all over the world.
- (b) A lot of people are obsessed with attaining a perfect body.
- (c) Obesity is essentially an incurable disease.
- (d) There is no perfect diet or one solution for obesity.

Directions for the following 6 (six) items:

Read the information given below and answer the six items that follow.

A, *B*, *C* and *D* are students. They are studying in four different cities, viz. *P*, *Q*, *R* and *S* (not necessarily in that order). They are studying in Science college, Arts college, Commerce college and Engineering college (not necessarily in that order), which are situated in four different States, viz. Gujarat, Rajasthan, Assam and Kerala (not necessarily in that order). Further it is given that-

- (i) *D* is studying in Assam
- (ii) Arts college is located in city S which is in Rajasthan
- (iii) A is studying in Commerce college
- (iv) *B* is studying in city *Q*

24. A studying in

(a) Rajasthan	(c) city Q
(b) Gujarat	(d) Kerala

25. Science college is located in

(a) City Q	(c) city R
(b) City S	(d) city P

26. C is studying in

(a) Science college (c) Gujarat

- (b) Rajasthan (d) city Q
- **27.** Which one of the following statements is correct?
 - (a) D is not studying in city S.
 - (b) A is studying in Science college.
 - (c) A is studying in Kerala.
 - (d) Engineering college is located in Gujarat.
- **28.** Which one of the following statements is correct regarding Engineering college?
 - (a) C is studying there.
 - (b) B is studying there.
 - (c) It is located in Gujarat.
 - (d) *D* is studying there.
- **29.** Which one of the following statements is correct?
 - (a) Engineering college is located in Assam.
 - (b) City Q is situated in Assam.
 - (c) C is studying in Kerala.
 - (d) B is studying in Gujarat.

Directions for the following 2 (two) items:

Read the following information and answer the two items that follow.

The plan of an office block for six officers *A*, *B*, *C*, *D*, *E* and *F* is a s follows: Both *B* and *C* occupy offices to the right of the corridor (as one enters the office block) and *A* occupies on the left of the corridor. *E* and *F* occupy offices on opposite sides of the corridor but their offices do not

face each other. E does not have a corner office. F's office is further down the corridor than A's but on the same side.

- **30.** If *E* sits in his office and faces the corridor, whose office is to his left?
 - (a) A (c) C
 - (b) *B* (d) *D*
- **31.** Who is/are *F*'s immediate neighbour/neighbours?
 - (a) A only (c) C only
 - (b) A and D (d) B and C
- **32.** If X is between -3 and -1, and Y is in between -1 and 1, then $X^2 Y^2$ is in between which of the following?
 - (a) -9 and 1 (c) 0 and 8
 - (b) -9 and -1 (d) 0 and 9
- **33.** A student has to get 40% marks to pass in an examination. Suppose he gets 30 marks and fails by 30 marks, then what are the maximum marks in the examination?
 - (a) 100 (c) 150
 - (b) 120 (d) 300
- **34.** Consider the following three-dimensional figure:



How many triangles does the above figure have?

- (a) 18 (c) 22
- (b) 20 (d) 24

35. Consider the following pattern of numbers:

8	10	15	13
6	5	7	4
4	6	8	8
6	11	16	?

What is the number at ? in the above pattern?

(a)	17	(c) 21
(b)	19	(d) 23

36. A train 200 metres long is moving at the rate of 40 kmph. In how many seconds will it cross a man standing near the railway line?

(a) 12	(c) 16
(b) 15	(d) 18

37. Average hourly earnings per year (*E*) of the workers in a firm are represented in figures *A* and *B* as follows:



- **38.** If x y = 8, then which of the following must be true?
 - Both x and y must be positive for any value of x and y.
 - 2. If *x* is positive, *y* must be negative for any value of *x* and *y*.
 - 3. If *x* is negative, *y* must be positive for any value of *x* and *y*.

Select the correct answer using the code given below.

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2 nor 3

Passage – 7

Why do people prefer open defecation and not want toilets or, if they have them, only use them sometimes? Recent research has shown two critical elements : idea of purity and pollution, and not wanting pits or septic tanks to fill because they have to be emptied. These are the issues that nobody wants to talk about, but if we want to eradicate the practice of open defecation, they have to be confronted and dealt properly.

- **39.** Which among the following is the *most crucial message* conveyed by the above passage?
 - (a) The ideas of purity and pollution are so deeprooted that they cannot be removed from the minds of the people.
 - (b) People have to perceive toilet use and pitemptying as clean and not polluting.
 - (c) People cannot change their old habits.
 - (d) People have neither civic sense nor sense of privacy.

Passage – 8

In a democratic State, where a high degree of political maturity of the people obtains, the conflict between the will of the sovereign lawmaking body and the organized will of the people seldom occurs.

40. What does the above passage imply?

- (a) In a democracy, force is the main phenomenon in the actual exercise of sovereignty.
- (b) In a mature democracy, force to a great extent is the main phenomenon in the actual exercise of sovereignty.
- (c) In a mature democracy, use of force is irrelevant in the actual exercise of sovereignty.
- (d) In a mature democracy, force is narrowed down to a marginal phenomenon in the actual exercise of sovereignty.

Passage – 9

There is more than a modicum of truth in the assertion that "a working knowledge of ancient history is necessary to the intelligent interpretation of current events". But the sage who uttered these words of wisdom might well have added something on the benefits of studying particularly the famous battles of history for the lessons they contain for those of us who lead or aspire to leadership. Such a study will reveal certain qualities and attributes which enabled the winners to win – and certain deficiencies which caused the losers to lose. And the student will see that the same pattern recurs consistently, again and again, throughout the centuries.

- **41.** With reference to the above passage, the following assumptions have been made:
 - 1. A study of the famous battles of history would help us understand the modern warfare.
 - 2. Studying the history is essential for anyone who aspires to be a leader.

Which of these assumptions is/are valid?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Passage – 10

An innovative India will be inclusive as well as technologically advanced, improving the lives of all Indians. Innovation and R&D can mitigate the increases in social inequality and relive the pressures created by the rapid urbanization. The growing divergence in productivity between agriculture and knowledge-intensive manufacturing and services threatens to increase income inequality. By encouraging India's R&D labs and universities to focus on the needs of poor people and by improving the ability of informal firms to absorb knowledge, an innovation and research agenda can counter this effect. Inclusive innovation can lower the costs of goods and services and create income-earning opportunities for the poor people.

- **42.** Which among the following is the *most logical and rational assumption* that can be made from the above passage?
 - (a) Innovation and R&D is the only way to reduce rural to urban migration.
 - (b) Every rapidly growing country needs to minimize the divergence between productivity in agriculture and other sectors.
 - (c) Inclusive innovation and R&D can help create an egalitarian society.
 - (d) Rapid urbanization takes place only when a country's economic growth is rapid.

Passage – 11

Really I think that the poorest he that is in England has a life to live, as the greatest he, and therefore truly, I think it is clear that every man that is to live under a government ought first by his own consent to put himself under the government, and I do think that the poorest man in England is not at all bound in a strict sense to that government that he has not has a voice to put himself under.

- **43.** The above statement argues for
 - (a) distribution of wealth equality to all
 - (b) rule according to the consent of the governed
 - (c) rule of the poor
 - (d) expropriation of the rich
- **44.** Which of the following statements is/are correct regarding biopesticides?
 - 1. They are not hazardous to human health.
 - 2. They are persistent in environment.
 - 3. They are essential to maintain the biodiversity of any ecosystem.

Select the correct answer using the code given below.

- (a) 1 only
- (b) 1 and 2 only
- (c) 1 and 3 only
- (d) 1, 2 and 3
- **45.** Consider the given statement and the two conclusions that follow:

Statement:

Morning walk is good for health.

Conclusions:

- 1. All healthy people go for morning walk.
- 2. Morning walk is essential for maintaining good health.

What is/are the valid conclusion/conclusions?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- **46.** A freight train left Delhi for Mumbai at an average speed of 40 km/hr. Two hours later, an express train left Delhi for Mumbai, following the freight train on a parallel track at an average speed of 60 km/hr. How far from Delhi would the express train meet the freight train?
 - (a) 480 km
 - (b) 260 km
 - (c) 240 km
 - (d) 120 km
- 47. The monthly incomes of X and Y are in the ratio of4 : 3 and their monthly expenses are in the ratio of3 : 2. However, each saves ₹6000 per month. What is their total monthly income?
 - (a) ₹28000
 - (b) ₹42000
 - (c) ₹ 56000
 - (d) ₹84000
- **48.** If second and fourth Saturdays and all the Sundays are taken as only holidays for an office, what would be the minimum number of possible working days of any month of any year?
 - (a) 23
 - (b) 22
 - (c) 21
 - (d) 20
- **49.** If 2 boys and 2 girls are to be arranged in a row so that the girls are not next to each other, how many possible arrangements are there?
 - (a) 3
 - (b) 6
 - (c) 12
 - (d) 24

- 50. If students failed in a class of 52. After removing the names of failed students, a merit order list has been prepared in which the position of Ramesh is 22nd from the top. What is his position from the bottom?
 - (a) 18th
 - (b) 17th
 - (c) 16th
 - (d) 15th
- **51.** Gopal bought a cell phone and sold it to Ram at 10% profit. Then Ram wanted to sell it back to Gopal at 10% loss. What will be Gopal's position if he agreed?
 - (a) Neither loss nor gain
 - (b) Loss 1%
 - (c) Gain 1%
 - (d) Gain 0.5%
- 52. Examine the following statements:
 - 1. All colours are pleasant.
 - 2. Some colours are pleasant.
 - 3. No colour is pleasant.
 - 4. Some colours are not pleasant.

Given that statement 4 is true, what can be definitely concluded?

- (a) 1 and 2 are true.
- (b) 3 is true.
- (c) 2 is false.
- (d) 1 is false.
- **53.** Consider the following relationships among members of a family of six persons *A*, *B*, *C*, *D*, *E* and *F*:
 - 1. The number of males equals that of females.
 - 2. A and E are sons of F.
 - 3. *D* is the mother of two, one boy and one girl.
 - 4. *B* is the son of *A*.

5. There is only one married couple in the family at present.

Which one of the following inferences can be drawn from the above?

- (a) A, B and C are all females.
- (b) A is the husband of D.
- (c) E and F are the children of D.
- (d) D is the daughter of F.

Directions for the following 3 (three) items:

Consider the given information and answer the **three items** that follow.

A, B, C, D, E, F and G are Lecturers from different cities – Hyderabad, Delhi, Shillong, Kanpur, Chennai, Mumbai and Srinagar (not necessarily in the same order) who participated in a conference, Each one of them is specialized in a different subject, viz. Economics, Commerce, History, Sociology, Geography, Mathematics and Statistics (not necessarily in the same order). Further

- 1. Lecturer from Kanpur is specialized in Geography
- 2. Lecturer *D* is from Shillong
- 3. Lecturer C from Delhi is specialized in Sociology
- 4. Lecturer *B* is specialized in neither History nor Mathematics
- 5. Lecturer *A* who is specialized in Economics does not belong to Hyderabad
- 6. Lecturer *F* who is specialized in Commerce belongs to Srinagar
- 7. Lecturer *G* who is specialized in Statistics belongs to Chennai
- 54. Who is specialized in Geography?
 - (a) B
 - (b) D
 - (c) *E*
 - (d) Cannot be determined as data are inadequate

- **55.** To which city does the Lecturer specialized in Economics belong?
 - (a) Hyderabad
 - (b) Mumbai
 - (c) Neither Hyderabad nor Mumbai
 - (d) Cannot be determined as data are inadequate
- 56. Who of the following belongs to Hyderabad?
 - (a) B
 - (b) E
 - (c) Neither *B* nor *E*
 - (d) Cannot be determined as data are inadequate
- **57.** In a school, there are five teachers *A*, *B*, *C*, *D* and *E*. *A* and *B* teach Hindi and English. *C* and *B* teach English and Geography. *D* and *A* teach Mathematics and Hindi. *E* and *B* teach History and French. Who teaches maximum number of subjects?
 - (a) A
 - (b) *B*
 - (c) D
 - (d) *E*

Directions for the following 3 (three) items:

Consider the given information and answer the **three items** that follow.

Eight railway stations *A*, *B*, *C*, *D*, *E*, *F*, *G* and *H* are connected either by two-way passages or one-way passages. One-way passages are from *C* to *A*, *E* to *G*, *B* to *F*, *D* to *H*, *G* to *C*, *E* to *C* and *H* to *G*. Two-way passages are between *A* and *E*, *G* and *B*, *F* and *D*, and *E* and *D*.

- **58.** While travelling from *C* to *H*, which one of the following stations must be passed through?
 - (a) G
 - (b) *E*
 - (c) D
 - (d) F

- **59.** In how many different ways can a train travel from *F* to *A* without passing through any station more than once?
 - (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
- **60.** If the route between *G* and *C* is closed, which one of the following stations need not be passed through while travelling from *H* to *C*?
 - (a) *E*
 - (b) D
 - (c) A
 - (d) B

Directions (Q. Nos. 61 and 62) Select the related letters/words/numbers from the given alternatives.

- 61. Writer : Pen :: ?
 - (a) Needle : Tailor
 - (b) Artist : Brush
 - (c) Painter : Canvas
 - (d) Teacher : Class
- 62. BDAC : FHEG :: NPMO : ?
 - (a) RQTS
 - (b) QTRC
 - (c) TRQS
 - (d) RTQS

Directions (Q. No. 63) Which one of the given responses would be a meaningful descending order of the following?

63. 1. Major 2. Captain

- 3. Colonel 4. Brigadier
- 5. Lt General
- (a) 5, 4, 3, 1, 2
- (b) 5, 1, 4, 2, 3
- (c) 4, 5, 1, 3, 2
- (d) 3, 4, 2, 5, 1

- **64.** Out of 100 families in the neighbourhood, 50 have radios, 75 have TVs and 25 have VCRs. Only 10 families have all three and each VCR owner also has a TV. If some families have radio only, how many have only TV?
 - (a) 30
 - (b) 35
 - (c) 40
 - (d) 45

65. Find the wrong number in the series.

6, 9, 15, 22, 51, 99

- (a) 99
- (b) 51
- (c) 22
- (d) 15

Passage – 12

In the last decade, the banking sector has been restructured with a high degree of automation and products that mainly serve middle-class and upper middle-class society. Today there is a need for a new agenda for the banking and non-banking financial services that does not exclude the common man.

- **66.** Which one of the following is the message that is essentially implied in the above passage?
 - (a) Need for more automation and more products of banks
 - (b) Need for a radical restructuring of our entire public finance system
 - (c) Need to integrate banking and nonbanking institutions
 - (d) Need to promote financial inclusion

- 67. A person walks 12 km due north, then 15 km due east, after that 19 km due west and then 15 km due south. How far is he from the starting point?
 - (a) 5 km
 - (b) 9 km
 - (c) 37 km
 - (d) 61 km
- **68.** How many numbers are there between 100 and 300 which either begin with or end with 2?
 - (a) 110
 - (b) 111
 - (c) 112
 - (d) None of the above
- **69.** In a class of 60 students, where the number of girls is twice that of boys, Kamal, a boy, ranked seventeenth from the top. If there are 9 girls ahead of Kamal, the number of boys in rank after him is:
 - (a) 13
 - (b) 12
 - (c) 7
 - (d) 3
- 70. The average monthly income of a person in a certain family of 5 is ₹ 10,000. What will be the average monthly income of a person in the same family if the income of one person increased by ₹ 1,20,000 per year?
 - (a) ₹12,000
 - (b) ₹16,000
 - (c) ₹20,000
 - (d) ₹34,000
- 71. A person allows a 10% discount for cash payment from the marked price of a toy and still he makes a 10% gain. What is the cost price of the toy which is marked ₹ 770?
 - (a) ₹610
 - (b) ₹ 620
 - (c) ₹630
 - (d) ₹ 640

- **72.** Which of the following best describes the 'Global Forest Watch'?
 - (a) It is a biennial report published by United Nations Environment Programme (UNEP) about the global forest degradation.
 - (b) It is a dynamic online forest monitoring and alert system that empowers people everywhere to better manage forests.
 - (c) It is a framework developed by Intergovernmental Panel on Climate Change (IPCC) for assessing forest degradation.
 - (d) It is a civil society organisation under the aegis of United Nations aimed at protection of forests and their resources.
- 73. Consider the following statements:
 - Prebiotic foods contain live microorganisms that help human health whereas Probiotic foods contain fiber compounds that induce growth of microorganisms.
 - 2. Prebiotics resist digestion in the small intestine and reach the colon where they are fermented by gut microflora.
 - 3. Fermented foods like Yogurt and Buttermilk are rich sources of Probiotics.

Which of the statements given above is/are correct?

- (a) 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3
- **74.** Consider the following statements:
 - National Pharmaceutical Pricing Authority can cap the prices of both drugs and medical devices in India.
 - 2. There are no rules defining bulk drugs in India.

3. The Central Drugs Standard Control Organization (CDSCO) is responsible for the conduct of clinical trials in India.

Which of the statements given above is/are correct?

- (a) 1 and 3 only
- (b) 2 and 3 only
- (c) 1 only
- (d) 1, 2 and 3
- **75.** Puducherry enclaves lie in which of the following states?
 - 1. Tamil nadu
 - 2. Kerala
 - 3. Andhra Pradesh
 - 4. Karnataka

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2, 3 and 4 only
- (c) 1, 2 and 3 only
- (d) 3 and 4 only
- **76. Statement:** In a highly centralised power structure, in which even senior cabinet ministers are prepared to reduce themselves to pathetic countries or yes men airing views that are primarily intended to anticipate or reflect the Prime Minister's own performances, there can be no place for any consensus that is quite different from real or contrived unanimity of opinion, expressed through a well orchestrated endorsement of the leader's actions.

Conclusions:

- (I) The Ministers play safe by not giving antigovernment views.
- (II) The Prime Minister does not encourage his colleagues to render their own views.
- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Either I nor II follows
- (d) Neither I nor II follows

77. Count the number of squares in the given figure



- (a) 11
- (b) 21
- (c) 24
- (d) 26
- **78. Statement:** Severe drought is reported to have set in several parts of the country.

Courses of action:

- Government should immediately make arrangement for providing financial assistance to those affected.
- **II.** Food, water and fodder should immediately be sent to all these areas to save the people and cattle.
- (a) Only I follows
- (b) Only II follows
- (c) Either I or II follows
- (d) Neither I nor II follows
- **79.** On what dates of April, 2001 did Wednesday fall?
 - (a) 1st, 8th, 15th, 22nd, 29th
 - (b) 2nd, 9th, 16th, 23rd, 30th
 - (c) 3rd, 10th, 17th, 24th
 - (d) 4th, 11th, 18th, 25th

80. If
$$x - \frac{1}{16x} = 1$$
 then the value of $64x^3 + \frac{1}{64x^3}$
(a) 4

- (b) 52
- (c) 64
- (d) 76