

GIMs - Genesis Ignited Minds Scholarship Test:- 1st April

Class-9th Moving 10th

**Time: 3 Hrs.
Marks**

M.M.: 455

General Instructions

- Answers have to be marked on the sheet provided
- Blank Papers, Cell phones & Calculators are not allowed inside the hall.
- Each Objective Question carries +4 marks & -1 mark for the wrong answer.
- Question Paper consists of 2 Sections:
Objective Questions
 - Section A-Physics-20 Questions
 - Section B-Chemistry-20 Questions
 - Section C-Biology-20 Questions
 - Section D-Mathematics-20 Questions
 - Section E-English-25 Marks (No negative marking)
 - Section F-Mental Ability-20 Questions
 - Section-G Puzzles 30 Marks (No negative marking)

Dear GIMS Aspirant

**As a student you must put your 100% dedicated efforts.
The success or failure is temporary but it is the attitude
that makes all the difference.**

All the Best

PANCHKULA CENTRES

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- (a) $R/4$ (b) $R/2$ (c) $R/3$ (d) $R/8$

13. A uniform rod has a mass attached to one end to make it float upright in liquid. If 3.0 cm of the rod is immersed when float in water and 3.5 cm when it floats in a liquid of relative density 0.9, what length of it will be immersed, when it floats in a liquid of relative density 1.2 ?

- (a) 4.25 cm (b) 3.25 cm (c) 2.25 cm (d) 5.25 cm

14. A body starts from rest with a uniform acceleration of 2 m/s^2 for 10 sec, it moves with constant speed for 30 sec then decelerates by 4 m/s^2 to zero. What is the distance covered by the body?

- (a) 750 m (b) 850 m (c) 600 m (d) None of these

15. When a particle moves in a circle with a uniform speed

- (a) Its velocity and acceleration are both constant
 (b) Its velocity is constant but the acceleration changes
 (c) Its acceleration is constant but the velocity changes
 (d) Its velocity and acceleration both change

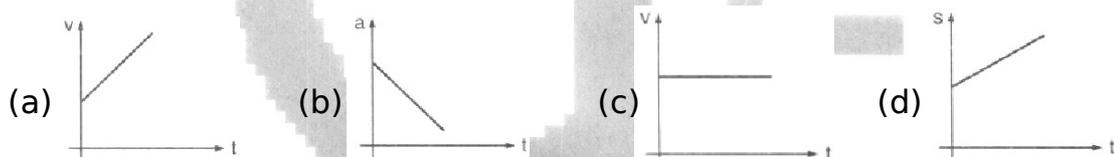
16. A bus begins to move with an acceleration of 1 m/s^2 . A man who is 48 m behind the bus starts running at 10 m/s to catch the bus. The man will be able to catch the bus after:

- (a) 6 s (b) 5 s (c) 3 s
 (d) 7 s (e) 8 s

17. An aluminum ball X and an iron ball Y of the same volume are thrown horizontally with the same velocity from the top of a building. Neglecting air resistance, X reaches the ground

- (a) before Y and at the same distance from the building
 (b) at the same time as Y and at a near distance from the building
 (c) at the same time as Y and at a same distance from the building
 (d) at the same time as Y and at a farther distance from the building

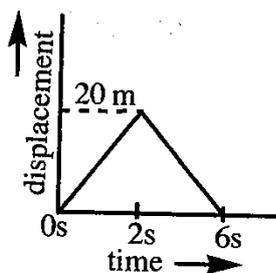
18. A body moves with uniform acceleration, then which of the following graphs is correct?



19. Which of the following statements is false?

- (a) Force of friction is almost independent of macroscopic area of the surface in contact
 (b) Force of friction depends on the nature of materials of the surfaces in contact (i.e., force of adhesion)
 (c) Force of friction does not depend on the relative velocity between the surfaces
 (d) Force of friction is independent of roughness or smoothness of the surfaces in contact

20. For the displacement time graph shown in figure, the ratio of the magnitudes of the speeds during the first two second and the next four second is



1) 1:1

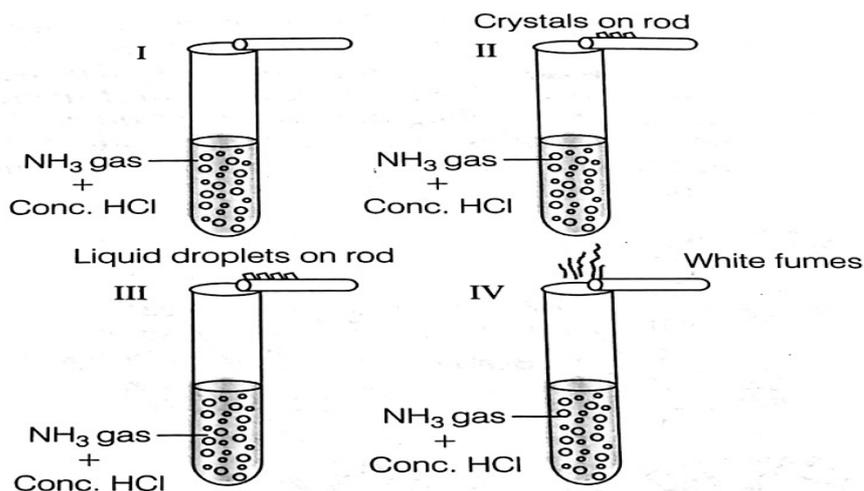
2) 2:1

3) 1:2

4) 3:2

Section-B (Chemistry)

- A change in the physical state can be brought about
 - only when energy is given to the system
 - only when energy is taken out from the system
 - when energy is either given to, or taken out from the system
 - without any energy change
- The chemical symbol for nitrogen gas is
 - N_1
 - N_2
 - N^+
 - N
- Which of the following would weigh the highest?
 - 0.2 mole of sucrose ($C_{12}H_{22}O_{11}$)
 - 2 moles of CO_2
 - 2 moles of $CaCO_3$
 - 10 moles of H_2O
- The ion of an element has 3 positive charges. Mass number of the atom is 27 and the number of neutrons is 14. What is the number of electrons in the ion?
 - 13
 - 10
 - 14
 - 16
- In the Thomson's model of atom, which of the following statements are correct?
 - the mass of the atom is assumed to be uniformly distributed over the atom
 - the positive charge is assumed to be uniformly distributed over the atom
 - the electrons are uniformly distributed in the positively charged sphere
 - the electrons attract each other to stabilise the atom
 - (i), (ii) and (iii)
 - (i) and (iii)
 - (i) and (iv)
 - (i), (iii) and (iv)
- The number of electrons in an element X is 15 and the number of neutrons is 16. Which of the following is the correct representation of the element?
 - ${}_{15}^{31}X$
 - ${}_{16}^{31}X$
 - ${}_{15}^{16}X$
 - ${}_{16}^{15}X$
- Which of the following correctly represent the electronic distribution in the Mg atom?
 - 3, 8, 1
 - 2, 8, 2
 - 1, 8, 3
 - 8, 2, 2
- When a rod dipped in concentrated HCl is brought near the mouth of test tube containing ammonia (NH_3) gas. Which of the following set up are correct?



(a) I (b) II (c) III (d) IV

9. The sequence commonly followed for separating a mixture of Sand, common salt and ammonium chloride

- (a) Use of magnet, dissolving in water, filtration
- (b) Dissolving in water, filtration. Evaporation and sublimation
- (c) Sublimation, use of magnet, dissolving in water and filtration
- (d) Sublimation, dissolving in water, filtration and evaporation

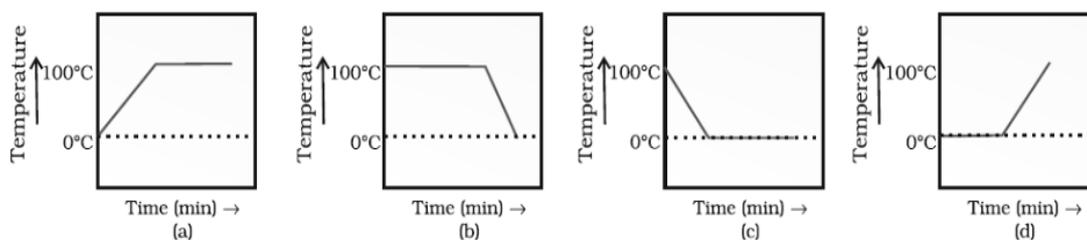
10. Four students performed the following experiments and recorded their observations. Who is right?

Student	Procedure	Observation
(a)	Mixed powder of barium chloride and sodium sulphate.	The mixture turns yellow.
(b)	Mixed solutions of barium chloride and sodium sulphate.	Thick white precipitate is formed.
(c)	Added sodium sulphate powder to barium chloride solution.	Solution becomes turbid.
(d)	Added barium chloride powder to sodium sulphate solution.	No change is observed.

11. While determining the boiling point of water, the teacher suggested to add some pumice stone pieces to the hard glass test tube containing water. This was done to

- (a) Avoid bumping
- (b) Avoid melting of hard glass test tube
- (c) Prevent unnecessary loss of heat energy
- (d) Spread the heat uniformly

12. A student heats a beaker containing ice and water. He measures the temperature of the content of the beaker as a function of time. Which of the following (Fig.) would correctly represent the result?

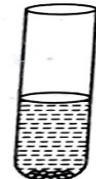


13. The ratio of the number of atoms of gold and silver in the silver ornament of mass 'm' gram polished with gold equivalent to 1% mass of the mass of silver is :
- (a) 1:182.41 (b) 1:150.5 (c) 1:211.5 (d) 1:116.7
14. A compound XMnO_4 is formed by the combination of an element X with hydrogen. What will be the formula of X with Nitrogen?
- (a) XN_3 (b) X_3N (c) X_3N_2 (d) X_2N_3
15. The ratio of the radii of hydrogen atom and its nucleus is $\sim 10^5$. Assuming the atom and the nucleus to be spherical, the ratio of their sizes is:
- (a) $10^5:1$ (b) $10^{10}:1$ (c) $10^{15}:1$ (d) $10^{11}:1$
16. The average atomic mass of a sample of an element 'X' is 16.2u. What is the %age of each of isotope $^{16}_8\text{X}$ and $^{18}_8\text{X}$ in the sample?
- (a) 90% and 10% (b) 85% and 15%
 (c) 10% and 90% (d) 1% and 99%
17. 1.25g of copper carbonate was added to a beaker containing 20g of HCl. After completion of chemical reaction, the mass of the beaker and its contents were less than 21.25g. why does this happen?
- (a) Law of conservation of mass is not true in every case
 (b) Some atoms destroy during a reaction, hence reducing the mass
 (c) Some atoms (molecules) might have escaped during the reaction
 (d) Actual reason is not known
18. When the solution of sodium sulphate is added to the solution of Barium chloride, we immediately get a precipitate. Which of the following diagrams make correct identification of the precipitate?
- 

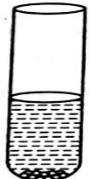
White ppt
of NaCl
A



White ppt
of BaSO_4
B



Yellow ppt
of BaSO_4
C



Grey ppt
of NaCl
D
- (a) A (b) B (c) C (d) D
19. In the gold foil experiment of Geiger and Marsden, that paved the way for Rutherford's model of an atom, $\sim 1.00\%$ of the α particles were found to deflect at angles $> 50^\circ$. If one mole of α particles were bombarded on the gold foil, compute the number of α particles that would deflect at angles less than 50°
- (a) 5.96×10^{24} (b) 5.96×10^{22}
 (c) 5.96×10^{21} (d) 5.96×10^{23}

20. The mass of Neon having same number of atoms as present in 4g of Calcium

(At masses Ne = 20u and Ca = 40u) is:

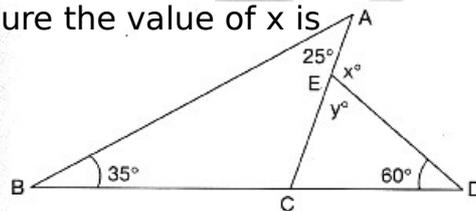
- (a) 8g (b) 2g (c) 5g (d) 12g

Section-C (Biology)

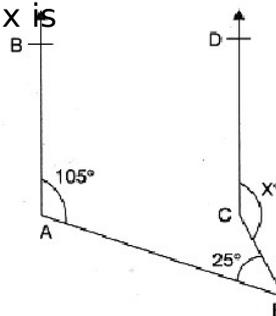
- 1) Which of the following is not a characteristic of DNA?
a) Only component of chromosome b) complementary
c) composed of nucleotides d) double-stranded
- 2) Haversian Canals are Found In:
a) Cartilage b) Liver
c) Heart d) Bone
- 3) Lysosome Arises:
a) Golgi Apparatus b) From Plasma Membrane
c) From Nuclear Envelope d) From Replication
- 4) The most common ground tissue is:
a) Epidermis b) Collenchyma
c) Parenchyma d) Sclerenchyma
- 5) Study Of Microorganisms Is Called:
a) Microculture b) Biochemistry
c) Mycology d) Microbiology
- 6) How many mitotic divisions must occur in a cell of a root tip to form 128 cells?
a) 128 divisions b) 127 divisions
c) 7 divisions d) None of these
- 7) Below are a few diseases
I. Tuberculosis II. Carcinoma
III. Influenza IV. Bronchial Asthma
Which of the above mentioned diseases are classified as infectious disease?
a) I & II b) II & III
c) III & IV d) I & III
- 8) Which of the following statements is incorrect?
a) AIDS can be prevented from spreading
b) Wearing inadequate warm clothes in winter is the reason for common cold
c) Vaccination provides protection against specific disease
d) Anti-venom is a kind of passive-artificial immunity
- 9) The movement of water across a semi - permeable membrane is affected by
a) The amount of substances dissolved in it.
b) Membrane are made up of organic molecules like proteins and lipids so it won't get affected
c) Molecules soluble in organic solvent, can easily pass through the membrane.
d) Plasma membrane contain chitin and sugar in plants
- 10) 'Centrioles' are associated with synthesis/formation of
a) Fats b) Protein
c) Flagella d) Enzymes
- 11) Hormonal imbalance is an example of:

3. The value of $\frac{(10^2 - 15^2)^3 + (15^2 - 20^2)^3 + (20^2 - 10^2)^3}{(10 - 15)^3 + (15 - 20)^3 + (20 - 10)^3}$ is
 (a) 26250 (b) 39375 (c) 78750 (d) 78755
4. If $a + b + c = 0$, then the value of $\frac{(a + b)(b + c)(c + a)}{abc}$ is
 (a) -9 (b) -3 (c) -1 (d) 1
5. The value of $(a + b)^3 + (a - b)^3 + 6a(a^2 - b^2)$
 (a) $8a^2$ (b) $7a^3$ (c) $8a^3$ (d) $18a^3$
6. The value of $(a^{1/8} + a^{-1/8})(a^{1/8} - a^{-1/8})(a^{1/4} + a^{-1/4})(a^{1/2} + a^{-1/2})$ is
 (a) $(a + a^{-1})$ (b) $(a - a^{-1})$ (c) $(a^2 + a^{-2})$ (d) $(a^2 - a^{-2})$
7. If $\left(a + \frac{1}{a}\right)^2 = b$, then $a^3 + \frac{1}{a^3}$ is equal to
 (a) b^3 (b) $b^{3/2}$ (c) $b^{3/2} - 3b^{1/2}$ (d) $b^{3/2} + 3b^{1/2}$
8. If $x - (1/x) = 7$ then the value of $x^4 - (1/x^4)$ would be
 (a) 2500 (b) 49 (c) 2599 (d) 343
9. The equation of the line, which does not pass through the origin is
 (a) $x = 4y$ (b) $y = 5x$ (c) $y = 15x + 9$ (d) $y = 3x$

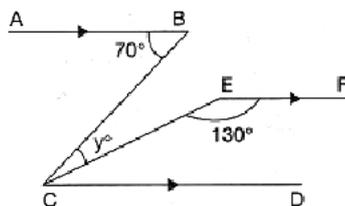
10. From the adjoining figure the value of x is
 (a) 180°
 (b) 120°
 (c) 106°
 (d) 60°



11. In the following figure the value of x is
 (a) 130°
 (b) 105°
 (c) 75°
 (d) 65°



12. In the given figure if $AB \parallel CD \parallel EF$, then the value of y is
 (a) 20°
 (b) 60°
 (c) 130°



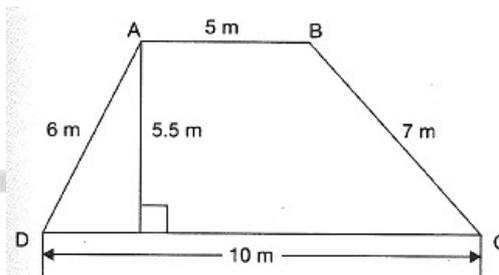
(d) 200°

13. If a right angle triangle has its base and height in the ratio of 3 : 2 and the area of

the triangle is given as 243 cm^2 , then what will be the lengths of its base and height?

a. 27 cm, 18 cm b. 18 cm, 24 cm c. 24 cm, 18 cm d. 32 cm, 48 cm

14. What will be the area of the quadrilateral ABCD?



a. 28.6 m^2 b. 41.25 m^2 c. 29.45 m^2 d.

30.25 m^2

15. What will be the area of an isosceles triangle, which has the base length $x \text{ cm}$ and length of one side is $y \text{ cm}$.

a. $\frac{x}{2} \sqrt{\frac{x^2}{4} + y^2}$ b. $\frac{x}{2} \sqrt{y^2 - \frac{x^2}{4}}$ c. $\sqrt{y^2 - \frac{x^2}{4}}$ d. $\frac{x}{2}$

16. What will be the percentage increase in the area of an equilateral triangle if each side of the equilateral triangle is tripled?

a. 70% b. 80% c. 90% d.

800%

17. In a right-angled isosceles triangle, the area is 18 cm^2 . What will be the perimeter

of this triangle?

a. $12 + 4\sqrt{3}$ b. $12 + 6\sqrt{2}$ c. $14 + 4\sqrt{3}$

d. $14 + 6\sqrt{2}$

18. A trapezium has parallel sides of length 25 cm and 13 cm, and length of both of its nonparallel sides is 10 cm. What will be the area of the trapezium?

a. 128 cm^2 b. 360 cm^2 c. 152 cm^2 d. 190 cm^2

19. The perimeter of floor of a hall having rectangular shape is 175 m. The height of the hall, when the cost of painting four walls is Rs. 12000 at the rate of Rs. 10 per m^2 will be

- a. 6.85 m b. 7.25 m c. 6.25 m d. 4.85 m

20. The amount of paint in a container can paint an area equal to 9.375 m². Number of bricks measuring 22.5 cm × 10 cm × 7.5 cm that can be painted from the container is/ are

- a. 1 b. 10 c. 100 d. 1000

Section-E (English)

1) Read the passage carefully and answer the questions that follow:

1. From the moment a baby first opens its eyes, it is learning. Sight and Sensation sparks off a learning process which will determine in large measure the sort of person it will become. Language stands head and shoulders over all other tools as an instrument of learning. It is language that gives man his lead in intelligence over all other creatures. No other creature can assemble a list of ideas, consider them, draw conclusions and then explain his reasoning. Man can do all this because he possesses language. And if thought depends on language, clearly the quality of an individual's thought will descend on that person's language- rudimentary or sophisticated, precise or approximate, stereotyped or original.

2. Very young babies are soothed by human voice uttering comforting words close to them. This essentially emotional response provides early evidence that feeling is an important component of language learning. Children learn to use language in interaction with other human beings, and this learning precedes best against a background of affectionate feedback from the person who is closest to them.

This is seen to perfection in the interaction between parent and baby: eyes locked together, the adult almost physically drawing 'verbal' response from the baby, both engulfed by that unique experience of intimate and joyful 'connecting' which sets the pattern of relationships between two people.

3. Thus, long before they can speak, children are involved in a two-way process of communication which is steadily building a foundation on which their later use of language will be based. Constantly surrounded by language, they are unconsciously building structures in their minds into which their speech and reading will later fit-grammatical constructions, tense sequences and so on.

The forms of these structures will depend on the amount and complexity of speech they hear. The fortunate children are those who listen to articulate adults expressing ideas and defending opinions. They will know, long before they can contribute themselves that relationships are forged through this process of speaking and listening; that warmth and humour have a place in the process, as have all other human emotions.

4. Using books is the most important means of ensuring a child's adequate language development. None of us can endlessly initiate and maintain, speech with very small children; we run out of ideas, or just get plain sick of it. Their lives are limited and the experience just isn't there to provide the raw material for constant verbal interaction, without inevitable boredom on the child's part and desperation on the adult's.

5. Parents and children who share books share the same frame reference. Incidents in everyday life constantly remind one or the other of a situation, a character, an action, from a jointly enjoyed book, with all the generation of warmth and well-being that is attendant upon such sharing. All too often, there is a breakdown of communication between parents and children when the problems of adolescence arise. In most cases this is most acute when the give-and-take of shared opinion and ideas has not been constantly practiced throughout childhood. Books can play a major part in the establishment of this verbal give-and-take, because they are rooted in language.

6. Young children's understanding greatly outruns their capacity for expression as their speech strains to encompass their awareness, to represent reality as they see it. Shades of meaning which may be quite unavailable to the child of limited verbal experience are startlingly talked-to toddler. All the wonderful modifying words-later, nearly, tomorrow, almost, wait, half, lend begin to steer the child away from the simple extremes of "yes" and 'no' towards the adult word of compromise; from the child's black and white world to the subtle shades and tints of the real world. The range of imaginative experience opened up by books expands the inevitably limited horizons of children's surroundings and allows them to make joyful, intrigued, awe-struck acquaintance with countless people, animals, objects and ideas in their first years of life, to their incalculable advantage.

7. Books also help children to see things from other points of view besides their own as they unconsciously put themselves into other people's places - 'if that could happen to him, it could happen to me.' This imaginative self-awareness brings apprehensions and fears as well as heightened hopes and joys.

8. In books children can experience language which is subtle, resourceful, exhilarating and harmonious; languages which provides the human ear (and understanding) with a pointed and precise pleasure, the searing illuminating impact of good and true words.

(A) Fill in the blanks appropriately.

(5)

(1) The learning process ignited by sight and sensation in a baby will determine _____.

(2) Man can assemble a list of ideas, consider them and draw conclusions because he _____.

(3) Uttering comforting words close to babies can _____.

(4) The fortunate children are the ones who _____.

(5) Often a breakdown of conversation between a parent and a child is witnessed at the stage of _____ in the life of a child.

(B) Find words from the passage that mean:

3 Marks

(a) Pronounce distinctly (para 3)

(b) accompany (para 5)

(c) give and take (para 6) 3 marks

1) Fill in the blanks with appropriate word

(7)

- a) _____ foundation is collapsing (Its , It's)
- b) Do you have a _____ tooth? (lose, loose)
- c) Please give me an _____ (advice ,advise)
- d) Her _____pricked her hard (conscience , conscious , concious)
- e) She is one of the prettiest _____ in the class. (girl, girls)
- f) Suresh is as tall as _____ (I , me)
- g) Evans was found in a _____session while we called him. (practice, practice)

2) Give the meanings of the words and also make sentences
(4)

- a) capricious
- b) excruciating
- c) valour
- d) philanthropist

3) Do as directed (4)

1) She is too tired to stand.

(Use so in this sentence without changing the context)

2) It is dangerous as well as illegal to drive a bike without helmet.

(start : it is not)

3) Use the word beautiful contextually as an adjective and adverb in a sentence.

4) The house _____ was built upon the rock caught fire yesterday.

(which, that)

4) Differentiate between a simile and a metaphor by making a sentence of each.

(2)

Section-F (Mental Ability)

1. If in a code NECKLACE is written as ECALKCEN, how HURRY can be written in that code?

- (a) YRURH (b) HUYRR (c) YRRUH (d) UHRYR

2. If (i) A * B means A is the brother of B
(ii) A ● B means A is the daughter of B
(iii) A Δ B means A is the sister of B

Which one of the following shows the relation that P is the maternal uncle of Q?

- (a) $P \Delta R \bullet Q$ (b) $P * R \bullet Q$ (c) $Q \bullet R \Delta P$
(d) $Q \bullet R * P$

3. If a certain language GONE is coded as ILPB, then for what word do the letters EOKY stand?

- (a) IBCR (b) CIRB (c) CRBI (d) RIBC
(e) CRIB

4. If 'ROSE' is coded as 6821
'CHAIR' is coded as 73456
'PREACH' is coded as 961473
what will be the code for 'SEARCH'?

- (a) 246173 (b) 214673 (c) 214763 (d) 216473

5. Ram is the brother of Shyam and Mahesh is the father of Ram. Jagat is the brother of Priya and Priya is daughter of Shyam; who is the uncle of Jagat?

- (a) Shyam (b) Mahesh (c) Ram (d) None of these

6. Pointing to a boy Ramesh said, "His only brother's mother is my father's wife." How is Ramesh related to that boy?

- (a) Uncle (b) Father (c) Nephew (d) Brother
(e) None of these

7. If the word KNIFE is coded as MPKHG, what do the letters DTGCF stand for?

- (a) BRADE (b) BARED (c) BRAED (d) BREAD
(e) BRDAE

8. Six boys are standing so that they form a circle each facing the centre. Alok is to the left of Prabhat. Sunil is between Ashok and Vikash. Hari is between Alok and Ashok. Who is to the left of Vikash?

- (a) Prabhat (b) Hari (c) Ashok (d) Sunil
(e) Alok

9. The following question is based on a code language in which PERCEPTION is written as QMPTMQXDCL and RELAYED is written as PMZDNMO. How is NOTICED written in that code?

- (a) LCXDOTM (b) LCXDQTOM (c) LCXDQTMO (d) CLXDQTMO

10. In a certain code language

- (1) 'po ki top ma' means 'Usha is playing cards'
(2) 'kob ja ki ma' means 'Asha is playing tennis',
(3) 'ki top sop ho' means 'they are playing football'
(4) 'po sur kob' means 'Cards and tennis'

Which word in that language means 'Asha'?

- (a) ja (b) ma (c) kob (d) top
(e) ki

11. If in a certain language THEN is coded as RLBS, then for what word AEPJ is coded?

- (a) CSAE (b) SACE (c) CASE (d) CAES

12. In a certain code language

- 'Pat Zoo Sim' means 'Eat Good Mangoes'
'Pus Sim Tim' means 'Mangoes and Sweets' and 'Tim Zoo Kit' means 'Purchase Good Sweets'.

Which word in that language means 'Good'?

- (a) Zoo (b) Pus (c) Sim (d) Tim (e) Kit

Kit

13. A class starts after lunch at 1.00 p.m. and lasts till 3.52 p.m. In this duration four periods are held. Before every period 4 minutes are allowed for going from one room to another. What is the exact duration for each period?

- (a) 42 min. (b) 39 min. (c) 41 min (d) 40 min

14. There are some cows, bulls and 45 hens in a group. One care taker looks after 15 animals. The number of bulls is twice the number of cows. If the number of head is less than the total number of feet by 186 (including the care taker), how many care takers are there?

- (a) 8 (b) 5 (c) 9 (d) 6

15. If A stands for +
B stands for -
C stands for \times
D stands for \div

What is the value of $(10 C 4) A (4 C 4) B 6$?

- (a) 46 (b) 50 (c) 56 (d) 60

16. Which of the following names will appear in the middle if they are arranged alphabetically?

- (a) Parakashji (b) Prakashji (c) Parakashjee (d)

Prakashjee

(e) Parkashji

Read the following information and answer the questions given below:

Prakash is heavier than Arun who is lighter than Varun. Prabodh is lighter than Prakash and heavier than Varun.

17. Who among them is in the third place from the top when they are arranged in descending order of their weight?

- (a) Arun (b) Prabodh (c) Varun (d) Prakash
(e) Data inadequate

18. Who among them is the heaviest?

- (a) Prakash (b) Arun (c) Varun (d) Prabodh
(e) Data inadequate

19. Sudha is taller than Pooja but shorter than Rama. Pooja is just as tall as Neha but taller than Neeru. Which of the following statements is definitely true for Neha?

- (a) Shorter than Neeru (b) Tallest among all
(c) Shortest among all (d) Taller than Neeru
(e) None of these

20. If '-' stands for addition, '+' for multiplication, ' \div ' for subtraction, ' \times ' for division, which one is wrong?

- (a) $5 - 2 + 12 \times 6 \div 2 = 27$ (b) $5 + 2 - 12 \div 6 \times 2 = 13$
(c) $5 + 2 - 12 \times 6 \div 2 = 10$ (d) $5 \div 2 + 12 \times 6 - 2 = 3$

Section-G Puzzles

Sudoku

Rule One

In every ROW, you must have each of the numbers 1, 2, 3, 4, 5, 6, 7, 8 and 9.

Rule Two

In every COLUMN, you must have each of the numbers 1, 2, 3, 4, 5, 6, 7, 8 and 9.

Rule Three

In every MINI-GRID, you must have each of the numbers 1, 2, 3, 4, 5, 6, 7, 8 and 9.

1.

			5	4		1	2	
		6	1	8			9	4
	3					9	8	5
	2		6		8		7	
7	5	8					4	
3	8			2	1	4		
	1	9		6	5			

2.



G	T	B	D	G
O	A	E	L	L
F	V	S	O	O
E	O	T	K	G

Here's an easy spelling test for you. In the above grid of twenty letters are hidden the names of twenty items found around the house. When spelling an item start at any letter and move one letter at a time horizontally, vertically or diagonally until a word is spelled. During the spelling of anyone word you cannot enter any box more than one time. If you can find more than the twenty words that we give, then you're eligible for a double gold star.

3.



One of the most famous acrobatic teams of all time was the celebrated Shanghai Six. Here they are about to perform their, record-breaking feat of standing six high on each other's shoulders. Before they take off, study this picture and count how many complete faces you see. Are there six, or five, or only one?

