

I. Read the following passage and answer the questions that follow :

10× 1 = 10

A chimpanzee is one of the great apes and the nearest in intelligence to man. Scientists have examined of its mental capacities and sent it into space in anticipation of man. Chimpanzee need little description. Being apes and not monkeys, they have no tails. Their arms are longer than their legs and they normally run on all fours. They can also walk upright with toes turned outwards. When erect they stand 3-5ft high. The hair are long and coarse, black except for a white patch near the rump. The face, ears, hands and feet are bare and except for the black face, the flesh is coloured.

Chimpanzees exhibit great concern for each other. When chimpanzees meet after having been apart they greet each other in a very human way by touching each other or even clasping hands. Chimpanzees have amazing social discipline. When a dominant male arrives, the rest of the chimpanzees hurry to pay respect to it. The dominant male is not allowed to wrest food from his interiors. The members of a party also spend considerable amount of time grooming each other and themselves. Mothers go through the fur of their babies for any foreign particles, dirt, and ticks and they aid each other when they are injured.

Chimpanzees are the best tool users apart from man. Sticks 2-3ft long are picked off the ground or broken from branches and pushed into nests, then withdrawn and the honey or insects licked off. Stones are used to crack nuts or as missiles to drive humans and baboons away from its food. Chimpanzees are not only tool users but also toolmakers. They make their own rods by observing the older chimpanzees making and using them. So man is not the only toolmaker, merely better at than his relatives.

On the basis of your reading of the passage, answer the following questions briefly:

- a) How can you say that chimpanzees are very near man?
- b) What differentiates chimpanzees from apes?
- c) What differentiates meet after having been apart from each other?
- d) How do chimpanzees receive the dominant male when it comes to them?
- e) What great quality do the chimpanzees have which reveals their great concern in times of crisis?
- f) How can you say that chimpanzees are the best tool users and tool makers?
- g) How do chimpanzees scare away humans and baboons from food?
- h) How do chimpanzees make their own rods?
- i) Give the word from the passage which means : superior and
- j) Sub-ordinate

II. In the passage given below, one word has been omitted in each line. Write the missing word along with the word that comes before and the word that comes after :

6x1=6

Before Word After

Two teenagers broke into grocery shop	___	___	___
In 1984. The two boys located what they thought the	___	___	___
cash box, dragged it from the wall, ran off.	___	___	___
When the box started ringing loudly , tried	___	___	___
hitting it a heavy iron bar. Despite their	___	___	___
attempts to stop noise they had to throw	___	___	___
the box away. They had stolen the burglar alarm	___	___	___
Now they are in police custody.			

III. Choose the appropriate words from the options given below to complete the following passage :

1x4=4

Saki's characterization of Mrs.Packletide seems to be a parody of the adventures of Isable Savory, a huntress who published a book in 1900 about her adventures, including a chapter on "Tiger-Shooting". Savory (a)_____ a sportswoman who wrote about her experiences of big-game hunting in India. Saki's story (b)_____ be considered as an allegory of the contemporary situation. Savory (c)_____ that they hunted twelve heads

during the first six weeks, including seven tigers and one panther. She

(d)_____ photographs of herself and her companion hunters.

	(i)	(ii)	(iii)	(iv)
(a)	is	will	was	has
(b)	will	can	could	would
(c)	wrote	is writing	has written	writes
(d)	published	publishes	will publish	has published

IV. Ramesh packed his luggage and went to the bus stand. He boarded the bus going to his village Shahajahanpur. It was the last bust of the day. Sadly..... Complete the story in 150words and give an appropriate title.

5 marks

V. Explain with reference to the context :

5x1=5

“Another aeroplane? Up there in this storm ? No other aeroplanes were flying to night. Yours was the only one I could see on the radar”

1. Who is the speaker here?
2. What does “Another aeroplane” refer to?
3. Who refer to “yours”?
4. Why couldn't the speaker find any aeroplanes?
5. What does “the only one” refer to?

VI. Answer the following in short (40 words)

5x2=10

1. Why was Mr keesing annoyed with Anne? What did he ask her to do?
2. What did the girls write to Wanda?
3. What does the poem tell about Amanda?
4. What does “in the world of possessions” mean?
5. Who was Ausable?

VII. Answer in detail (100-150 words) (Any one)

5 marks

1. Why does Amanda escape into dreamy world? Does she find any solace there?
2. Give a brief account of Anne's family and her diary

VIII. Answer in detail (150-200 words) (Any one)

5 marks

1. Describe the scene when Mr. Jaffers tries to arrest “a man without head”
2. Give the character sketch of Anil

30.08.2019 EVERWIN VIDHYASHRAM Marks:50
STD: X (FN) CRP – I Time:1hr45mins
(English – Part I

I. Read the following passage and answer the questions that follow : 10× 1 = 10

During our growing up years, we as children were taught – both at home and school – to worship the photos and idols of the gods of respective religions. When we grow a little older, we were to read holy books like The Bhagwad Gita, Bible and Quran ; we were told that there are a lot of life lessons to be learnt from these holy books. We were then introduced to stories from our mythologies which taught us about ethics and morality- what is good and what is bad. I also learnt to be respectful towards my parents who made my life comfortable with their hard work and love and care, and my teachers who guided me to become a good student and a responsible citizen.

Much later in life, I realized that though we learn much from our respective holy books, there is a lot to learn from our surroundings.

This realization dawned upon me when I learnt to enquire and explore. Everything around us – the sun, the moon, the stars, rain, rivers, stones, rocks, birds, plants and animals- teach us many valuable life lessons.

No wonder that besides the scriptures in many cultures, nature is also worshipped. The message that we get is to save our environment and maintain ecological balance. People are taught to live in harmony with nature and recognize that there is God in all aspects of nature.

Nature is a great teacher. A river never stops flowing. If it finds an obstacle in its way in the form of a heavy rock, the river water flights to remove it from its path or finds an alternative path to move ahead. This teaches us to be progressive in life, and keep the fighting spirit alive.

Snakes are worshipped as they eat insects in the field that can hurt our crops, thus protecting the grains for us. In fact, whatever we worship is our helper and makes our lives easy for us. There are many such examples in nature, but we are not ready to learn a lesson, Overcome with greed , we are destroying nature. As a result , we face natural disasters like drought, flood and landslides. We don't know that nature is angry with us.

However, it is never too late to learn. If we learn to respect nature the quality of our life will improve.

I. On the basis of your understanding answer the following questions:

- What are we taught in our childhood and growing up years?
- Why should we respect our parents and teachers?
- What message do we get when we worship nature?
- How does a river face an obstacle that comes in its way?
- Why are snakes worshipped?

II. Answer the following with the help of the options:

- What is the meaning of the word “harmony” ?
(i) beauty (ii) Friendship (iii) discomfort (iv) honesty
- Which of the following is a natural disaster?
(i) Thunder (ii) Lightning
(iii) Bomb explosion (iv) drought
- Identify a word which has the same meaning as “harmony”
(i) beauty (ii) friendship (iii) discomfort (iv) honesty
- Nature is a great teacher. It teaches us to be ____ in life.
(i) Good (ii) skillful (iii) progressive (iv) ideal
- The stories were introduced for us from _____
(i) methodology (ii) ecology
(iii) psychology (iv) mythologies

SECTION-B : WRITING AND GRAMMAR (5)

1. You are Sanjay/ Sanya of Nangloi, Delhi. You visited your friend admitted in municipality hospital. You observed the overcrowded corridors and unattended patients. Write a letter to the medical superintendent of municipality hospitals expressing your concern

over the lack of medical amenities and shortage of staff.

2. Rearrange the given words and phrases to form of meaningful sentences: 5X1=5

(i) can/life/only/succeed/he/in/then

(ii) age/old/to/store/water/practice/pot/is/in/an/earthen

(iii) different people/I/moment/who/amuse/me/meet/for a

(iv) this man/decides to give/the police/unless/will not/a reward/be caught

(v) ensure/a clean /we must/preservation/environment

3. The following passage has not been edited. Edit the passage with the correct word: 5 × 1 = 5

- (i) Weakened to his wounds and the long summer a) _____
day from fasting and watching on the roof b) _____
he feel sick at the night of the body of his c) _____
enemy. He was fill with regret and remorse. War, d) _____
he thought, was unhumane e) _____

SECTION- C : LITERARY BOOKS 5 × 1 = 5

I. Read the extracts carefully and answer the questions :

1. His father and mother had come around calling him shrilly, upbraiding him, threatening to let him starve on his ledge unless he flew away. But for the life of him he could not move.

- a) The word “upbraiding” means _____
b) The passage reflects that the young seagull was a _____
c) What did his parents try to make him fly ?
d) What was the condition of the seagull?
e) What was the effect of their efforts?

II. Answer the following questions: 5 × 2 = 10

1. Why does the postmaster send money to Lencho? Whom did he ask for help?
2. What side of nature do “crow” and “hemlock” represent?
3. What did Nelson Mandela pledge when he was sworn in as President?
4. What message does the poet want to carry through the poem _____ “Tiger in the zoo”?
5. Why was Maddie sure Peggy would win the dress designing contest?

III. Answer any one of the following : (5)

1. How does Wanda feel about the dresses game? Why does she say that she has a hundred dresses?

(or)

Give the character sketch of Lencho

IV. Answer any one of the following : (5)

1. “He had never been known to refuse food; he would tackle a meal at any hour of the day or night” . Herriot believed that Tricky’s problem was his agreed. Did he lack tolerance? What values would you like Tricky to imbibe? Elucidate

(or)

What are the subtle ways in which the lady manages to deceive Horace Danby into thinking she is the lady of the house? Why doesn’t Horace suspect that something is wrong?

30.08.19 EVERWIN VIDHYASHRAM Marks:50
 STD: X (AN) CRP – I Time :1hr45min
 (EXC,CAP) MATHS (Part II)

I. Answer the following: 11x1=11

1. If $\tan x = \sin 45^\circ \cos 45^\circ + \sin 30^\circ$ then $x =$ _____.
2. The mean of first 5 prime numbers _____.
3. The perimeters of 2 similar triangles are 40cm & 50cm. Then the ratio of the areas of the first and 2 triangles is _____.
4. The angle of elevation of the top of a 15m high tower at a point 15m away from the base of the tower is _____.
5. The mean of first n natural numbers is _____.
6. The algebraic sum of all the deviations of all the observation from their mean is always _____.
7. If triangle ABC is similar to triangle DEF. Such that $2AB = DE$ and $BC = 8\text{cm}$. Then EF is equal to _____.
8. Discriminant of the quadratic equation $2x^2 + x - 8 = 0$ is _____.
9. $\sqrt{\cos^2 A + 1} =$ _____
10. The roots of the quadratic equation $x^2 - 2x + 1 = 0$ are _____.
11. $\tan (90-A) =$ _____

II. Answer the following:

$$4x2=8$$

12. The angle of elevation of the top of a tower from a point on the ground, which is 30m away from the foot of a tower of height $10\sqrt{3}$ is _____.
13. The sum of two numbers is 18 and their product is 56. Find the numbers.
14. If $\tan A = \sqrt{2} - 1$, Show that $\frac{\tan A}{1+\tan^2 A} = \frac{\sqrt{2}}{4}$
15. In ΔBAC , $\angle BCA$ is a right angle and Q is the mid point of BC. Prove that $BC^2 = 4(AQ^2 - AC^2)$

III. Solve

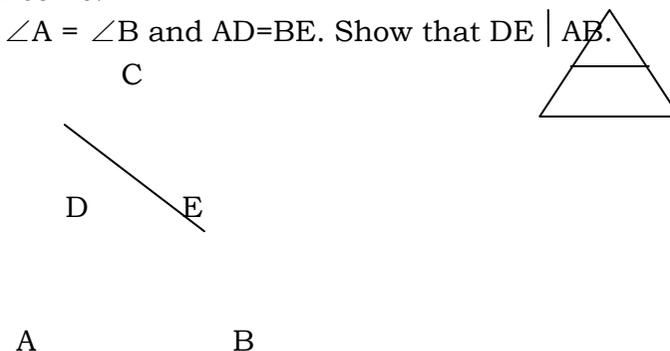
$$5x3=15$$

16. The monthly income of 100 families are given below.

Income in ₹	0-5000	5000-10000	10000-15000	15000-20000
No. Of families	8	26	41	16

Calculate the model income.

17. In the given figure $\angle A = \angle B$ and $AD=BE$. Show that $DE \parallel AB$.



18. The denominator of a fraction is one more than twice the numerator. If the sum of the fraction and its reciprocal is $2\frac{16}{21}$. Find the fraction.
19. From a point on the ground the angles of elevation of the bottom and top of a transmission tower fixed at the top of a 20m high building are 45° and 60° respectively. Find the height of the tower.
20. Evaluate:
$$\frac{\tan^2 60^\circ + 4\tan^2 45^\circ + 3\sec^2 30^\circ + 5\cos^2 90^\circ}{\operatorname{cosec} 30^\circ + \sec 60^\circ - \cot^2 30^\circ}$$

IV. Answer the following: 4x4=16

21. Prove the $\tan^2 A - \tan^2 B = \frac{\sin^2 A - \sin^2 B}{\cos^2 A \cos^2 B}$
22. From the top of a light house, the angles of depression of two ships on the opposite sides of it are observed to be 30° and 60° . If the height of the light house is h metres

and the line joining the ships passes through the foot of the light house. Show that the distance between the ships

is $\frac{4h}{\sqrt{3}}$ metres.

23. Change the following distribution to a more than type distribution and then draw its ogive

Class	Frequency
50-55	2
55-60	8
60-65	12
65-70	24
70-75	38
75-80	16

Also find the median from the ogive.

24. State and prove Pythagoras theorem.

EVERWIN VIDHYASHRAM

STD:X Comprehensive Revision Programme – I Marks:50
Mathematics – Part I Time : 1hr45mins

I. Answer the following : $11 \times 1 = 11$

1. If the system of equations $6x+2y=3$ and $Kx+y=2$ has a unique solution , then the value of K is _____
2. One card is drawn from a well-shuffled deck of 52 cards What is the probability of getting an ace ?
3. Volume of a frustum of a cone is _____
4. For the AP : $\frac{3}{2}, \frac{1}{2}, \frac{-1}{2}, \frac{-3}{2}, \dots$ Write the first term of a and the common difference d _____
5. The distance of a point P(x,y) from the origin is _____
6. The distance between two points (2,3) (4,1) is _____
7. A right circular cone , which is sliced through by a plane parallel to its base , when the smaller conical portion is removed , the resulting solid is called a _____
8. If the lines are parallel , then the pair of equations has no solution. The pair of equations is _____
9. The sum of the first n terms of an AP is given by _____
10. The probability of an impossible event is _____
11. The sum of the first 22 terms of the AP : 8 , 3 , -2 , is _____

II. Answer the following : $4 \times 2 = 8$

12. For what value of K will the pair of equations have no solution ? $3x+y=1$, $(2K-1)x + (K-1)y = 2K+1$
13. A coin is tossed two times. Find the probability of getting atmost one head
14. 2 cubes each of volume 64cm^3 are joined end to end. Find the surface area of the resulting cuboid
15. For what value of K will $K+9$, $2K-1$ and $2K+7$ are the consecutive terms of an AP ?

III. Answer the following: $5 \times 3 = 15$

16. A box contains 20 cards numbered from 1 to 20. A card is drawn at random from the box. Find the probability that the number of the card drawn is i) divisible by 2 or 3 ii) a prime number
17. A cone of height 24cm and radius of base 6cm is made up of modelling clay. A child reshapes it in the form of a sphere. Find the radius of the sphere.
18. The sum of two number is 14 and their difference is 2. Find the number.
19. In an AP , $d = 5$, $S_9 = 75$. Find a and a_9
20. Find the ratio in which the line segment joining the points (-3,10) and (6,-8) is divided by (-1,6)

IV. Answer the following : $4 \times 4 = 16$

21. Check graphically whether the pair of equations $x+3y=6$, $2x-3y=12$ is consistent. If so solve graphically
22. If A(5,2) B(2,-2) C(-2,t) are the vertices of right angled triangle with $\angle B = 90^\circ$, Find the value of t.
23. A box contains 5 red marbles , 8 white marbles and 4 green marbles .One marble is taken out of the box at random . What is the probability that the marble taken out will be
i) red ii) white iii) not green
24. A hemispherical tank full of water is emptied by a pipe at the rate of $3\frac{7}{4}$ litres/sec. How much time will it take to empty half the tank , if it is 3m in diameter ($\pi = \frac{22}{7}$) .

30.08.19

EVERWIN VIDHYASHRAM

STD: X (AN)

CRP – I

Marks:50

SCIENCE - Part II

Time : 1½ Hours

I. Choose the right option of the following statements: 3x1=3

1. Assertion[A]: P^H of ammonium chloride solution is in acidic range.

Reason [R]: Solution of salt of weak base and strong acid is acidic.

(a) Both [A] and [R] are true and [R] is the correct explanation of [A]

(b) Both [A] and [R] are true but reason [R] is not the correct explanation of [A].

(c) [A] is true but [R] is false.

(d) [A] is false but [R] is true.

(e) Both [A] and [R] are false.

2. Assertion [A] current will flow more easily through the thick wire than thin wire.

Reason[R]: Resistance is inversely proportional to the area of cross section. Thick wire has larger area and less resistance.

a) [A] is correct, [R] supports [A]

b) [A] is wrong [R] is correct

c) [A] is wrong [R] is correct.

3. Assertion (A) : Synapse facilitate the transmission of impulses from one neuron to another.

Reason(R) : Synapse produces chemical messengers called neurotransmitters.

(a) Both A and R are true but R is not the correct explanation.

(b) Both A and R are true R is the correct explanation for A

(c) A is false, R is true.

(d) A is true, R is false.

II. Fill in the blanks:

7x1=7

1. An aqueous solutions is one that has compounds dissolved in _____

2. The simplest saturated hydrocarbon is _____.

3. Nichrome is used to make the element of electric because it has _____ melting point.

4. _____ rule used to find the direction of induced to current.

5. _____ system coordinates through electrical impulses.

6. Proteins after digestion are converted into _____.

7. Photosynthesis is a _____ process.

III. Answer in one sentence:

7x1=7

1. How will you test for the gas which is liberated when hydrochloric acid reacts with an active metal?

2. Write the formula of first two members of homologous series whose functional group is ____CHO.

3. Find the maximum resistance that can be made using five resistors each of $1/5 \Omega$.

4. What is the role of split ring in an electric motor?

5. Mention the receptors for light and sound in animals?

6. Define reflex action?

7. The leaves of a plant first prepare food A by photosynthesis then food A gets converted into food B. What are food A and B?

IV. Answer in brief:

6x3=18

1. Write the chemical equation to describe how baking soda is produced on a large scale. Also write the chemical name of the products formed in the reaction. Write two uses of the salt.

2. Write the molecular formula of benzene and draw its structure. List the physical properties of covalent compounds.

3. How many 176Ω resistors (in parallel) are required to carry 5A on a 220v line?

4.a) What is meant by electromagnetic induction?

b) Describe three different ways to produce induced current in a coil of wire.

5. (a) In which form

(i) O_2 is carried to the tissues.

(ii) CO_2 moves out to the blood.

(b) In each of the following situations what happens to the rate of photo synthesis.

(i) Cloudy days

(ii) No rain fall in the area

(iii) Good manuring in the area

(iv) Stomata gets blocked due to dust

6. Why is the flow of signals in a synapse from axonal end of one neuron to dendrite end of another neuron but not reverse?

V. Answer in detail: 3x5=15

1. (a) 15ml of water and 10ml of sulphuric acid are to be mixed in a breaker.

(i) State the method that should be followed with reason.

(ii) What is this process called?

(b) Draw the structures of the following compounds.

(i) Hexanol (ii) Butanoic acid (iii) Methanal

V. Answer in detail:

2. a) Heating elements of electrical heating devices is made up of an alloy rather than a pure metal. Give reason.

b) Four resistor of 4Ω each are joined the equivalent resistance of the combination between two adjacent corner?

3. (a) Define nerve impulse? Which structure of a neuron helps to conduct a nerve impulse.

(a) Towards the cell body (b) A way from the cell body

(b) What is reflex action? Explain with the help of flow chart.

STD: X

EVERWIN VIDHYASHRAM

30.08.2019 Comprehensive Revision Programme – I Marks:50

SCIENCE - Part I Time : 1½ Hours

I. Choose the right option of the following statements: 3x1=3

1. Assertion[A] : Most of carbon compounds are good conductors of electricity

Reason [R] : They do not dissociate to form ions and remain as molecules

(a) Both [A] and [R] are true and [R] is the correct explanation of [A]

(b) Both [A] and [R] are true but reason [R] is not the correct explanation of [A].

(c) [A] is true but [R] is false.

(d) [A] is false but [R] is true.

(e) Both [A] and [R] are false.

2. Assertion [A] : No matter how far you stand from a plane mirror, image appears erect

Reason[R]: Plane mirror always form the erect images

(a) [A] s correct [R] is false

(b) [A] is false [R] is correct

(c) Both [A] & [R] are correct

(d) Both [A] & [R] are wrong

3. Assertion [A] : Pollen grains from the carpel stick to the stigma of stamen

Reason [R] : The fertilized egg cells grow inside the ovules

(e) Both A and R are true but R is not the correct explanation.

(f) Both A and R are true R is the correct explanation for A

(g) A is false, R is true.

(h) A is true, R is false.

(e) Both A and R are false

II. Fill in the blanks: 7x1=7

1. Electrolysis of water is a _____ decomposition reaction

2. The molecular formula of ethanol is _____

3. _____ lens can give an erect and enlarged image of an object

4. Speed of light in vacuum or air _____

5. The vegetative reproduction in sweet potato is done by _____

6. An eggcell of a plant is contained in an _____ present in an ovary
7. The difference from one generation to the other generation are called _____

III. Answer in one sentence:

7x1=7

1. Why is respiration considered as exothermic process?
2. Write the structures of each of the following :
(a) C_2H_5OH (b) CH_3COOH
3. Define 1D of power of lens
4. The refractive index of Kerosene is 1.44. What is the meaning of this statement
5. When a cell reproduces, what happens to its DNA?
6. Name the life process of organism that helps in the growth of its population
7. Define speciation?

IV. Answer in brief:

6x3=18

1. Distinguish between a displacement reaction and a double displacement reaction. Write examples for both the reactions
2. Complete the following :
(a) $CH_3COOC_2H_5 + NaOH \rightarrow$
(b) $CH_3COOH + NaOH \rightarrow$
(c) $CH_3COOH + CH_3CH_2OH \rightarrow$
3. A spherical mirror produces an image of magnification -1 on the screen placed at a distance of 50cm from the mirror
a) Write the type of mirror
b) Find the distance of image
c) What is the focal length of the mirror?
d) Draw the ray diagram to show the image formation in this case
4. An object of height 5cm is placed perpendicular to the principle axis of a concave lens of focal length 10cm. If the distance of the object from the optical centre of the lens is 20cm, determine the position, nature and size of the image formed using the lens formula
5. An angiosperm plant having red coloured flowers crossed with the other having the same colour produced 40 progenies, out of which 30 plants were with red coloured flowers, 10 plants were with white coloured flowers. Find out :

- a) What is the possible genotype of parent plants?
- b) Which trait is dominant and recessive?
- c) What is their cross called as and what is its phenotypic ratio?

6. a) Write one difference between asexual and sexual mode of reproduction

b) Binary fission is different in Amoeba and Leishmania

V. Answer in detail:

3x5=15

1. a) A white salt on heating decomposes to give brown fumes and a white residue is left behind

i) Name the salt

ii) Write the equation for the decomposition reaction

b) What happens when : (Write chemical equation in each case)

i) Ethanol is burnt in air?

ii) Ethanol is heated with excess conc. H_2SO_4 at 443K?

iii) A piece of sodium is dropped in ethanol?

2. a) Define focal length of spherical lens

b) A divergent lens has a focal length of 30cm

At What distance should an object of height 5cm from the optical centre of the lens be placed. So that its image is formed 15cm away from the lens? Find the size also

c) Draw a ray diagram to show that formation of image in the above case

3. a) What is fragmentation in organisms? Name a multicellular organism which reproduces by this method

b) Write the functions of the following parts in human female reproductive system

(i) Ovary (ii) oviduct (iii) uterus

