

Note-All the Questions compulsory -: Section- A

Q.1 Write an essay on “Importance of discipline for success in life.” OR “My Aim in life” [8]

Q2. The Amazon is the world’s largest tropical rainforest. It is roughly the size of the continent of Australia and covers an area of nearly 2.8 million square miles. The Amazon rainforest gets its life from the majestic Amazon River which runs through the heart of the region. Amazon is also the second largest river in the world. The rainforest is simply the drainage basin for the river and its tributaries. The vast forest consists of four layers, each featuring its own ecosystems and specially adapted plants and animals. The forest floor is the lowest region. Since only two percent of the sunlight can filter through the top layers to the understory very few plants grow there. The forest floor, however, is rich with rotting vegetation and bodies of dead animals which quickly break down and get integrated into the soil as nutrients. Tree roots stay close to these available nutrients and decomposers such as millipedes and earth worms use these nutrients for food. The understory is the layer above the forest floor. Much like the forest floor, only about 2 to 5 percent of the sunlight reaches this shadowy realm. Many of the plants in the understory have large, broad leaves to collect as much sunlight as possible. The understory is so thick that there is very little air movement. As a result, plants rely on insects and animals to pollinate their flowers. The layer above the understory is the canopy. This is where much of the action in the rainforest occurs. Many plants growing in this layer have specially adapted leaves with drip tips. Drip tips allow water to flow off the leaves and thus prevent mosses, fungi and lichens from infecting the leaves. Leaves in the canopy are very dense and filter about 80 percent of the sunlight. The canopy is where the wealth of the rainforest’s fruits and flowers grow. [5]

1. Which is the world’s second largest river?
2. How important is the Amazon River for Amazon rainforests?
3. Why do very few plants grow in the understory of the rainforests?
4. Why is there very little air movement in the understory?

Q3. You are Sagar / Swati , living at 10, nana sahib road Kanpur. You happened to see your neighbor ten year old housemaid ill-treated by the house owner. Write an E-mail to the editor of a national day in about 120 words about the prevalence of child labor in spite of strict rules laid down by the government. Or
Write an email to your father informing him about the arrival of grandparents to your home. [5]

Q4. You are Amit/Amrita, Head boy/girl of your school. Your school is organizing a tour to Mumbai and Goa during the autumn break. Write a notice in not more than 50 words giving detailed information to the students and inviting them for joining it. [4]

SECTION- B

Q.5 Change the following sentences into the passive form: [8]
 a) Our class room contains forty desks. b) Where did the man lead you? c) Did the Normans win the battle of Hastings?
 d) I did not beat her. e) I will never forget this experience f) She has written a novel.
 g) The remark offended the officer. h) The Box contains a lot of money.

Q.6 Change the speech of the following sentences: [8]
 a) The Teacher ordered the children to be silent. b) I said to him,” Who Are You?” c) HE Thanked me.
 d) I said to him,” Obey your parents. e) I said to her,” Do your work”. f) He said that he was unwell.
 g) Rama said to me,” Can you spare some money for me?” h) you say to me,” I am busy”.

Q.7 Do as instructed : [6]
 a) He must run fast to catch the train (convert into compound sentence) b) Jacob is taller than any other boy. (positive degree)
 c) I told him why I _____ that. (do) d) He is married _____ a pretty girl.(preposition)
 e) He feigns to be mad. (begin with Either) f) Do it or I shall fine you.(begin with unless)

Q8. Insert appropriate conjunction in the places left blank. [6]
 a) You must get up _____ the sun rises. b) I could not find out _____ he lived.
 c) Wait here _____ I return. d) I wish to know _____ you have been so lazy as before.
 e) I was afraid _____ he would not survive his illness. f) Take care _____ you should fall.

SECTION – A (Attempt any 6 Questions)

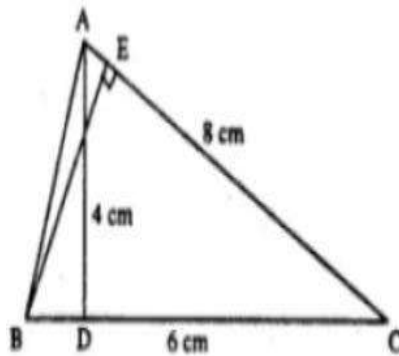
[6*5= 30]

Ques. 1) The list price of a chair is Rs. 560 and the dealer allows 25 % discount on it to the retailer . For how much should a retailer sell it to gain of 20 % ?

Ques. 2) A total amount of Rs. 1560 is to be divided among A,B,C such that A gets 50% of what B gets and B gets 20 % of what C gets How Much Will each of them get ?

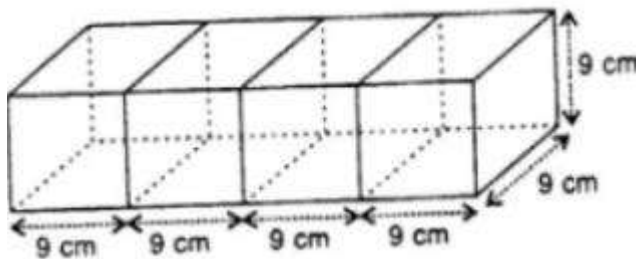
Ques. 3) Gurpreet buys a suit piece whose marked price is Rs. 2700 . The tax is 8 % . She requests the shopkeeper to reduce the price so that she is required to pay only Rs. 2700 inclusive of tax . Find the discount in the price the shopkeeper allows.

Ques. 4) Two sides of a triangle are 6 cm and 8 cm. If height of the triangle corresponding to 6 cm side is 4 cm; Find area of the triangle?



Ques 5) The length, breadth and height of a cuboid are in the ratio 5:3:2. If its volume is 240cm^3 , find its dimensions. (Dimensions means: its length, breadth and height). Also find the total surface area of the cuboid.

Ques 6) Four cubes, each of edge 9 cm, are joined as shown below Write the dimensions of the resulting cuboid obtained. Also, find the total surface area and the volume of the resulting cuboid.



Ques 7)(i) What must be added in $x^4 - x^3 + x^2 + x + 3$ to obtain $x^4 + x^2 - 1$?

(ii) Add $x^3 - x^2y + 5xy^2 + y^3$; $-x^3 - 9xy^2 + y^3$; $3x^2y + 9xy^2$

Ques 8) (i) Solve the inequality $18 - 3(2x - 5) > 12$; $x \in W$.

(ii) Solve and graph the solution: $(2x + 3)/5 > 4x - 12$, $x \in W$

SECTION – B (Attempt all Questions)

[4*5 = 20]

Ques 9) A bag contains a black ball, a red ball and a green ball, all the balls are identical in shape and size. A ball is drawn from the bag without looking into it. What is the probability that the ball drawn is: (i) a red ball (ii) a green ball (iii) a black ball

Ques 10) The length, breadth and height of a room are 6m, 5.4m and 4 m respectively. Find the area of:

(i) Its four-walls (ii) Its roof

Ques 11) On what principal will the simple interest be Rs. 7,008 in 6 years 3 months at 5% per year?

Ques 12) 22 men can dig a 27m long trench in one day. How many men should be employed for digging 135m long trench of the same type in one day?