

Q. 3 Change the voice – [4]

- a. She told me a funny story. _____
- b. I have to win the race. _____
- c. Need you to help me? _____
- d. He should have been appointed captain of the team. _____

Q.4 Fill up with the correct preposition— [5]

- a. She took revenge _____ her enemy.
- b. The cloth was spread _____ the table.
- c. Yesterday I came _____ my friend on the way.
- d. Rohan is really helpful _____ nature.
- e. He is quite negligent _____ his duties.

Q. 5 Change the speech- [4]

- a. He said to me ,”Hurrah ! I won the match.” _____
- b. He asked them if they knew about my new address. _____

Q. 6 Change the degree of adjectives – [4]

- a. He runs faster than his friend . _____
- b. No other city is as crowded as Kolkata . _____
- c. She is one of the best singers of India. _____
- d. My house is better than yours. _____

Q. 7 Read the passage given below and answer the questions --- [10]

For children too there is no greater instrument of education than the conversation they hear at home .It is unjust to them when nothing is spoken before them but the trifles of dress , the gossip of neighbourhood ,the cares of household which press too heavily upon the parents , the follies and vanities of the world , which are hardly apprehended by their innocent minds .They are naturally imitative and a great deal of their character is derived from their parents if there is no life or mirth in a house , the children of the house will be commonly dull and stupid and if they never hear subjects rationally discussed , they will not learn to think or reason. If the world in which we live is allowed to pass unheeded by , they will be without interest , listless and unobservant . This home education which they acquire insensibly is as important as the more formal work of the school , it is as much our duty to provide food for their minds as for their bodies.

- a. Why does the author call conversation an ‘instrument of education’? _____

- b. What sort of conversation does the author think bad for children ? _____

- c. Why does the author think that children may become dull and stupid? _____

- d. What conversation helps children to think and reason? _____

- e. What does the author mean by ‘ provide for their minds’? _____

Note -: DO ANY TEN

[5x10=50]

Q1-write the following sets in roster form

(1) $A_1 = \{x: 2x+3=11\} =$

(2) $A_2 = \{x: x^2-4x-5=0\} =$

Q2- (a) evaluate

(1) $3^{-1} * 9^{-1} \div 3^{-2} =$

(2) $(2^2+3^2) * (1/2)^2 =$

(b)-find the cube root of

(1) $\sqrt[3]{\frac{-27}{64}} =$

(2) $\sqrt[3]{-729 * 8000} =$

Q3-In a election between two candidates one candidate secured 43% of total votes polled and lost the election by 4900 votes .find the total number of votes polled.=

Q4-(a)-if $a=5x-3y$, $b=6x+3y$ and $c=2y-4x$ Find : $(a+b-c)$, $(2a-3b+4c) =$

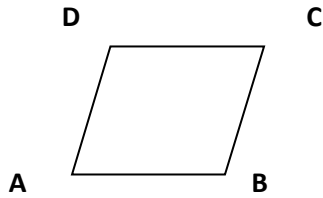
(b)-A fort had provision for 300 men for 90 days . After 20 days ,50 men left the fort .how long would the food last at the same rate.=

Q5-Expand-

(A). $(4x+5y)^2 =$

(B). $(5x-4y)^3 =$

Q.6- Prove that consecutive angles of a parallelogram ABCD are supplementary



Q.7-Construct a parallelogram ABCD, if

(1)AB=3.6cm ,BC=4.5cm and angle ABC=120 degrees.

Q.8-The base of an isosceles triangle is 12cm and its perimeter is 32cm

Find the area of the triangle =

Q.9-The diagonals of a rhombus

are 16cm and 12cm find

(a) Its area =

(b)Its perimeter =

Q.10- Find the volume of wood required to make a closed box of external dimensions 80cm ,75 cm and 60 cm the thickness of walls of the box being 2 cm throughout . =

Q.11- The total surface of area of a cylinder of diameter 10cm is 330cm^2 .find the height of cylinder?

Q.12 Mr. Gupta purchased an article for Rs.702 including tax if the rate tax is 8% .find the sale price of the article?