Amrit Public School, Mau
Dussehra holiday Homework-2018
Class-IX

English

Q1: Develop a story with the help of the following outlines in 150-200 words. Also provide a suitable to it.
Young boy ……………travelling by a train…………… has briefcase……….. containing lot a money……….befriends a fellow traveler ………………train stops at a station for a few minutes…………… goes to bring some eatables return …………… briefcase gone.

Q2: You happen to visit an orphanage and are greatly distressed to see how small children are kept in it and not well treated. You decide to write an article on 'Running an orphanage and helping the orphans to grow naturally'. Write this article using your own ideas in about 100-150 words.

Q3: Describe the narrow minded behavior of the new teacher in Abdul's class. How was he reformed?

Q4: Read one book from among the following
  a. Heidi by Johanna Spyri
  b. Black Beauty by Anna Sewell
  c. The adventures of Tom Sawyer by Mark Twain
  d. Gulliver's Travels by Jonathan Swift
  e. The wind in the willows by Kenneth Graham.

Science

1. A stone is thrown vertically upwards with the initial velocity of 40m/s. taking g=10 m/s^2,find the maximum height reached by the stone. What is the net displacement and total distance covered by the stone?

2. Joseph jogs from one end A to the other end B of a straight 300m road in 2 min 30 sec and then turns around and jogs 100m back to point C in another minute. What are Joseph's average speeds in jogging from:
   a. A to B   b. From A to C

3. Derive all three equation of motion by graphical method.

4. Draw a labeled diagram of neuron.

5. Describe the various steps involved in the separation of Iodine, Iron filings and salt from their mixture

Biology: Do worksheet no. 168 to 171.
Physics: Do worksheet no. 34,35,36,37
Chemistry: Do worksheet no. 111,112,113,114
Project:
  Aim: To improve the sound of the traditional homemade 'Tin-can' toy phone.
Survey: Perform a survey to kow how much people know about the causes of the wastage of electricity and how much do they waste. (Use survey sheet from lab manual)

S.Sc.

i. Mention the map of seasonal rainfall, annual rain fall and retreating monsoons, wild life reserves in India's map .

ii. prepare the poster on any one topic
        a. Save Girl Child
        b. Based on Universal Adult Franchise

iii. Consider the following facts about a country and decide if you would call it a democracy. Give reasons to support your decision.
  a. All the citizens of country have right to vote. Election are held regularly.
  b. The country took loan from international agencies. One of the conditions for giving loan was that government would reduce its expenses on education and health.
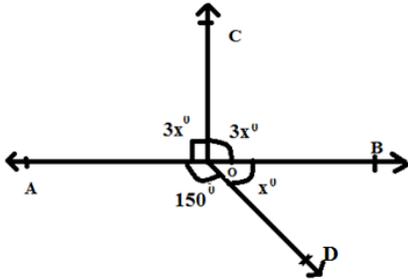
c. People speak more than seven languages but education is available only in one language, the language spoken by 52 percent people of that country

Maths

- **Do pullout worksheet no. -64,65,66,67,68,69,70 and chapter test.**
- **Solve the following questions:**

1. π is an irrational. Is it true?
2. Multiple $(\sqrt{3}+\sqrt{7})$ by $(\sqrt{3}-\sqrt{7})$.
3. Find the zero of a polynomial 2x+4.
4. If f(x)=x-9, find the value of f(x)-f(-x).
5. If $f(t)=4t^2-3t+6$, find f(4).
6. Find the point at which two coordinates axis meet.
7. Find the maximum number of points on the x-axis and y-axis.
8. Write any two solutions of x=2y.
9. Find whether $((\sqrt{3}, 0)$ is a solution of $3\sqrt{3}$ x-3y=9 or not.
10. Euclid divided the '*elements*' into how many books.
11. Three angles of a quadrilateral are respectively equal to 110^0, 60^0 and 80^0. Find its fourth angle.
12. A linear equation in one variable given by 3x+7 = 0 has how many solution(s)?
13. In which quadrant does a point lie, whose both coordinates are negative?
14. Which identity will be use to factories $y^2-\frac{x^2}{100}$?
15. Determine the value of x.

16. Express $0.4\overline{7}$ in the form $\frac{p}{q}$, where p and q are integers and q≠0.
17. Add $2\sqrt{2} + 5\sqrt{3}$ and $\sqrt{2}$ - $3\sqrt{3}$.
18. Simplify $2^{2/3} \times 2^{1/5}$.
19. Write the coefficients of x^2 in each of the following.
  (i) $\frac{\pi}{2}$ x^2+x   (ii) $\sqrt{2}$x-1
20. Find the value of k, if x=2, y=1 is a solution of the equation 2x+3y=k .

Hindi

नोट : सभी प्रश्न फाइल पेज पर करें|

१. हिन्दी शब्द कोष से 50 शब्द ढूँढकर फाइल के पेज पर लिखें|

२. अपनी पाठ्य पुस्तक में दिए गए किसी एक विषय पर संवाद लेखन तैयार करें|

३. प्रसिद्ध कवियों की रचनाओं का संकलन करें|

४. कोई एक शिक्षाप्रद कहानी लिखें|

५. स्वरचित एक कविता लिखें |