New Standard Public School, Raebareli
First Unit Test-2017-18
Subject - Computer
Class- IX

Time: 1 Hr.   M. M.:- 20

Note:- Attempt All the questions.

Q.1- Give the answer of any nine questions. Part (E) is compulsory: **(Each 1 Mark)**

(A)   What is the time period of 1st generation of computer?

(B)   What is the main component of 2nd generation of computer?

(C)   Give any two examples of Super Computer.

(D)   Write the full form of RAM.

(E)   Write the names of any 4 versions of windows operating system.

(F)   Who discovered 'Difference Engine?'

(G)   Write the full form of ENIAC.

(H)   Write the full form of ABC.

(I)   'Adding Machine' was invented in which year?

(J)   How many parts are present in Abacus? Name them.

Q.2- Give the answer of any three questions:-
(Each 2.5 Marks)

(A)   What is 'Micro Computer?'

(B)   What is CPU? Name its parts.

(C)   What is 'Hard disk?'

(D)   What is 'Application software?'

Q.3- Give the answer of any one question. (Each 3.5 Marks)

(A)   Define system software with its types.

(B)   Define all the characteristics of computer.

New Standard Public School, Raebareli
First Unit Test-2017-18
Subject - Social Science
Class- IX

Time: 1 Hr.   M. M.:- 20

Note:- Attempt All the questions.

(Very Short Answer Type Questions)

Q.1- Attempt any Nine Questions. **(Each 1 Mark)**

(a)   What is the age of our earth?

(b)   Why did early man have to keep moving from place to place?

(c)   What is the meaning of Mesopotamia?

(d)   Who was 'Shangati?'

(e)   Write name the river flowing through Egypt.

(f)   What is the meaning of Mohan-Jo-Daro?

(g)   Who was 'Laotse?'

(h)   Who got the pyramid of Gizeh constructed?

(i)   Write the names of any two animals domesticated by Indus Valley people.

(j)   What is the most scientific technique of determining the age of archaeological objects?

(Short Answer Type Questions)

Q.2- Attempt any Three Questions. **(Each 2.5 Marks)**

(a)   What is the meaning of Pre-historic Age and Historic Age?

(b)   Write short note on Hammurabi's code of Laws.

(c)   Write short note on the Great Wall of China.

(d)   Why Indus Civilization called Harappan Civilization and Harappan Civilization called Indus Civilization?

(Long Answer Type Questions)

Q.3- Attempt any One Question. **(Each 3.5 Marks)**

(a)   Write the difference between Palaeolithic Age and Neolithic Age.

(b)   What was the main causes of the downfall of the Indus Civilization?

New Standard Public School, Raebareli
First Unit Test-2017-18
Subject - Science
Class- IX

Time: 1 Hr.   M. M.:- 06

Part - A (Physics)

Note:- Attempt all the questions. Q.N0. 2(3) is compulsory.

Q.1- Attempt any three parts:-   **(Each 1 mark)**
   (a) What do you mean by least count of vernier callipers?
   (b) Express $50A^0$ in Centimetres.
   (c) What do you mean Light year?
   (d) Find the order of magnitude of 3.2×10^2m.

Q.2- Attempt any two parts: **(Each 2 marks)**
   (a) Write the difference between Fundamental units and derived units.
   (b) The edge of a solid cube is 1.2cm. Find the volume of the solid in correct significant figures.
   (c) Which is the most accurate clock?

(Chemistry) 06

Q.1- Answer any four parts. Part (d) is compulsory.   (Each 1 Mark)
   (a)   Write 'Einstein' equation.
   (b)   Define freezing point.
   (c)   Define Sublimation with an example.
   (d)   Why water start to boiling at lower temperature from its normal temperature on mountains?
   (e)   Define solid state with an example.

Q.2- Answer any one part.   **(Each 2 Marks)**
   (a)   Write four differences between evaporation and boiling.
   (b)   On the basis of Kinetic molecular theory of matter explain liquid state of matter in four points.

Part - C (Biology)

Q.1-   Attempt any three parts. Part (d) is compulsory-
                                                       (Each 1 mark)
   (a) Who is the father of Zoology?
   (b) What are cryptogams?
   (c) Give any one example of gymnospermic plant.
   (d) If chlorophyll destroys in the algae, can we call it fungi?

Q.2- Attempt any two parts:-   **(Each 2 marks)**
   (a) Explain binomial system of nomenclature with example.
   (b) Write differences between monocot and dicot plants.
   (c) Write short note on 'Lichens'.

New Standard Public School, Raebareli
First Unit Test-2017-18
Subject - Technical Drawing
Class- IX

Time: 1 Hr.   M. M.:- 20

Note:- Attempt all the questions.

Q.1-   Draw a line segment of length 5.6cm and bisect it.   (5)

Q. 2-   Draw an angle of 90^0 with the help of ruler and compass and trisect it.   (7)

Q.3-   Draw a line segment of length 7.0cm and find the 2/5th part of line segment.   (8)

OR

Draw a line segment A, B and take a point C out side of AB. Construct a parallel line C, D to A, B.

New Standard Public School, Raebareli
First Unit Test-2017-18
Subject - Maths
Class- IX

Time: 1 Hr.   M. M.:- 20

Note:- Attempt All the questions.

Q.1- Attempt any nine parts, in which part (j) is compulsory.   (Each 1 Mark)

(a) Find the degree of the polynomial $5x(x^2 + 2)$.

(b) Write the polynomial $13x^2 - 4x^5 + 7x^3 + 2x^4$ in ascending order.

(c) Find the sum of two polynomials $y^2 + y - 7$ and $y^3 + y^2 + 3y + 4$.

(d) Factorise: $49 - 64x^2$.

(e) Factorise: $x^2y + xyz + xy^2$.

(f) Factorise: $x^2 - 5x + 6$.

(g) Factorise: $2y^2 - y - 21$.

(h) Find the remainder when $P(x) = x^4 - 3x^2 + 2x + 4$ is divided by $(x - 1)$

(i) If $P(x) = x^2 + 2x + 3$ and $q(x) = (x - 1)$, then find $P(x) \times q(x)$.

(j) What should be added to make $(x^2 - 6x)$ a perfect square?

Q.2- Attempt any three parts   (Each 2.5 Marks)

(a) Factorise: $x^4 + 2x^2 + 9$.

(b) Find the value of 'a' when $(x - 1)$ is a factor of $x^3 - ax^2 + 11x - 6$.

(c) Factorise: $x^2 - (a - \frac{1}{a})x - 1$.

(d) What should be subtracted from $x^2 - 3x^3 + 2x - 4$ to get $-x^2 + 3x^3 - 2x + 4$?

Q.3- Attempt any one part:-   (Each 3.5 Marks)

(a) Factorise: $x^3 + 9x^2 + 20x + 12$.

(b) Divide $P(x)$ by $g(x)$, when $P(x) = x^4 + 1$ and $g(x) = x + 1$ and find the quotient and remainder.