

New Standard Public School, Raebareli
Half yearly Examination 2015-16
Class-VII
Subject- Maths

Time:3 Hours

M.M.-80

Note : All the questions are compulsory.

Q.1- Choose correct answer in the following questions. (Each 1 mark)

- (a) $53 + (-26)$:
 (i) 27 (ii) 79 (iii) -79 (iv) -27
- (b) Line of symmetry in equilateral triangle are :
 (i) 1 (ii) 3 (iii) 2 (iv) 4
- (c) $\frac{2}{5}$ of 40:
 (i) 26 (ii) 16 (iii) 36 (iv) 8
- (d) The number of edges in cuboid:
 (i) 6 (ii) 8 (iii) 12 (iv) 14
- (e) $(\frac{2}{3})^3$ as a rational number:
 (i) $\frac{6}{9}$ (ii) $\frac{8}{27}$ (iii) $\frac{23}{33}$ (iv) $\frac{32}{33}$
- (f) $x : 8 :: 5 : 3$, then value of x:
 (i) $\frac{40}{3}$ (ii) $\frac{15}{8}$ (iii) 120 (iv) $\frac{24}{5}$

Q.2- Solve all parts:- (Each 1.5 marks)

- (a) Express $\frac{5}{8}$ as a rational number with numerator 15.
 (b) Find the product: $3a^2 \times 8a^4$.
 (c) Solve : $3 + 2x = 1 - x^0 + 8$.
 (d) If 15 oranges cost ₹ 110, what do 39 oranges cost?

Q.3- Solve all parts:- (Each 3 marks)

- (a) If 3% of x is 9. Find the value of x.
 (b) Find the SP when: CP = ₹ 950, Gain % = 6%.
 (c) Find simple interest and amount when:
 Principal = ₹ 6400, rate = 6% p.a., time = 2 years.
 (d) Find complement and Supplement of angles 35° , 47° , 85° .

Q.4- Solve all parts:- (Each 3 marks)

- (a) Arrange the following decimals in ascending order:
 4.6, 7.4, 4.58, 7.32, 4.06, 14.702
- (b) Find the area of parallelogram with base 32cm and height 16.5cm.
- (c) Represent $\frac{2}{3}$ and $-\frac{2}{3}$ on the number line:
- (d) Find x such that $(\frac{3}{5})^3 \times (\frac{3}{5})^{-6} = (\frac{3}{5})^{2x-1}$

Q.5- Solve all parts:- (Each 4 marks)

- (a) If $A : B = 7 : 5$ and $B : C = 9 : 14$, find $A : C$.
 (b) Convert each of the following into a percentage:
 (i) $\frac{9}{20}$ (ii) 0.5 (iii) 16:25 (iv) $6\frac{1}{4}$
 (c) If $a = -9$ and $b = -6$, show that $(a - b) (b - a)$.
 (d) By how much should 32.67 be increased to get 60.1?

Q.6- Solve all parts:- (Each 4 marks)

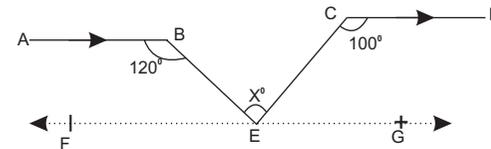
- (a) Simplify:
 (i) $\frac{3}{5} \times \frac{7}{11}$ (ii) $\frac{7}{10} \div \frac{3}{5}$ (iii) $\frac{5}{9} + \frac{3}{9}$ (iv) $\frac{2}{3} - \frac{1}{4}$
- (b) Add $5x - 2x^2 - 8$, $8x^2 - 7x - 9$, $3 + 7x^2 - 2x$.
- (c) Twice a number when decreased by 7 gives 45. Find the number.
- (d) Show that the numbers 22, 33, 42, 63 are in proportion.

Q.7- Solve all parts:- (Each 6 marks)

- (a) The area of a rhombus is 148.8cm^2 . If one diagonal is 19.2cm. Find the length of the other diagonal.

OR

In the given figure, $AB \parallel CD$, $\angle ABE = 120^\circ$, $\angle ECD = 100^\circ$ and $\angle BEC = x^\circ$. Find the value of x.



- (b) Multiply: $\frac{-8}{21} x^2 y^3$ by $\frac{-7}{16} xy^2$ and verify your result for $x = 3$ and $y = 2$.

OR

The sides of a triangle are in the ratio 13 : 14 : 15 and its perimeter is 84cm. Find the area of triangle.

(P.T.O.)

New Standard Public School, Raebareli
Half Yearly Examination 2015-16
Class-VII E
Subject- Social Science

Time:3 Hours **M.M.-80**

Note :- The question paper has been divided into four sections all sections are compulsory.

Section -A (History)

Note :- All question are compulsory-

Q.1- Choose correct option (Each 2 marks)

- (a) Medieval period in India covers the period from:
(i) 500 AD to 1200 AD (ii) 400 AD to 1800 AD.
(iii) 900 AD. to 1500 AD (iv) 700 AD to 1800 AD.
- (b) Who was known as Akbar of Kashmir?
(i) Ilyas Shahi (ii) Husain Sahi
(iii) Ala-ud-din Bahman (iv) Zain-ud- Alidin
- (c) Bairam khan was the regent of:
(i) Babur (ii) Humayun (iii) Akbar (iv) Jahangir
- (d) Qutub Minar has:
(i) 278 steps (ii) 318 steps (iii) 378 steps (iv) 478 steps

(Very short answer type questions)

Note: All questions are compulsory. (Each 2 marks)

- Q.2- When was the first battle of Tarain fought?
Q.3- Which was the first dynasty of Delhi sultanate?
Q.4- Who founded Lodi dynasty?
Q.5- Who established Jaunpur?
Q.6- Who invited Babur in India?
Q.7- Who built 'Adhai Din Ka Johnpra'?

(Short answer type question)

Note: Answer any two questions: (Each 3 marks)

- Q.8- Name four major castes.
Q.9- What are monuments?
Q.10- What was mansabdari system?

(Long answer Type question)

Note: Answer any one of the following questions: (Each 4 marks)

- Q.11- Briefly explain the life style and occupations of tribal people.

Or

What was the new change in the style of architecture during Mughal Period?

Section -B (Geography)

Note:- All question are compulsory.

Q.12- Choose correct option :- (Each 2 marks)

- (a) Ozone layer absorbs:
(i) Infra red rays (ii) Ultra violet rays
(iii) Both of these (iv) None of these
- (b) Indira point is located in the:
(i) Tamil Nadu (ii) Andaman and Nicobar
(iii) Andhra Pradesh (iv) Chennai

(P.T.O.)

(Very short answer type questions)

Note: All questions are compulsory. (Each 2 marks)

- Q.13- Write main advantage of study of geography.
Q.14- By which instrument earthquake waves are measured?
Q.15- What is the temperature of inner core of the earth?

(Short answer type questions)

Note: Answer any two questions: (Each 3 marks)

- Q.16- What do you mean by settlements?
Q.17- What are high tides?
Q.18- What is atmosphere?

(Long answer type questions)

Note: Answer any one of the following questions: (Each 4 marks)

- Q.19- Explain the different types of water ways.

OR

Describe cold deserts.

Section-C (Civics)

Note: All question are compulsory.

Q.20- Choose correct option :- (Each 2 marks)

- (a) Kratos means:
(i) Power (ii) Common people
(iii) Both of these (iv) None of these
- (b) Money bills are introduced in:
(i) Upper house (ii) Lower house
(iii) Both of these (iv) None of these

(Very short answer type question)

Note: All question are compulsory. (Each 2 marks)

- Q.21- When was French Revolution happened?
Q.22- When were India's first general elections held?
Q.23- What is the meaning of health according to W.H.O.?

(Short answer type questions)

Note: Attempt any two questions. (Each 3 marks)

- Q.24- What do you mean by Media?
Q.25- What is the role of a girl in Society?
Q.26- What is N.R.H.M.?

(Long answer type questions) (Each 4 marks)

- Q.27- What do you mean by social advertising?

OR

Explain the contribution of Media in a modern society.

Section -D (Map Work)

Note: Answer the following questions in your copy and show these places on the map of India.

- Q.28- The place where Vidhan Sabha of U.P. is situated. (1+1)
Q.29- The place where Kailsah Nath temple is situated. (1+1)
Q.30- The place where Taj Mahal is situated. (1+1)
Q.31- The sea situated in west of India. (1+1)
Q.32- Ocean situated South to India. (1+1)

Name:----- Roll NO.----- Sig. Of Invigilator-----

New Standard Public School, Raebareli
Half Yearly Examination 2015-16
Class-VII
Subject- Art

Time:3 Hours

M.M.-100

Note : Attempt any one question from the all sections.

(Section - A) 40 marks

Note:- Use Water colour:

- Q.1- Draw design in Rectangle and colour it. (Length is 15cm. Breadth = 5cm.)
Q.2- Draw Eight colour circle and colour it. (6cm.)radius))
Q.3- Draw design in Half circle and colour it. (Radius 6cm.)

(Section - B) 30 marks

Note: Use Pencil Colour:

- Q.1- Draw a Landscape and colour it.
Q.2- Draw a Greeting card and colour it.
Q.3- Draw fruits composition and colour it.

(Section - C) 30 marks

Note: Use Pencil Shade:

- Q.1- Draw any four objects and shade it.
Q.2- Draw any two musical instruments and shade it.
Q.3- Draw any four tools and shade it.

New Standard Public School, Raebareli
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Class-VII
Subject-Science

Time:3 Hours

M.M.-80

Note: All questions are compulsory:

Section-A (Physics) (28 marks)

Q.1- Choose the correct answer in the following:- (Each 1 mark)

- (a) Radiation:
 (i) Does not require a material medium
 (ii) Is the process of the transfer of heat in which heat travels in one direction.
 (iii) Is the process of the transfer of heat in liquids.
 (iv) Occurs in solids.
- (b) A drop of water on a leaf forms a magnified image of the veins because of:
 (i) refraction (ii) Reflection
 (iii) Radiation (iv) Rectilinear Propagation

Q.2- Fill in the blanks : (Each 1 mark)

- (a) Twister and whirlwind are alternative name for a _____.
 (b) A convex mirror is one in which the reflecting surface bulges _____.

Q.3- Write true or false against each statement. (Each 1 mark)

- (a) Air is a bad conductor of heat. ()
 (b) Light travels in straight lines. ()

Q.4- Match the following : (Each .5 mark)

- | Column A | Column B |
|-----------------|---------------------|
| (a) Anemometre | (i) funnel - shaped |
| (b) Tornado | (ii) Wind speed |
| (c) White light | (iii) M/s |
| (d) Speed | (iv) Colourless |

Q.5- Answer any 5 of the following question. Question 'f' is compulsory. (Each 2 marks)

- (a) What causes winds?
 (b) What is the low pressure centre of a cyclone called?
 (c) Write three properties of the image formed by a plane mirror.
 (d) What is temperature? Name the scales used to measure it.
 (e) What is the relation between the incident ray, the reflected ray and the surface of a plane mirror?
 (f) Why we do not generally drink not tea or coffee in a steel cup.

Q.6- Answer any 2 of the following questions : (Each 3 marks)

- a) What is air pressure? How does it determine the kind of weather a place will have?
 (b) What is the time period of a Pendulum?
 (c) What happens when parallel rays of light fall on a curved reflection surface?

Q.7- Answer any 1 of the following questions : (Each 4 marks)

- (a) What safety measures can one take to protect oneself from a cyclone?
 (b) Explain why:
 (i) Two thin sweaters feel warmer than one thick sweater.
 (ii) Explain how land breezes originate.

(P.T.O.)

Section-B(Chemistry) (24 marks)

Q.1- Choose the correct answer in the following:- (Each 1 mark)

- (a) The valency of sulphure in Sulphure dioxide is:
 (i) 1 (ii) 2 (iii) 3 (iv) 4
- (b) Rusting takes place in:
 (i) Air - free moisture (ii) Moisture - free air
 (iii) Moist air (iv) None of these

Q.2- Fill in the blanks: - (Each 1 mark)

- (a) The sour things we eat contain _____.
 (b) A _____ is an abbreviation of the name of an element.

Q.3- Write true or false against each statement; (Each 1 mark)

- (a) The symbole of Silver is Au. ()
 (b) Lemon juice gives carbon dioxide with baking soda. Will it give carbon dioxide with marble too. ()

Q.4- Match the following : (Each .5 marks)

- | Column A | Column B |
|--------------------------|----------------------------------|
| (a) Mulberry | (i) Burning of carbon |
| (b) Combination Reaction | (ii) The best feed for silk worm |
| (c) Mercury | (iii) In making vinegar |
| (d) Acetic Acid | (iv) Hg. |

Q.5- Answer any three of following question. Questions (a) is compulsory. (Each 2 marks)

- (a) What are you take when you have hyper acidity.
 (b) What are soluble bases called?
 (c) Which is the best season for the shearing.
 (d) What is a balanced chemical reaction.

Q.6- Answer any two of the following questions : (Each 3 marks)

- (a) What are raw silk and spun silk.
 (b) What are the general properties of basic substances?
 (c) find the valencies of the underlined elements or radicals in the following compounds:
 PCl_5 , $NaOH$, NH_3 .

Q.7- Answer any one of the following questions: (Each 4 marks)

- (a) Discuss the chemical properties of wool.
 (b) Giving one example of each kind, show that a change in energy takes place when a physical or a chemical change occurs.

Section -C (Biology)**(28 marks)****Q.1- Choose the correct in following: (Each 1 mark)**

- (a) Iodine makes starch turn:
(i) Blue- black (ii) Green (iii) Colourless (iv) Red
- (b) Hard layer of rocks below the c-horizon is:
(i) Bottom Rock (ii) Substratum (iii) Bed Rock (iv) Gravel

Q.2- Fill in the blanks: (Each 1 mark)

- (a) Ferns and mosses reproduce by _____.
- (b) Lungs have millions of air sacs called _____.

Q.3- Write true or false against each statement. (Each 1 mark)

- (a) Smallest particles of soil are called clay. ()
- (b) The finger like folds in the wall of the small intestine are called alimentary canal. ()

Q.4- Match the following : (Each .5 marks)

- | Column I | Column II |
|---------------------------|---|
| (a) Haemoglobin | (i) Wheat and Rice |
| (b) Polar | (ii) Fermentation |
| (c) Anaerobic Respiration | (iii) Protein that helps transport oxygen |
| (d) Alluvial Soil | (iv) Mosses |

Q.5- Answer any 5 of following questions. Question 'a' is compulsory: (Each 2 marks)

- (a) Why Roti starts tasting sweet when you chew it.
- (b) Name a holozoic animal that is not a herbivore, carnivore. or omnivore.
- (c) Why is the heart divided into halves by a thick wall?
- (d) What kind of a thermometer is used to measure the maximum and minimum temperature?
- (e) What happens to the ovary after fertilisation?
- (f) What is respiration rate?

Q.6- Answer any two of the following question: (Each 3 marks)

- (a) Write about two special features related to the teeth of a herbivore.
- (b) How do camels survive in deserts?
- (c) What is a unisexual flower? Name one such a flower be self-pollinated?

Q.7. Answer any one of the following question. (Each 4 marks)

- (a) What is special about a ruminant's stomach? How does it help the animal digest vegetable matter?
- (b) What are nephrons? How do they help in the excretion of waste?