SHRI JAIN PUBLIC SCHOOL, BIKANER
HOLIDAY HOMEWORK
(2017–18)

CLASS – VIII

A PARENT'S LOVE

No gift on earth is greater.
No treasure held above,
The joy that comes from knowing
A parent's endless love.
In spite of how it's tested,
It grows from year to year,
Providing strength and comfort
It always draws us near.
It warms and it protects us
And guides as from afar,
Shedding light upon us,
Like a bright and shining star,
And when all things are measured
Not one shall rise above
Or be compared in value
To a parent's endless love

Dear Children

We are sure that all of you must have made plans to enjoy your vacations like visiting your grandparents, relatives, friends, watching television during the day, taking a dip in the swimming pool and joining some activity classes with your friends.

We wish that you enjoy every minute of this long break. It will be great if you are able to find time to visit places, read story books, help your parents and grandparents, go for morning walks and play in the evening during your long summer break

Wishing all of you a very enjoyable and fun packed vacation.

Note:–

1. All written work to be done in respective subject notebooks
2. Students' own creativity and work will be appreciated. Parents are requested not to do the work.
3. Stay indoors in the afternoon.
4. Drink plenty of water every day.
5. Read newspaper daily and listen news headlines to keep yourself updated.
6. Learning the poem *A PARENT'S LOVE* is compulsory.

ENGLISH

Q.1   Prepare an attractive Mini Diary mentioning "How I spent my Summer Break". Paste related pictures (5 each) and write 4 lines about there

     (i)   Person I met

     (ii)   Food I ate

     (iii) Places I visited

Q.2   (i)   Do comprehension passage no. 1 at page no. 182 & 183 in grammar book

     (ii)   Do Ex-A at page no. 171 in you English Grammar copy.

     (iii) Learn the syllabus done in month of April and May.

Q.3   Write a formal letter as you are Rohit/Rohini of A-64 Preet Vihar, New Delhi. You recently bought a cell phone from Sai Nath Electronics. It is not working to your satisfaction. Write a letter to the manager of the store requesting him/her to replace the product. Do mention the date of purchase, model number and other relevant details.

हिन्दी

क.   अनुच्छेद लेखन– हँसी का महत्व (हिन्दी ब पेज न. 287) कॉपी में लिखिए

ख.   संवाद लेखन– गरमी के मौसम में पानी के संकट पर दो पड़ोसियों में संवाद लिखिए। (छात्र स्वंय करे)

MATHS

A.   Solve the **WORKSHEET** given at the end.

SCIENCE

A.   Solve the **WORKSHEET** given at the end.

LEARN ALL THE WORK DONE IN BOOKS AND NOTEBOOKS FOR ALL THE SUBJECTS FOR TERM 1 EXAM TO BE HELD IN A THE MONTH OF JULY

LEARN TO BE SAFE:

* Do not go out alone without an elder to accompany you.

* Never talk to strangers.

* Do not accept gifts/eatables from strangers.

* Play in a fenced area and not on streets.

* Scream for help in case you feel you are in danger.

* Memorise your parent's phone numbers.

* If you find yourself lost in a market ask for someone to give a call to your parents.

LEARN TO BE RESPONSIBLE AND DEVELOP PERSONAL SKILLS:

* Take up one task everyday and figure out how you will complete this task.

* Keep things in their proper places so as to keep your bedroom clean.

* Help your mother in laundary.

* Water the plants.

* Dust and clean your room.

* Look after your younger brother or sister.

* Set the dining table for your family.

* Feed your pet if you have one.

DEVELOP PERSONAL HYGIENE:

* Keep your surroundings clean.

* Trim your nails once a week.

* Early to bed, early to rise, Plenty of sleep helps you concentrate.

* Wash your hands before and after meals.

* Wash your hair and keep it neat by combing.

* Bath or shower daily. Wash hands after using the toilet.

* Eat a healthy and balanced diet.

SHRI JAIN PUBLIC SCHOOL
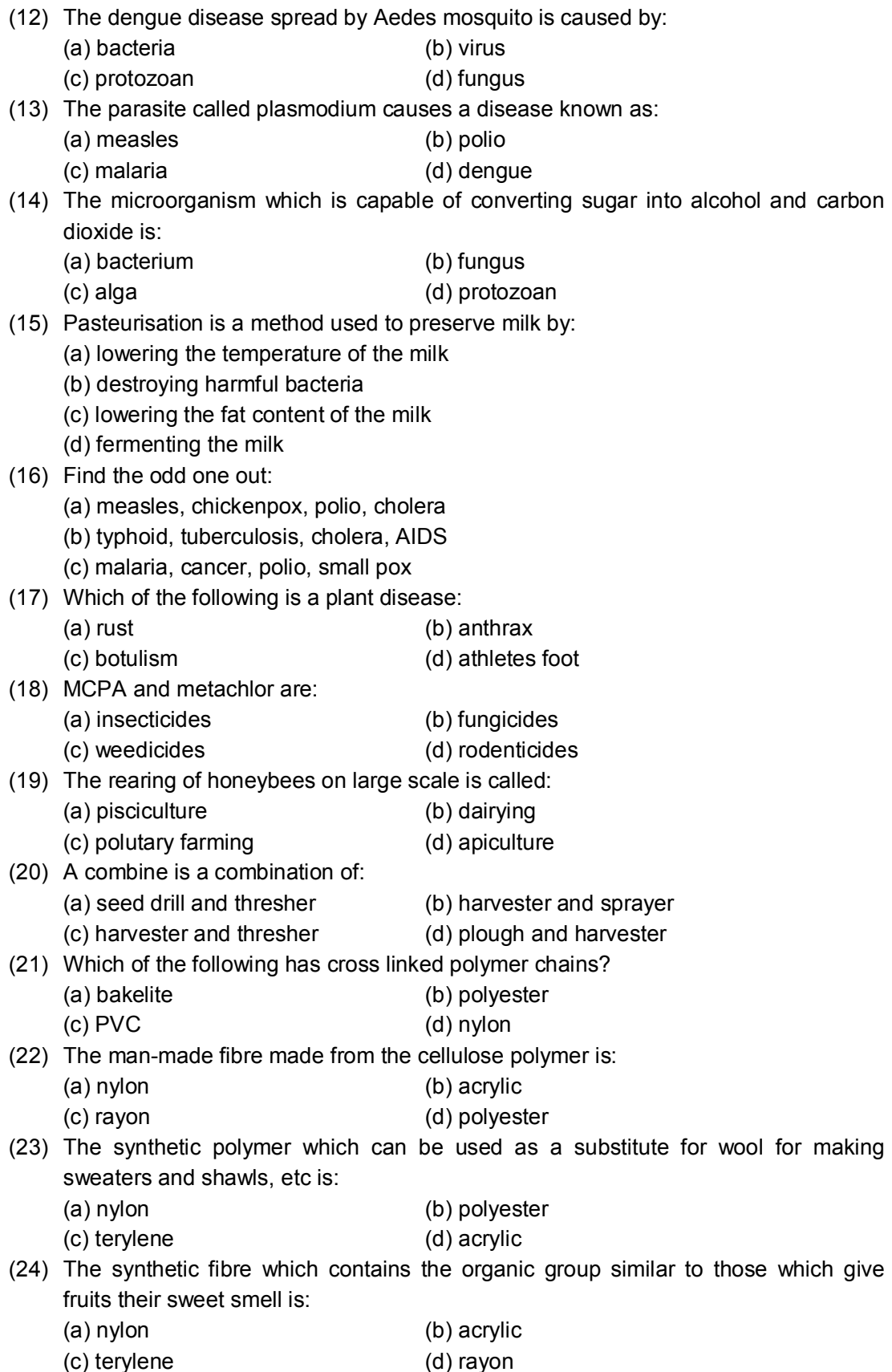## Class -VIII

HOLIDAY HOMEWORK **Sub- Science** Ch 1–4
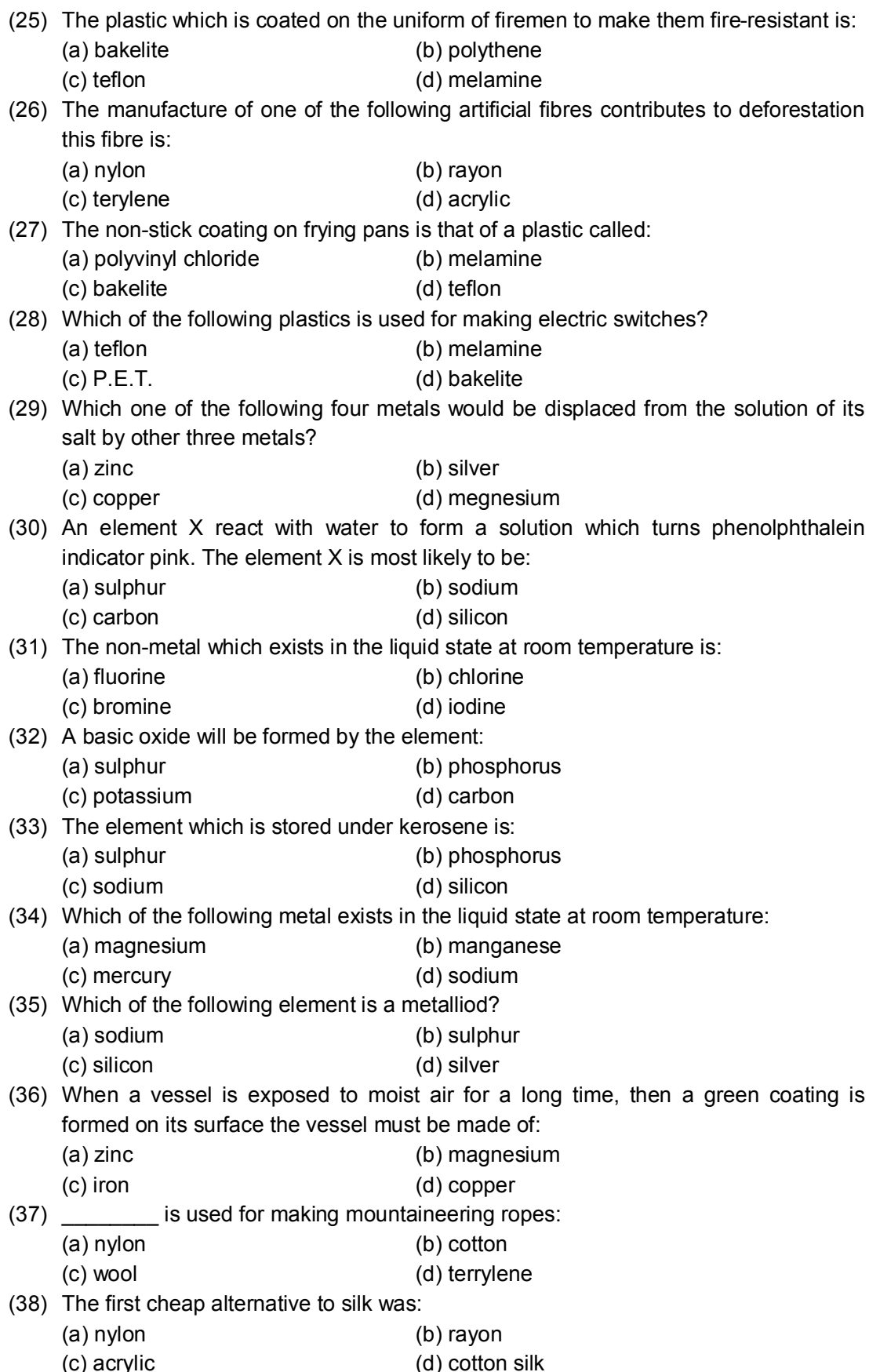
NAME _____

Q.1 Multiple choice questions:

(1) Which of the following crops would enrich the soil with nitrogen:
   (a) apple (b) pea
   (c) paddy (d) potato

(2) Fish liver oil is rich in:
   (i) Vitamin A (ii) Vitamin B
   (iii) Vitamin C (iv) Vitamin D
   (a) a and b (b) b and c
   (c) a and d (d) only d

(3) Tomatoes are cultivated by the practice called:
   (a) transpiration (b) translocation
   (c) transportation (d) transplantation

(4) The process of beating out grains from the harvested wheat crop is called:
   (a) beating (b) crushing
   (c) threshing (d) weeding

(5) The Government Agency responsible for purchasing grain from the farmers, safe storage and distribution is:
   (a) CBI (b) FBI
   (c) FCI (d) FDI

(6) The bread dough rises because of:
   (a) heat (b) grinding
   (c) growth of yeast cells (d) kneading

(7) Yeast is used in the production of:
   (a) sugar (b) alcohol
   (c) hydrochloric acid (d) oxygen

(8) The vaccine for small Pox was discovered by:
   (a) Alexander Fleming (b) Edward Jenner
   (c) Louis Pasteur (d) Rober Koch

(9) The first antibiotic called penicillin was extracted from:
   (a) bacterium (b) protozoan
   (c) fungus (d) algae

(10) Which of the following increases the fertility of soil?
   (A) Lactobacillus bacteria (B) Rhizobium bacteria
   (C) Spirogyra algae (D) Blue green algae
   (a) a and b (b) b and c
   (c) a and d (d) b and d

(11) The micro organism which can reproduce and multiply only inside the cells of other organism are:
   (a) protozoa (b) fungi
   (c) bacteria (d) viruses

(12) The dengue disease spread by Aedes mosquito is caused by:

(a) bacteria   (b) virus

(c) protozoan   (d) fungus

(13) The parasite called plasmodium causes a disease known as:

(a) measles   (b) polio

(c) malaria   (d) dengue

(14) The microorganism which is capable of converting sugar into alcohol and carbon dioxide is:

(a) bacterium   (b) fungus

(c) alga   (d) protozoan

(15) Pasteurisation is a method used to preserve milk by:

(a) lowering the temperature of the milk

(b) destroying harmful bacteria

(c) lowering the fat content of the milk

(d) fermenting the milk

(16) Find the odd one out:

(a) measles, chickenpox, polio, cholera

(b) typhoid, tuberculosis, cholera, AIDS

(c) malaria, cancer, polio, small pox

(17) Which of the following is a plant disease:

(a) rust   (b) anthrax

(c) botulism   (d) athletes foot

(18) MCPA and metachlor are:

(a) insecticides   (b) fungicides

(c) weedicides   (d) rodenticides

(19) The rearing of honeybees on large scale is called:

(a) pisciculture   (b) dairying

(c) polutary farming   (d) apiculture

(20) A combine is a combination of:

(a) seed drill and thresher   (b) harvester and sprayer

(c) harvester and thresher   (d) plough and harvester

(21) Which of the following has cross linked polymer chains?

(a) bakelite   (b) polyester

(c) PVC   (d) nylon

(22) The man-made fibre made from the cellulose polymer is:

(a) nylon   (b) acrylic

(c) rayon   (d) polyester

(23) The synthetic polymer which can be used as a substitute for wool for making sweaters and shawls, etc is:

(a) nylon   (b) polyester

(c) terylene   (d) acrylic

(24) The synthetic fibre which contains the organic group similar to those which give fruits their sweet smell is:

(a) nylon   (b) acrylic

(c) terylene   (d) rayon

(25) The plastic which is coated on the uniform of firemen to make them fire-resistant is:
(a) bakelite
(b) polythene
(c) teflon
(d) melamine

(26) The manufacture of one of the following artificial fibres contributes to deforestation this fibre is:
(a) nylon
(b) rayon
(c) terylene
(d) acrylic

(27) The non-stick coating on frying pans is that of a plastic called:
(a) polyvinyl chloride
(b) melamine
(c) bakelite
(d) teflon

(28) Which of the following plastics is used for making electric switches?
(a) teflon
(b) melamine
(c) P.E.T.
(d) bakelite

(29) Which one of the following four metals would be displaced from the solution of its salt by other three metals?
(a) zinc
(b) silver
(c) copper
(d) megnesium

(30) An element X react with water to form a solution which turns phenolphthalein indicator pink. The element X is most likely to be:
(a) sulphur
(b) sodium
(c) carbon
(d) silicon

(31) The non-metal which exists in the liquid state at room temperature is:
(a) fluorine
(b) chlorine
(c) bromine
(d) iodine

(32) A basic oxide will be formed by the element:
(a) sulphur
(b) phosphorus
(c) potassium
(d) carbon

(33) The element which is stored under kerosene is:
(a) sulphur
(b) phosphorus
(c) sodium
(d) silicon

(34) Which of the following metal exists in the liquid state at room temperature:
(a) magnesium
(b) manganese
(c) mercury
(d) sodium

(35) Which of the following element is a metalliod?
(a) sodium
(b) sulphur
(c) silicon
(d) silver

(36) When a vessel is exposed to moist air for a long time, then a green coating is formed on its surface the vessel must be made of:
(a) zinc
(b) magnesium
(c) iron
(d) copper

(37) _____ is used for making mountaineering ropes:
(a) nylon
(b) cotton
(c) wool
(d) terrylene

(38) The first cheap alternative to silk was:
(a) nylon
(b) rayon
(c) acrylic
(d) cotton silk

(39) Aluminium foil is used for wrapping food because:

(a) it is ductile   (b) it is malleable

(c) it is good conductor of heat   (d) it is sonorous

(40) Food cans are coated with tin and not zinc because:

(a) zinc is costlier than tin   (b) zinc has higher melting point than tin

(c) zinc is more reactive than tin   (d) zinc is less reactive than tin

(41) _____ is an alloy made by mixing tin and lead:

(a) bronze   (b) duralumin

(c) solder   (d) silver

(42) The constituent element of brass are:

(a) copper and zinc   (b) copper and tin

(c) alminium and copper   (d) copper and nickel

(43) A uniform protective layer of aluminium oxide is formed on an aluminium object by the process of:

(a) greasing   (b) dissolving

(c) painting   (d) anodising

(44) A homogeneous mixture of two or more metals or metals along with some non-metals is known as:

(a) rusting   (b) alloy

(c) electroplating   (d) copper carbonate

Q.2 Give one word for the following:

(1) The process of digging and loosening of the soil.

Ans. _____

(2) Rod shaped bacteria.

Ans. _____

(3) The simplest microscopic tiny plants.

Ans. _____

(4) Name the instrument which is needed to see the micro-organism.

Ans. _____

(5) Name the scientist who discovered penicillin.

Ans. _____

(6) A plastic which is a substitute for glass it is transparent and unbreakable.

Ans. _____

(7) It is also known as artificial silk.

Ans. _____

(8) What is the general name of the element whose properties are intermediate between those of metals and non metals?

Ans. _____
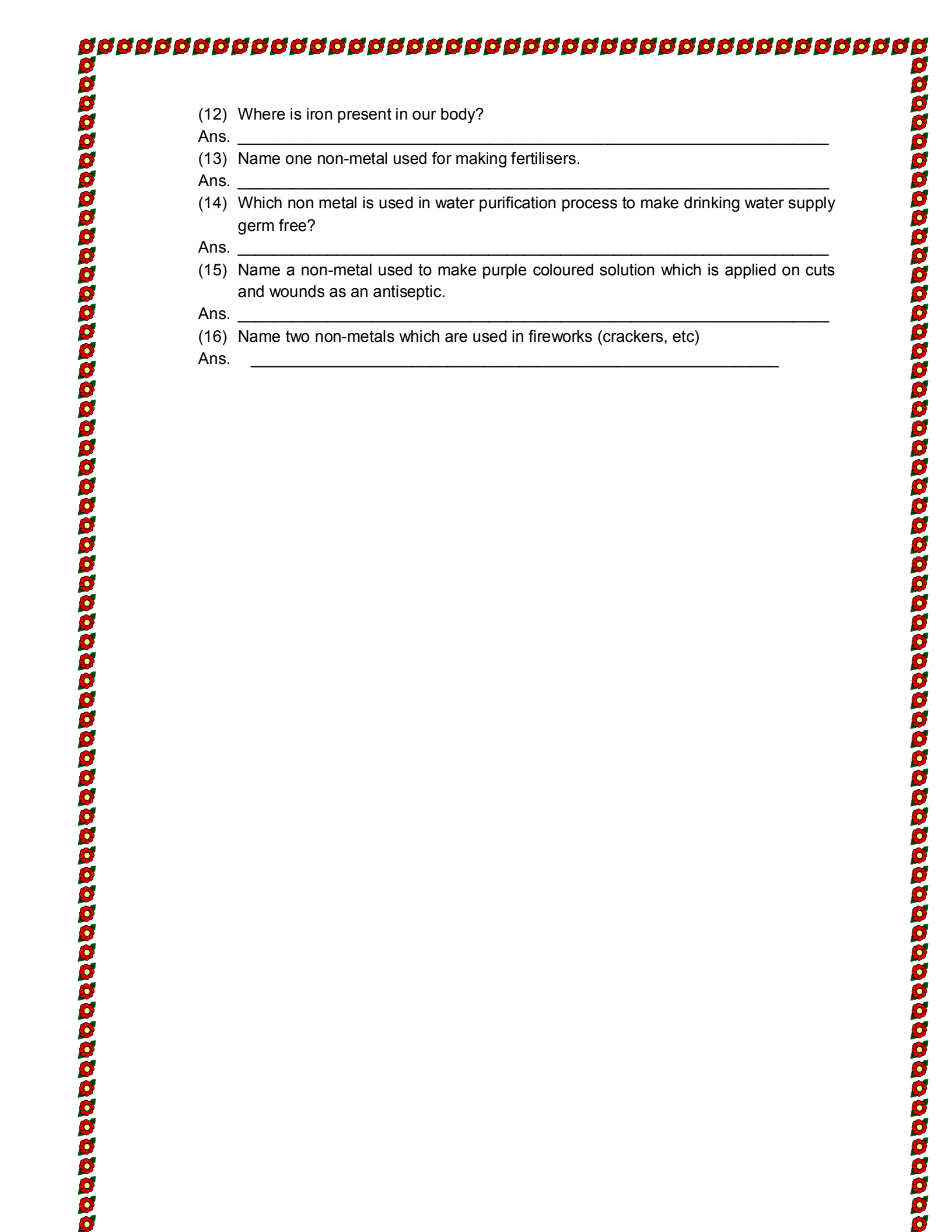
(9) Name a non metal which is very hard.

Ans. _____

(10) Name a non-metal which is a good conductor of electricity.

Ans. _____

(11) Name the metal which is used to make thin foils for packaging medicines chocolates and food items.

Ans. _____

(12) Where is iron present in our body?

Ans. _____

(13) Name one non-metal used for making fertilisers.

Ans. _____

(14) Which non metal is used in water purification process to make drinking water supply germ free?

Ans. _____

(15) Name a non-metal used to make purple coloured solution which is applied on cuts and wounds as an antiseptic.

Ans. _____

(16) Name two non-metals which are used in fireworks (crackers, etc)

Ans. _____

SHRI JAIN PUBLIC SCHOOL
Class -VIII

HOLIDAY HOMEWORK **Sub- Maths**

NAME _____

Q.1 Find the additive inverse of each of the following:

(i) $\dfrac{35}{-3}$ (ii) -21

(iii) $\dfrac{-3}{-4}$ (iv) $\dfrac{6}{125}$

Q.2 Find the multiplicative inverse of each of the following, if it exists:

(i) -3 (ii) 0

(iii) $\dfrac{1}{49}$ (iv) $\dfrac{9}{-21}$

Q.3 Represent the following rational numbers on the number line:

(i) $-\dfrac{3}{13}$ (ii) $\dfrac{4}{10}$

(iii) $\dfrac{-2}{-5}$ (iv) $\dfrac{18}{8}$ (v) $-\dfrac{23}{5}$

Q.4 Find 10 rational numbers between -7 and 7.

Q.5 Find 5 rational numbers between -4 and -3.

Q.6 The sum of two rational numbers is $-\dfrac{15}{23}$. If one of the numbers is $\dfrac{-7}{20}$, find the other.

Q.7 Find the sum of the additive inverse and the multiplicative inverse of 9.

Q.8 Find the product of the additive inverse and the multiplicative inverse of $-\dfrac{1}{3}$

Q.9 Simplify the evaluate:

(i) $\dfrac{49 \times z^{-3}}{7^{-3} \times 10 \times z^{-3}}$ (ii) $\left(\dfrac{1}{4}\right)^{-2} + \left(\dfrac{1}{2}\right)^{-2} + \left(\dfrac{1}{3}\right)^{-2}$

(iii) $\left(\left(-\dfrac{3}{2}\right)^{2}\right)^{3} \times \left(\dfrac{1}{3}\right)^{-4} \times 3^{-1} \times \dfrac{1}{6}$

Q.10 Express each of the following as a power of rational number:

(i) $\dfrac{-125}{343}$ (ii) $\dfrac{-625}{10000}$

Q.11 Find the value of x in each of the following:

(i) $3^{5-x} \times 3^{2x} = 3^{-9}$ (ii) $\left(\dfrac{5}{4}\right)^{-3} \times \left(\dfrac{4}{5}\right)^{-4x} = \left(\dfrac{5}{4}\right)^{-19}$

Q.12 Write the following numbers in the standard form:

(i) 6700000000 (ii) 0.0000007

(iii) 0.00000000512 (iv) $\dfrac{1.5 \times 10^{6}}{2.5 \times 10^{-4}}$

Q.13 Write the following numbers in their usual form:

(i) 2.23×10^{7} (ii) 3.57×10^{-9}

Q.14 Use the properties of exponents to verify whether each of the following statements is true:

(i) $36 \times 6^{n-3} = 6^{n}$ (ii) $\dfrac{1}{27}(3^{n}) = 3^{n-3}$