

EMBOCS,NAWALPARASI

First Terminal Examination -2081

Class:- 7 Time:- 2hrs F.M.=50

Subject:- Science and Technology P.M.=20

Attempt all the questions.

Group 'A' (MCQ)

1.Choose the correct answer. 10x1=10

a.Which gas is used for burning?

i.Nitrogen ii. Hydroen iii.Oxygen iv.Carbondioxide

b.What is written at the end of experiment?

i.Topic ii.procedure iii.objective iv.Report

c.which of the following is a complete flower?

i.Mustard ii.Maize iii.Pumpkin iv.Rice

d..Pollination refers to_____.

i.transfer of pollen grains to stigma ii.formation of pollen grains

iii.formation of pollen tube iv.formation of egg

e.Body thrown vertically upwards come to earth due to_____.

i. Acceleration due to gravity of earth ii.Magnetic property of earth

iii.Friction iv.Power of earth

f.1horse power is equal to_____.

i.700Watt ii.646Watt iii.600Watt iv.746Watt

g.The weight of an object can br measured by a_____.

i.Beam balance ii.Analytical balance iii. Spring balance iv. Physical balance

h.Symbol of calcium is_____.

i.C ii.N iii.Ca iv. Na

i.which of the following has negativecharge in it?

i. Atom ii. Electron iii.Proton iv.Neutron

j.what is the atomic number of Oxygen?

i.6

ii.7

iii.8

iv.9

Group 'B'

2.Very short questions. 9x1=9

- 1.What is a report.
- 2.What is fertilization?
- 3.What is xerophytes?
- 4.Give two examples of plant having dicot root.
- 5.Is potato, a stem or a root?
- 6.Discuss different types of friction.
- 7.What is streamline shape?
- 8.What are the three states of matter?
- 9.What is density?

Group 'C'

3. Short questions 8x2=16

- 1.Why are practical activities important in science?
- 2.Why gram is called dicotyledonous seed?
- 3.Write two function of root.
- 4.Why are leaves of plant generally green?
- 5.Why should friction be reduced ?
- 16.Write two advantage of friction.
- 17.Draw atomic structure of sodium atom.
- 18.Why an atom is charge less?

Group 'D'

Long questions 5x3=15

- 1.Draw a figure of mustard plant and label its parts.
- 2.A boy runs with speeds 2m/s. Find the distance covered by him after 1 hour.
- 3.Define work against gravity. Why can we not jump very high?

22. Write three differences between metal and non-metal.

23. Burning a paper is an example of chemical change. Give reason.

The End

EMBOCS NAWALPARASI

Second Terminal Question 2081

Subject: Science and Technology

F.M: 50

Class: 7

TIME: 2HR

P.M: 20

Attempt all questions.

Group "A"

1. Choose the correct option. $10 \times 1 = 10$

a. Which of the following is not an ICT tool?

i. Radio ii. Television iii. Pen iv. Smart Phone

b. Which one of the following is an example of an operating system?

i. Microsoft Word ii. Microsoft Excel iii. Microsoft Access iv. Microsoft Windows

c. Potato is an example of

i. stem ii. root iii. Leaf iv. seed

d. Which phylum has the largest number of animals?

i. Porifera ii. Mollusca iii. Arthropoda iv. Annelida

e. Where does O_2 and CO_2 exchange take place?

i. Kidney ii. Liver iii. Lungs iv. Heart

f. Resin is.....

i. fruit ii. flower iii. By product iv. Seed

g. The SI unit of Weight is :

i. Kg ii. Watt iii. Newton iv. Joule

h. The ability to do work is called ____.

i. Acceleration ii. Force iii. Energy iv. Velocity

i. Which one is the non-renewable sources of energy?

i. Solar energy

ii. Wind energy

iii. Forestiv. coal

j. Which of the following is an example of metal?

i. oxygen

ii. Argon

iii. Prom

iv. Hydrogen

GROUP ' B'

Very Short Question

9*1=9

2. What are different ways of learning science?

3. How is Computer virus ?

4. Write two examples of parasite plant.

5. What is life process?

6. Name the 3 types of blood cells.

7. Write one method of reducing friction.

8. What do you mean by temperature?

9. Which device is used to measure the hotness or coldness of an object?

10. Why is the density of iron more than the density of cotton?

GROUP " C"

8*2=16

Short question.

11. Why are reports written at the end of experiments & projects ?

12. Write any two advantages of the use of e-book.

13. Cell is a basic unit of life. Why?

14. Define excretion. Write two excretory organs of animals.

15. Difference between Speed and Velocity

16. Write two advantages of using alternative sources of energy.

17. During winter we feel cold if we touch tap water. Why?

18. Calculate density of a stone if its mass is 100 kg and volume is 5m³.

GROUP “ D”

5*3=15

Long Question

19. Draw a figure of Heart and label its parts.
20. What is transpiration? Write its two significances.
22. Why should friction be reduced? Write the formula to calculate weight.
23. During fever, temperature of Ram was 38°C. Find his temperature in Fahrenheit scale.
23. Define density. Write two differences between physical change and chemical change.

THE END

EMBOCS, NAWALPARASI

Third Terminal Examination -2081

F.M.=50

Class:- 7

Time:- 2hrs

P.M.=20

Subject:- Science and Technology

Attempt all the questions.

Group 'A'(MCQ)

1. Choose the correct answers. (10x1=10)

a. Which of the following are carried out in a science laboratory ?

i. Collection of rocks

ii. Collection of plants

iii. Separation of salt from salt solution

iv. Conducting Science exhibition

b. What risks & challenges should be considered while using the internet ?

i. Privacy & Security

ii. Energy Consumption

iii. Network Congestion

iv. All of the above

c. Colorful part of flower is

i. calyx

ii. corolla

iii. leaf

iv. root

d.3R doesnot include_____.

- i.Reuse ii.Reduce iii.Recycle iv.Report

e.which system helps to remove waste from body?

- i.Excretory system ii.Reproductive system iii.Respiratory system
iv.Circulatory system

f. Through which organs do insects respire?

- i.skin ii. Spiracle iii.Lenticels iv.stomata

g.The weight of an object can be measured by a_____.

- i.beam balance ii.analytical balance iii.spring balance
iv.physical balance

h.We receive heat energy from sun by the process of_____.

- i.conduction ii.convection iii.radiation
iv.diffusion

i.The charge of an atom is_____.

- i.positive ii.negative
iii.both i and ii iv.chargeless

j.Which of the given substances is an indicator?

- i. litmus paper ii. water
iii. soap iv. soda water

Group 'B'

Very short questions (9x1=9)

2.What are models in Science.

3.Write two examples of phylum Mollusca.

4.Write one importance of natural resources.

5.What is life process?

6.Define displacement.

7.What is the unit of frequency?

8.write one method to save energy.

9.What is compound?

10.Why is the taste of lemon sour?

Group 'C'

Short questions. (8x2=16)

11.Write two advantages of email

12.Ribosome is called the protein factory of cells. Give Reasons.

13.Differences between renewable and non-renewable sources of energy.

14.Write two disadvantages of friction.

15.Write two laws of reflection of light.

16.Convert 50 ° Celsius into degree Fahrenheit.

17.Why burning of wood is an chemical change?

18.Write two differences between acid and base.

Group 'D'

Long questions (5x3=15)

19."Earthworm is hermaphrodite animal".Justify.

20.Write three effects of population growth on environment.

21.Draw a figure of internal structure of heart. Label it's parts.

22.A body has mass 50kg.find the weight of body.($g=9.8\text{m/s}^2$)

23.Write three uses of aluminium.

Annual term examination 2081

Subject:- Science and Technology

Time:- 2hrs

Attempt all the questions

F.m:50

p.m:20

Group A(MCQ)

1.Choose the correct answers. 10x1=10

a.Why are petals of a flower important?

i. To attract honey bee & butterfly

ii. To absorb water & minerals from soil

iii.To fix plants in soil

iv.To keep plant Straight

b. WWW represents?

- i. Word wide web ii. World wide web iii. Weired wide web iv. Who,What & where
- i. Radio ii. Television iii. Peniv. Smartphone
- c. Generally which part of the plant involved in photosynthesis?
- i. Stem ii. Leaf iii. Root iv. branch
- d. Through which organs do insects respire?
- i. Skin ii. Spiracle iii. Lenticles iv. stomata
- e. The SI unit of power is ____.
- i. Newton ii. Joule iii. Watt iv. Second
- f. Sound cannot travel in ____.
- i. Solid ii. Liquid iii. Gas iv. Vacuum
- g. When electric current cannot pass through a circuit then the current is called ____.
- i. Open circuit ii. Electric circuit iii. Closed Circuit iv. Short circuit
- h. Which of the following is negatively charged?
- i. Atom ii. Proton iii. Electron iv. Neutron
- i. which of the following metals get rusted?
- i. Iron ii. Gold iii. Silver iv. Aluminium
- j. What is the natural satellite of earth?
- i. Moon ii. Mercury iii. Jupiter iv. Neptune

Group-B
(Very short questions) 9x1=9

2. what are the main parts of report?
3. what do you mean by the term computer software?
4. What is cell?
5. Write one function of kidney.
6. Define speed.
7. Write one method to save energy.
8. what is current electricity?
9. what is inorganic acid?
10. Why Neptune is called coldest planet?

Group-C
(Short questions) 8x2=16

11. List any three activities of science that can be carried out in your school environment.
12. Write two disadvantages of email.
13. Write two differences between renewable and non renewable sources of energy.
14. Why sound cannot travel through vacuum?
15. Draw figure of open circuit and label its name.
16. Calculate the density if substance has mass 45kg and volume 5m³.
17. Why gold is found in a free state in nature?
18. Why is life difficult to exist on moon?

Group-D
(Long questions) 5x3=15

19. Write any three characteristics of phylum porifera.
20. Write 6 importance of water resources.
21. Describe the excretory organs in human body with figure.
22. A boy runs with speed of 2m/s. Find the distance covered by him after 1 hour.
23. Draw atomic structure of sodium atom showing its electrons, protons and neutrons.

The End

