

SUMMATIVE ASSESSMENT-2(2014-2015)
8TH CLASS-PHYSICAL SCIENCE
ZPHS, _____

Name of the student _____
 Roll number _____

Time:2 1/2hrs
 Marks:100

Academic standard	I	II	III	IV	V	VI	TOTAL
QuestionNo	1-20	21,22	23	24,25	26-28	29-31	
Marks Alloted	40	10	10	15	10	15	
Marks awarded							
Grade							

ICONCEPTUAL UNDERSTANDING

A) Answer any two of the following Questions.

2x10=20M

- 1) Explain the process of formation of petrol.Name the petroleum products used for roads surfacing?
- 2) Where do we use the process of recycling? How is it useful?.Give examples.
- 3) Give examples to show that friction is both good & an evil?

B) Answer the following Questions.

- 4) Which metals are used in making jewelery?Why?
- 5) Write any three musical instruments that you know and explain how they produce sound?

C) Answer the following Questions.

10M

- 6) What is called blending?
- 7) Which substance is called 'liquid gold'?
- 8) What is the audible range of a normal human being?
- 9) Why cooking pans don't have metal handles?
- 10)Write the given statement making necessary corrections"Because the car is at rest,no forces are acting on it"

D) Fill in the Blanks.

5x1/2=2 1/2M

- 11) S.I unit of pressure is _____.
- 12) Number of vibrations per second is called_____.
- 13) The scientist who invented Bakelite_____.
- 14) The property of materials can be converted into thin sheets_____.
- 15) Write the abbreviation of C.N.G _____

E) Multiple choice Questions.

5x1/2=2 1/2M

16) The main constituent of coal is

a)carbon b)oxygen c)air d)water ()

17) The intensity of normal conversation is

a)15DB b)60DB c)90DB d)110DB ()

18) sulphur di oxide is

a)basic oxide b)acidic oxide c)neutral oxide d)none ()

19) Rayon is made of

a)coal b)oxygen c)clay d)cellulose ()

20) Sportsmen use shoes with spikes why?

a)reduce friction b)increase friction c)durability of shoes d)reduce weight ()

II ASKING QUESTIONS & MAKING HYPOTHESIS.

2x5=10M

21) Imagine human life without metals, write briefly about the consequences?

22) Ramesh observed a musical instrument producing sound. But he didn't find any vibrations of any part of that instrument. This observation raised many questions in his mind. Can you guess what are the questions raised in his mind? write them.

III EXPERIMENTATION & FIELD INVESTIGATION.

2x5=10M

23) Design and conduct experiments to test few ways how friction may be reduced?

24) Discuss the acidic & basic nature of the metals and non metals with suitable experiments.

IV INFORMATION SKILLS & PROJECTS

15M

25) Collect photographs showing various situations of sound pollution and prepare a scrap book. 10M

26) Prepare a table of various synthetic fibres which are used to make household articles from them. 5M

V DRAWING DIAGRAMS-PREPARING MODELS

2x5=10M

27) Draw FBD diagram of a moving car showing forces acting on it.

28) Draw diagrams of arrangement of monomer units in plastics.

VI APPRECIATION AND AESTHETIC SENSE VALUES

3x5=15M

29) Indiscriminate usage of plastic is a serious threat to bio-diversity. What are the efforts of Government and Non-Government organization in this regard?

30) Assume that you are a driver, what measures do you take to save petrol and diesel?

31) A monkey hangs stationary at the end of the vertical line. What forces act on the monkey?