

**R - 48**

**DISTRICT COMMON EXAMINATION BOARD  
SUMMATIVE ASSESSMENT - II - 2015 - 2016  
GENERAL SCIENCE - Paper - I**

**(Physical Science)**

**(English Version)**

**Class : VIII ]**

**(Max. Marks : 100)**

**[ Time : 2 Hrs.**

Academic Standards	I	II	III	IV	V	VI	Total
Marks							
Grade							

**Name of the Student : ..... Roll No : .....**

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**I. Conceptual Understanding. (40Marks)**

**A) Answer any Two of the following questions. 2 x 10 = 20**

1. a) Give two examples of each for a contact force and force at a distance.  
b) Explain Static friction and sliding friction and give two suggestions to reduce force.
2. Explain the physical Properties i.e. Lustour, sonarity, malleability ductility and conductivity of metals with suitable examples.
3. Take hair, wool, silk, cotton thread, piece of plastic and carefully conduct a flame test. Bared on smell and type of melting classify them as natural, artificial fibres.

**B. Answer the following questions. 2 x 5 = 10**

4. Explain why sportsmen use shoes with spikes?
5. Write any three musical instruments that you know and explain how they produce sound.

**[ Turn Over**

**C. Answer the following questions in a word (or) sentence.  $5 \times 1 = 5$**

6. What is tension ?
7. Why do we pour some powder to play carrom board?
8. Who is the father of plastic Industry?
9. Which metal is liquid and not sonorous?
10. What is Barrel where we have to use "barrel"?

**D. Fill in the blanks with appropriate answers.  $5 \times \frac{1}{2} = 2\frac{1}{2}$**

11. .... force act on heart beating.
12. In a surface the small up and down are called .....
13. .... is an artificial wool made from coal, air, water, oil, and lime stone.
14. Frequency range is less than  $20\text{H}_2$  such sounds are called .....
15. .... gas liberated we can heat the coal in the presence of air.

**E. Choose the correct answer.  $5 \times \frac{1}{2} = 2\frac{1}{2}$**

16. S.I unit of force is ..... ( )  
A) Pascal      B) Newton      C) Square metre      D) Terla
17. .... is a natural fibre. ( )  
A) Polyester      B) Cotton      C) Nylon      D) Acrylic
18. Human body contains ..... element in highest percent. ( )  
A) Oxygen      B) Carbon      C) Hydrogen      D) Nitrogen
19. Shoe polish is made from by using the following. ( )  
A) Paraffin wax      B) Petroleum  
C) Diesel      D) Lubricating oil
20. The Intensity of sound is measured in ..... ( )  
A) Hertz      B) Cycle/sound      C) Decibel      D) joule

[ Contd on 3rd Page .....

**II. Making questions and making by photosis.  $2 \times 5 = 10$**

**Answer the following questions.**

21. Write your suggestion about reducing sound pollutions.
22. Imagine the human life without metals in 5 sentences.

**III. Experiments - field Investigation.  $1 \times 10 = 10$**

23. Describe the experiment that you have conducted to prove that the sound has energy? Write the precautions that you have taken while conducting experiments?

**(OR)**

24. Explain the procedure of the experiment which shows that the gas evolved on heating coal, burns.

**IV. Information skills - project work. (15 Marks)**

26. Prepare a table of various synthetic fibres which are used to make house hold articles from them.  $1 \times 10 = 10$
27. Choose five families of your neighbour hood, collect the information about the measures that they adopt to conserve energy resources in transport and cooking. **5**

Name of the family	Number of members in family	No. of vehicles using	Amount spent fule one month	Amount spend torpa

**[ Turn Over**

**V. Communication through drawing, model making. 2 x 5 = 10**

**Answer any two of the following Questions.**

26. Draw a Free body diagram to show various forces acting on a body which is sliding on Inclined plane.
27. Draw a neat diagram of larynx and label the parts.
28. Draw various rexin identificatoin codex and write their names.

**VI. Appreciation, Values, application in daily life and concern to diversity.**

**Answer the following Questions.**

**3 x 5 = 15**

29. How do you appreciate the role of friction in faciliating our various activities ?
30. If plastic is not properly disposed what could be the consequence ?
31. How do you organize your daily works with tuels to conserve bio-diversity ?

