Dear Parents,

Session 2018-2019 is progressing quite well. We just had our 'Orientation Session' with Primary, Middle and Secondary schoolers parents and it was heartening to see your approach, co-operation and support. APS family extends gratitude for it.

A warm welcome to students who have joined our school this session. We stand committed to providing quality education to our children. The teachers follow a detailed plan of instruction that is guided by CBSE and AWES. SAMC is our pillar of strength as our teachers focus on holistic development of our students. We shall certainly continue to implement our 'Systems Approach' to support all students by using interventions to help each child make academic progress. Progress is best assured when student, parents and school are working towards same goal. It's like when every player is an active member, the team is sure to be the best and everyone is a winner. So let's strive to be all winners!

For Summer Break Assignments, practice sheets are devised to ensure revisions for coming assessment. Kindly go to the website: www.apsbinnaguri.org and follow these steps for the same

Steps to download:

i. Browse the website→ Home page (first page of the website)
ii. Then check the Bulletin Board→ link will be available.

OR

Home Page→ Click on 'APS News' option→ Choose Holiday Homework option from the dropdown menu.

We would also seek your co-operation to help lift up academics. We would welcome parents to offer their names for substitute facilitators/ teachers, judges for events round the year. Kindly e-mail at apsbinnaguri1@gmail.com or give your details at Front Desk.

We truly believe that an entire community is needed to empower our students to become successful citizens. I look forward to a great year and working with such an amazing community.

Awaiting your constructive suggestions.

ARMY PUBLIC SCHOOL BINNAGURI
SCIENCE PRACTICE SHEET - 1, SESSION 2018-19
CLASS: VIII

TIME: 90 MINUTES **MM: 40**

Date: **Duration: _____ to _____**

Q.1. Name the agricultural implements commonly used during crop cultivation.

Q.2. Would you sow the seeds which floats on water?

Q.3. Name two typical habitats of microorganisms.

Q.4. Which fibres are biodegradable?

Q.5. What are Rabi crops? Give two examples.

Q.6. Why should seeds be treated with fungicides before sowing?

Q.7. Name the major groups of micro – organisms Give two examples of each.

Q.8. Name the modes of transmission of communicable diseases.

Q.9. Mention two main uses of polyester fibres.

Q.10. Why is the land ploughed and lavelled before sowing seeds? Explain.

Q.11. Name two food preservatives for preserving Jams and jellies.

Q.12. Are the handle and bristles of a tooth brush made of the same materials? Why?

Q.13. Name any three synthetic fibres. Write two uses of each.

Q.14. How are diseases caused by microorganisms classified? Explain by giving suitable examples.

Q.15. Mention two advantages and two disadvantages of synthetic fibres. Mention a few problems associated with the excess use of plastics.

Q.16. What is drip irrigation? Why is it considered advantageous over other methods.

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ARMY PUBLIC SCHOOL BINNAGURI
SCIENCE PRACTICE SHEET - 2, SESSION 2018-19
CLASS: VIII

TIME: 90 MINUTES **MM: 40**
Date: **Duration: _____ to _____**

Q.1. What is agriculture?

Q.2. Name any two dises caused by bacteria.

Q.3. Which type of plastic cannot be preserved again and again?

Q.4. Which two types of fibres are blended to obtain terycot?

Q.5. What is kharif crop? Give two examples.

Q.6. How are fertilizers applied to the soil?

Q.7. What are the symptoms of food poisoning?

Q.8. What are the advantage of food preservation?

Q.9. What are insulators? Give two examples.

Q.10. What is meant by polymer? Give two examples.

Q.11. How are perishable food stored on the commercial scale?

Q.12. Write the beneficial action of bacteria, fungi and algae.

Q.13. What is acrylic? Explain it in brief.

Q.14. How does the manure differ from fertilizer.

Q.15. Why is yeast added to the mixture made for making cake? Explain.

Q.16. How does a thermoplastic material differ from a thermosetting materials. Give one example each .

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ARMY PUBLIC SCHOOL BINNAGURI
SCIENCE PRACTICE SHEET - 3, SESSION 2018-19
CLASS: VIII

TIME: 90 MINUTES **MM: 40**

Date: **Duration: _____ to _____**

Q.1.Name any four agricultural implements.

Q.2. What is Nylon?

Q.3. Give two examples of thermoplastics.

Q.4. Name the microorganisms that is used for obtaining alcohol from sugar.

Q.5. Explain sprinkler system of irrigation in brief.

Q.6. What is water logging? Why is it harmful for the crop?

Q.7. Write any four general characteristics of microorganisms

Q.8. How do the blue green algae and symbiotic bacteria convert atmospheric nitrogen into nitrogen compounds?

Q.9. Write down the advantages of synthetic fibres.

Q.10. Write down the disadvantages of synthetic fibres.

Q.11. Draw the diagram of bacteriophage and label the different parts.

Q.12. What are plastics? Give any two examples of common plastic.

Q.13. Explain any three traditional methods of irrigation in brief.

Q.14. Write down the differences between thermosetting and thermoplastics

Q.15. Draw any two protozoa and two fingi.

Q.16. Write down the basic practices of crop production. Explain any two of them in brief.

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ARMY PUBLIC SCHOOL BINNAGURI
SCIENCE PRACTICE SHEET - 4, SESSION 2018-19
CLASS: VIII

TIME: 90 MINUTES **MM: 40**
Date: **Duration: _____ to _____**

Q.1. What is crop?

Q.2. What is cyst?

Q.3. What is PVC?

Q.4. What is polythene?

Q.5. Write down the difference between Rabi and Kharif crop.

Q.6. Explain lift irrigation system in brief.

Q.7. What is fermentation? Why is it necessary?

Q.8. How does a vaccine work?

Q.9. Write any two properties of polythene.

Q.10. Write any two uses of Teflon.

Q.11.Mention any three precautions to be observed while using pesticides.

Q.12. Write any two diseasis

Q.13. Explain bakelite and melamine in brief.

Q.14. What are the drawbacks of seeds being unevenly distributed in the field?

Q.15. Draw the nitrogen cycle and explain it in brief.

Q.16. Describe the plastics and the environment in brief. How can be the harmful effect of plastics minimized?

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