



Rayat Bahra International School, Hsp

Holidays Homework 2023-24

Grade XI Medical/Non Medical

Should we judge a dolphin by its ability to climb a tree?

We do not wear the Board exam marks on our sleeves? Right. But they do signify a simple thing: it quantifies the level of sincerity and sense of responsibility of a student as per the level of the complexity of the subjects each one studies. This sense of sincerity and responsibility should begin from the time the student steps in XI.

With mercury rising to unprecedented heights, it is that time of the year where Summer Vacations provide us a little respite from the scorching heat. At the same time it also allows students enough time for introspection, reviewing past performances, learning from mistakes, goal setting, planning strategically and tactically, identifying obstacles to success. Gearing up for this wonderful period of rejuvenation, let us prepare ourselves to utilize our time in many constructive ways.

Here are some guidelines for you to invigorate your ward while giving him the chance to enjoy this period of unrestrained fun.

- Learning doesn't stop when school is out.
- Work smart, not hard.
- For every hour of electronics time, you owe an hour of outside playtime.
- Reading is a must.
- Before you ask for a favor, do a chore.
- There's no sleeping all day or staying up all night.
- Be honest to a fault.
- Question every fact.
- Do better today than you did yesterday.



English (301)

Assignments	Paste 5 classified advertisement and 3 posters on assignment sheets and give headings on the top write 20 phrases with meanings and sentences which you can use in your daily conversation.
--------------------	---

Note: Homework must be compiled in a file that should be covered properly.

Debate	Is digital technology making children's lives better? Medical students will prepare in support and Non Medical students will prepare against the motion. You all need to be well prepared for debate as after vacations a debate competition will be held between both the sections of G 11 and you all will have to speak out.
---------------	---

Chemistry

Make any one working model	<ol style="list-style-type: none">1. VESPR model of a molecule (like CO₂, H₂O, NH₃)2. Bohr atomic model3. Drip irrigation4. Periodic table5. Rutherford model of an atom6. Atomic structure7. Dyeing wool, silk, and cotton8. Quantum numbers9. Chemical bonding10. Ionic bonds11. Structure of ethane, ethene, ethyne
----------------------------	---

Physics

Make any one working model :	<ol style="list-style-type: none">1. Hydraulic lift \ brakes2. Electric motor3. Automatic street light4. Wireless fan5. Water levelling alarm
------------------------------	---

system
 6. Types of motion
 7. Series vs parallel circuit
 8. Vacuum cleaner
 9. High power electricity generator by waste materials
 10. Finger print door lock

Revise solved numericals and NCERT questions.

Biology

Presentation and working models on topic given in accordance to your roll no

1. Chordates
2. Non chordates
3. Cardiac cycle
4. Aschelminthes
5. Basis of classification of animal kingdom
6. Heart structure
7. Human kidney
8. Platyhelminthes
9. Cell cycle
10. nephron
11. Ctenophora
12. Coelentrara
13. Echinodermata
14. Annelida
15. Arthropods

Mathematics

Roll No.1

Chapter conic section
 Circle
 Radius and centre of circle from the standard form (10) questions

Roll No.2

Chapter conic section
 Circle

	Radius and centre of circle from the general form (10) questions
Roll No.3	Chapter conic section Circle Conversion of general form to standard form (10) questions
Roll No.4	Parabola right handed Vertex, directrix (10) questions
Roll No.5	Parabola right handed Latus rectum, focus (10) questions
Roll No.6	Parabola right handed Conversion in standard form (10) questions
Roll No.7	Parabola Left handed Vertex, directrix (10) questions
Roll No.8	Parabola Left handed Latus rectum, focus (10) questions
Roll No.9	Parabola Left handed Conversion in standard form (10) questions
Roll No.10	Parabola upwards Vertex, directrix (10) questions
Roll No.11	Parabola upwards Latus rectum, focus (10) questions
Roll No.12	Parabola downward Conversion in standard form (10) questions
Roll No.13	Parabola downward Latus rectum, focus (10) questions
Roll No.14	Parabola downward Latus rectum, focus (10) questions
Roll No.15	Parabola upwards Conversion in standard form (10) questions
Roll No.16	Ellipse (horizontal) Focii, vertices ((10) questions
Roll No.17	Ellipse (horizontal) Latus rectum, major axis (10) questions
Roll No.18	Ellipse (horizontal) Minor axis, directrix (10) questions

Roll No.19	Ellipse (vertical) Focii,vertices ((10) questions
Roll No.20	Ellipse (vertical) Latus rectum, major axis (10) questions
Roll No.21	Ellipse (vertical) Minor axis, directrix (10) questions
Roll No.22	Hyperbola Focii,vertices (10) questions
Roll No.23	Hyperbola Latus rectum, directrix (10) questions
Roll No.24	Hyperbola Transverse axis, conjugate axis (10) questions
Roll No.25	Hyperbola Conversion in to standard form (10) questions
Roll No.26	Hyperbola,ellipse Eccentricity (10) questions

Note

1. Chart of formulas of circle, parabola, ellipse, hyperbola is compulsory for everyone.
2. Revise syllabus unit 1

Computer Science (083)

Information Representation	<ol style="list-style-type: none"> 1. Convert 1111 0110 from base 2 to base 10 2. Convert 0111 1111 from binary to decimal 3. Convert 27 from base 10 to base 2 4. Convert 62cd from hexadecimal to base 2 5. Convert 0111 1000 1111 1100 from binary to base 16 6. Convert 0111 1110 1010 0111 from base to hexadecimal 7. Convert 223 from base 10 to binary 8. Convert 001100110 to octal 9. Convert (F4C)₁₆ into decimal 10. Convert 0111 1110 1000 1111 from
----------------------------	--

	binary to hexadecimal
Computer System & Organization	<ol style="list-style-type: none"> 1. What is the basic building block of any computer? 2. What is the role of CPU in a computer? 3. What is the role of input and output unit in a computer? 4. Distinguish internal and external memory of a computer? 5. Can you distinguish CPU and ALU? 6. Do you feel mobile phones are replacing computers, if yes then why? 7. How many bits are used to represent Unicode, ASCII, UTF-32, and UTF-8 characters?

Write Information Representation and Computer System & Organization on assignment sheets.

Physical Education (048)

Complete practical copy up to 10 games ground with important topics.

_ *_ *_ *_ *_ *_ _

