**Maharshi Patanjali Vidya Mandir Prayagraj**

**HOLIDAYS HOME WORK**

Of

**Class XII-Mathematics Stream**



"Education's purpose is to replace an empty mind with an open one."

"You learn something every day if you pay attention."



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| **English** |  **Q**.1. The Smiths are an old couple. They own a puppy which they wish to sell to a genuine buyer who would look after it properly. Draft a suitable advertisement for the classified column of a local newspaper giving details in about 50 words, about its age and other relevant features. Q.2. Your grandfather left the house a week back and is missing since then. Draft an advertisement for the newspaper. Q.3 Kritika Thakur has lost her original School certificates in the Rajdhani Express while coming back from Mumbai. She decides to give an advertisement in The 'Lost and Found,' column of the newspaper. Draft an advertisement for her. Q4. Mr S.S Sandhu has found a passport in the Indira Gandhi International Airport, New Delhi. Draft a suitable advertisement for the classified columns of the local daily giving all the relevant details.  Q5. Prem/ Prema Anand wishes to sell his/ her car because of an official promotion that will make him/ her stay in Dubai for a period of two years. Draft a suitable advertisement to attract good buyers. Q6. Draft a notice giving all details to be sent to the students of class 12 to team up (groups of eight each) online and produce videos to be released on June 12 on the occasion of World Day against Child Labour. Q7. You are Manik/ Mani Chaudhury, the founder & secretary of a now renowned NGO- Holding Hands. Ask your creative team to design a powerful poster on spreading awareness regarding Social Distancing during this time of COVID-19. The poster is meant to be put up in the slums and labour colonies of your city. Q 8. Restaurants are operating after almost two months of lockdown. Design an attractive advertisement for your own setup and how you are providing services to reach out to your customers in the city |
| **Mathematics** | 1. Make a list of 100 questions covered till May 2020
2. Draw a graph of 6 Trigonometric and inverse Trigonometric functions with their domain and range
3. Make a list of all the formulae covered in class XI and XII
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| **Physics** |  Q. 1 Discuss the following cells under the given heads : a) Daniel Cell b) Leclanche Cell c) Lead Acid Cell Headings : - 1) Type of cells and their EMF 2) Elctrodes and electrolyte used 3) Reaction at the electrodes 4) Defects suffered and how they are overcome Q. 2 Discuss the following types of diodes under the given headings : a) Zener Diode b) LED c) Photo Diode d) Solar Cell Headings:- 1) Symbol and biasing 2) Special design feature 3) V-I graph 4) Important practical applications Q. 3 Activity file to be completed on the basis of pdf sent.  |
| **Chemistry** | 1. Do numerical from units studied in the class
2. Revise the unit some basic concepts of organic chemistry
3. Make a rough summary of experiment based projects of chemistry
4. Write a short note on the topic chemistry in everyday life
5. Revise units already done in the class
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| **Informatics Practices** |  1. **Write short note on the following-**

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| --- | --- | --- |
| 1) Computer Network | 11) Network Topologies | 21) Digital footprint |
| 2) LAN | 12) Introduction to Internet | 22) Data protection |
| 3) MAN | 13) URL | 23) Intellectual property rights (IPR) |
| 4) WAN | 14) WWW | 24) Plagiarism |
| 5) Modem | 15) email | 25) Free and Open Source S/W (FOSS) |
| 6) Hub | 16) Chat | 26) Cybercrime and Cyber laws |
| 7) Switch | 17) VoIP | 27) Hacking |
| 8) Repeater | 18) Website and webpage | 28) Phishing |
| 9) Router | 19) Static vs dynamic web page | 29) Overview of Indian IT Act. |
| 10) Gateway | 20) Web server and Hosting | 30) E-waste: hazards and Management. |

1. **Write the uses of following function in MySQL:**

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| --- | --- | --- | --- |
| 1) POWER () | 8) LENGTH () | 15 NOW () | 22) MAX () |
| 2) ROUND () | 9) LEFT () | 16) DATE () | 23) MIN () |
| 3) MOD () | 10 RIGHT () | 17) MONTH () | 24) AVG () |
| 4) UCASE ()/UPPER () | 11) INSTR () | 18) MONTHNAME () | 25) SUM () |
| 5) LCASE ()/LOWER () | 12) LTRIM () | 19) YEAR () |  |
| 6) /SUBSTRING ()/SUBSTR () | 13) RTRIM () | 20)DAY () |  |
| 7) MID () | 14) TRIM () | 21) DAYNAME () |  |

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| **Physical Education** | 1. Revision of chapters and make a short notes.Unit 1 : Planning in sports .Unit 2 : Sports and Nutrition.Unit 3: Yoga and Lifestyle ---- Practice of Pranayam , Asanas and Suryanamaskar in morning, exercise in evening and meditation(Before sleeping) as per teacher guideline , take help of PDF of Yoga book and YouTube link . 4: Solve all the questions given at the end of each chapters. 5: Make a practical file.6: Tratak exercise (Be careful )Note: If any Problem then discuss with me **Morning time 8am to 10am. (9005820854 ) or write your problem in WhatsApp group (Physical Education).** |
| **Economics****Hindi** | **Indian Economic Development –** 1. State of Indian Economy on the Eve of Independence
2. Common Goals of Five year Plans
3. Growth and Development of agriculture, industry and foreign trade

Make notes and complete the exercises given for the following chapters covered in class.Read the chapter Economic reforms since 1991**Macro – Economics –** 1. National Income and related aggregates
2. Money & Banking

Learn and complete the exercises for the above mentioned chapters Practice doing the numerical of National Income along with diagram of circular flow.**Project – Work –** From the topics given in the suggestive list of projects select **any one** and make a blueprint. 1- बताए गए विषयों में से किसी एक विषय पर परियोजना कार्य पूरा कीजिए2. बच्चा पढ़ेगा तो देश बढ़ेगा इस विषय पर एक फीचर लिखिए3- कक्षा में पढ़ाई गई कविताओं का काव्य सौंदर्य लिखिए4- जल है तो कल है इस विषय पर एक आलेख लिखिए5- पढ़ाए गए सभी पाठों को पुनः पढ़िए एवं प्रश्न उत्तर याद कीजिए |
| **Legal Studies** | 1- बताए गए विषयों में से किसी एक विषय पर परियोजना कार्य पूरा कीजिए2. बच्चा पढ़ेगा तो देश बढ़ेगा इस विषय पर एक फीचर लिखिए3- कक्षा में पढ़ाई गई कविताओं का काव्य सौंदर्य लिखिए4- जल है तो कल है इस विषय पर एक आलेख लिखिए5- पढ़ाए गए सभी पाठों को पुनः पढ़िए एवं प्रश्न उत्तर याद कीजिए1. Go through the CBSE text book.
2. Do all the objective type questions sent to you on the WhatsApp in your note book
3. Visit the sites of NHRC, NCW, NCM, NCSt, NCSc and read the cases decided by the commission
4. Complete your project
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| **GS/V.Edu.** |  Make the projects discussed in the classRead the newspaper daily |
| **Computer Science**  | 1. **Write short note on the following-**

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| --- | --- | --- |
| 1) ARPANET | 11) Microwave link | 21) PPP |
| 2) Internet | 12) Satellite link | 22) HTTP |
| 3) Concept of Channel | 13) Gateway | 23) SMTP  |
| 4)Bandwidth (Hz,Khz and MHz) | 14) Router | 24)POP3 |
| 5) Data transfer Rate | 15) RJ45 Connector | 25) Remote login |
| 6) Transmission Media | 16) switch | 26) GSM |
| 7) Twisted Pair cable | 17) Network topologies  | 27) GPRS and WLL |
| 8) Coaxial Cable  | 18) Network Protocol  | 28) Domain Name |
| 9) Optical Fiber | 19) TCP/IP | 29) URL |
| 10) Radio link | 20) FTP | 30) Network Security  |

1. **Write the uses of following function in MySQL:**

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| --- | --- | --- | --- |
| 1) ASCII() | 8) LOWER() | 15) TRIM() | 22) SYSDATE() |
| 2) CHAR() | 9) LENGTH() | 16) UPPER() | 23) DATE() |
| 3) CONCAT() | 10) LTRIM() | 17) POWER() | 24) MONTH() |
| 4) INSTR() | 11) MID() | 18) ROUND() | 25) YEAR() |
| 5) LCASE() | 12) RIGHT() | 19) TRUNCATE() |  |
| 6) UCASE() | 13) COUNT() | 20) CURDATE() |  |
| 7) LEFT() | 14) SUBSTR() | 21) NOW() |  |

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“The aim of education should be to teach us rather how to think, than what to think — rather to improve our minds, so as to enable us to think for ourselves, than to load the memory with thoughts of other men.”

What we learn with pleasure we never forget.”

“Education is the passport to the future, for tomorrow belongs to those who prepare for it today.”



ENJOY YOUR HOLIDAYS