

STEPHENS INTERNATIONAL PUBLIC SCHOOL

Holidays' Homework for Class – 11th (2019-20)

ENGLISH

- Q:1. You are Ravinder from 27, Green Park, New Delhi. Your pet dog Brownie is missing. Write an advertisement for the missing pet column of a newspaper.
- Q:2. Swati Sharma, has lost her marksheet and certificate of AISCCE while travelling from EMU from New Delhi to Ferozpur. Write an advertisement for the lost and found column of a National Daily.
- Q:3. "Down to earth" is a fortnightly environment awareness magazine, which is offering a 25% discount as well as gift on an annual subscription. Draft a display advertisement for the same within 50 words.
- Q:4. Your school is organising a public awareness exhibition on the importance of conservation of electricity. Prepare a poster to bring home the importance of this concept to the visitors of the exhibition.
- Q:5. Invite a person of repute as judge for an inter school competition. Invent the necessary details.
- Q:6. You are the student of APS Public School, Mumbai. Draft an invitation on behalf of the principal for the musical evening to be held in your school.
- Q:7. You are concerned due to wrong tobacco habit. Prepare an informal invitation extended by the manager of United Smokeless Tobacco Association.
- Q:8. Prepare a poster on behalf of traffic police, Jammu asking people not to violate traffic rules.
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PHYSICS

- Prepare a file on the solutions of all the problems given in the assignments in the class.
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CHEMISTRY

- Q:1. Write and learn the following topics of 3rd chapter 'Classification of elements and periodicity in properties'.
- (a) Modern periodic law
 - (b) Present form of periodic table
 - (c) Periodic trends –
Atomic radii, ionic radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency.
- Q:2. Solve worksheet of chapter 1st and 2nd to be given.
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APPLIED ART

- Draw four drawings each of the following (pencil sketch and shading) on the portfolio:-
- 1. Nature
 - 2. Games and sports
 - 3. Family and friends in daily life
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PHE

- Prepare the practical file report in accordance with the instruction given by your PHE teacher.
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MATHEMATICS

- Q:1. Find the general solution of $\sqrt{3} \cos x + \sin x = \sqrt{2}$.
- Q:2. Find the general solution of $(\sqrt{3}-1)\cos x + (\sqrt{3}+1)\sin x = 2$.
- Q:3. Find the general solution of equation $5 \cos^2 x + 7 \sin^2 x - 6 = 0$.
- Q:4. Solve:- $\tan 2x = -\cot\left(x + \frac{\pi}{3}\right)$.
- Q:5. Prove that $\cos \frac{\pi}{5} \cos \frac{2\pi}{5} \cos \frac{4\pi}{5} \cos \frac{8\pi}{5} = \frac{-1}{16}$.
- Q:6. Find the value of $\sin 18^\circ, \cos 36^\circ$.
- Q:7. Find the value of $\cos^4 \frac{\pi}{8} + \cos^4 \frac{3\pi}{8} + \cos^4 \frac{5\pi}{8} + \cos^4 \frac{7\pi}{8}$.
- Q:8. Prove that $\sin 20^\circ \sin 40^\circ \sin 60^\circ \sin 80^\circ = \frac{3}{16}$.
- Q:9. If $\sin x = \frac{1}{4}$, x lies in II quadrant then find the values of $\sin \frac{x}{2}$, $\cos \frac{x}{2}$ and $\tan \frac{x}{2}$.
- Q:10. Find the value of $\left(1 + \cos \frac{\pi}{8}\right)\left(1 + \cos \frac{3\pi}{8}\right)\left(1 + \cos \frac{5\pi}{8}\right)\left(1 + \cos \frac{7\pi}{8}\right)$
- Q:11. Find the domain and range of the function $f(x) = x^2 + 3x + 5$
- Q:12. Find domain of the function $f(x) = \sqrt{4-x} + \frac{1}{\sqrt{x^2-1}}$
- Q:13. Find domain and range of the function $f(x) = \sqrt{9-x^2}$
- Q:14. Find domain and range of $f(x) = \frac{x^2 + 3x + 5}{x^2 - 5x + 4}$
- Q:15. Find domain and range of the function $f(x) = 1 - |x - 2|$
- Q:16. Solve system of linear inequality graphically: $x + y \leq 6, x + y \geq 4$.
- Q:17. Solve: $2(x-1) < x+5, 3(x+2) < 2-x$
- Q:18. Solve for $x, |x-1| \leq 5, |x| \geq 2$
- Q:19. Solve for $x, |x+1| + |x| > 3$
- Q:20. Solve for $x, \frac{|x+3|+x}{x+2} > 1$
- Q:21. For any three sets A, B and C, prove that:-
(i) $A \cap (B - C) = (A \cap B) - (A \cap C)$
(ii) $A - (B - C) = (A - B) \cup (A \cap C)$

BUSINESS STUDIES

→ Project on any product

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BIOLOGY

- Q:1. Make a flowchart on assignment sheets.
(a) Plant Kingdom
(b) Animal Kingdom
- Q:2. Make a type of scictionary/dictionary for important terms on biology chapters done till now.
- Q:3. Revise all the chapters done till vacations and prepare for test.
- Q:4. Make a scrapbook and paste 5 pictures of commercial plants and medicinal plants with their botanical names and their uses?

HINDUSTANI MUSIC (VOCAL)

Theory

- Q:1. Define of the following:
(i) Sangeet (ii) Dhwani (iii) Saptak
(iv) Swara (v) Shruti

Practical

- Q:2. Describe in detail Taal, Teental and Ektaal.
- Q:3. Paste the pictures of instruments e.g. Harmonium, Guitar, Sitar, Tanpura, Tabla, Flute and write briefly on it.
- Q:4. Contribution and short life sketch of
(i) Miyan Tanse
(ii) Pt. V.N. Bhattachande
(iii) Pt. Vishnu Digamber Pluskar

POLITICAL SCIENCE

1. Prepare the following chapters (read and learn) thoroughly.
(a) Political Theory an Introduction (b) Freedom
(c) Constitution : Why & How (d) Rights in the Indian Constitution
2. Prepare a project on file on the following topic.
→ Eight major committees on different subjects of the constituent assembly

HISTORY

- Make any one project on the following topics on scrap book at least (750 – 800) words.
1. Critique of the industrialization in Britain.
 2. Piecing together the past of Genghis Khan.
 3. An exploratory study into the making of America.
 4. Scientific Revelation and the origins of modern science.

- Allocation of marks [20]

The allocation of marks is as under:-

1.	Project synopsis	2 marks
2.	Timeline/Explanation and interpretation and map works	5 marks
3.	Visual /Overall presentation	4 marks
4.	Analysis/ Data/Statistical analysis	4 marks
5.	Bibliography	1 mark
6.	Viva	4 marks
	Total	20 marks

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ECONOMICS

1. PPC
2. Demonetization
- Projects

ACCOUNTS

→ Project on sole proprietorship

COMPUTER

- * Store Summer holidays homework in a CD {Compact Disc}
- * Pictures can be scan/taken from your computer book **OR** from Internet sources.
- * Do Holiday Homework individually, not in groups.



- Q1. Type **ten sentences** on Computer and save in a notepad file with the name “MY Computer Knowledge”.
- Q2. Design a PowerPoint Presentation that shows ‘**Python in brief**’ with the help of animation. {See in your latest syllabi}
- Q3. Create a table in MS-word file and type **Differences between an Expression & Statement**. {See Pg. No. 43 }
- Q4. Generate a sheet in MS-Excel file and type **Mathematical/Arithmetic operators with their description**. {See Pg. No. 29 }
- Q5. Draw a Computer in MS Paint file that depicts **how a user switches it on** and save in a file with the name “MY Computer”.
- Q6. Type instructions to the interactive mode for the following and save in a notepad file with the name “MY python prgs”.
- (a) To display sum of 5, 8, 2
 - (b) To display 5, 8, 2
 - (c) To display “I am a class XI” + “Student”
 - (d) To display Jan, Feb, Mar, Dec with tab space(as separator).
 - (e) To display the sum of three variables stored in Total variable.
 - (f) To retrieve the address of Total variable.
 - (g) To display the value of a^2 , a^3 , a^4 . Here $a=10$.
- Q7. Make a PPT on “**Relational Operators**” with the help of animation. {See Pg. No. 31 }
- Q8. Find output generated by the following python code and save in a notepad file with the name “MY python Otp”.

<pre>x=3 y=1 x+=y print(x,y)</pre>	<pre>def triangle(): print("*") print("****") print("*****")</pre>
<pre>x=8 y=2 x+=y y-=x print(x,y)</pre>	<pre>a=(76>85) d=(85>76) z=(76<85) x=(85<76) print(a,d,z,x)</pre>
<pre>x=8 y=6 x=x**2 y=y**4 print(x,y)</pre>	<pre>n1="45" n1=eval(n1) n2="40" n2=eval(n2) s=n1+n2 print(s)</pre>