

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

S.NO	Class	Subject					
1	VI	HINDI	ENGLISH	MATH	SOCIAL SCIENCE	SCIENCE	SANSKRIT
2	VII	HINDI	ENGLISH	MATH	SOCIAL SCIENCE	SCIENCE	SANSKRIT
3	VIII	HINDI	ENGLISH	MATH	SOCIAL SCIENCE	SCIENCE	SANSKRIT
4	IX	HINDI	ENGLISH	MATH	SOCIAL SCIENCE	SCIENCE	
5	X	HINDI	ENGLISH	MATH	SOCIAL SCIENCE	SCIENCE	
6	XI	ENGLISH	HINDI	MATH	PHYSICS	CHEMISTRY	BIOLOGY
		COMPUTER SCIENCE	ACCOUNTANCY	BUSINESS STUDY	ECONOMICS	POL-SCIENCE	HISTORY
		GEOGRAPHY	PHY.EDUCATION				
7	XII	ENGLISH	HINDI	MATH	PHYSICS	CHEMISTRY	BIOLOGY
		COMPUTER SCIENCE	ACCOUNTANCY	BUSINESS STUDY	ECONOMICS	POL-SCIENCE	HISTORY
		GEOGRAPHY	PHY.EDUCATION	IP			

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -VI

Subject-English

- a) Write 20 antonyms
- b) Write 20 forms of verb
- c) Write 20 synonyms
- d) Solve the back exercises of all the chapters given below:
 - 1) Fair Play
 - 2) The wonderful words
 - 3) Who I am
- e) Write and learn the question answers of all the chapters .
- f) Write a formal and informal letter
- g) You are the head boy/ girl of the school .write a notice to inform the students about the annual sports day.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -VI

Subject-Hindi

संस्कृत शरदकालीन अवकाश गृहकार्य

हिंदी (कक्षा- ६)

- अक्षरों की खोज का सिलसिला कब और कैसे शुरू हुआ ?
- चिड़िया को किन - किन चीजों से प्यार है ?
- लेखिका बचपन में इतवार की सुबह क्या-क्या काम करती थीं ?
- केशव ने श्यामा से चीथड़े, टोकरी और दाना-पानी मांगकर कार्निंस पर क्यों रखे थे ?
- छोटू को सुरंग में जाने की इजाज़त क्यों नहीं थी ?
- नागराजनकेएल्बमकेहिटहोजानेकेबादराजपाकेमनकीक्यादशाहुई?

व्याकरण-

१. सर्वनामकीपरिभाषालिखिए। प्रत्येकभेदकाउदाहरणलिखिए।

- नीचे दिए गए अशुद्धशब्दों के शुद्ध रूप लिखो-

१.	तिथी		११.	पियास	
२.	श्रीमति		१२.	अगामी	
३.	सामिग्री		१३.	लड़ायी	
४.	अलोकिक		१४.	सैना	
५.	निति		१५.	प्रशाद	
६.	नुपुर		१६.	असोक	
७.	बिमारी		१७.	अमावश्या	
८.	शताब्दि		१८.	विषेश	
९.	बसन्त		१९.	शाशन	
१०.	प्रथक		२०.	दरश्य	

पेड़ों

अनुच्छेद लेखन -

का महत्व और अपना
विद्यालय

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

CLASS 6TH

Class -VI Subject MATH
HOLIDAY HOMEWORK MATHEMATICS

1. Write the first five whole number.
2. Write the greatest six digit number.
3. Write the four negative integers greater than -20 .
4. Write the integer between 5 and -5 on number line.
5. What is the smallest prime number.
6. Find the solution of $(+7) + (-11)$ without using number line.
7. Write the predecessor of -67 is .
8. Find the value of $780 \times 0 =$
9. Write the integers between -8 and -3 .
10. Sum of $(-7) + (-8) = \dots$
11. Write the successor of (-79) .
12. The largest negative integer is
13. The smallest positive integer is
14. Write the mixed fraction of $20/3$ and $40/7$.
15. Convert 1Km to meter.
16. Sum of 137 and -353 .
17. Solve: $(12/3) + (4/6) - (5/4)$.
18. Convert 1meter to centimetres.
19. Write the formula of area of rectangle.
20. Fill in the blanks: (a) $(-8) + \dots = 0$. (b) $(-4) + \dots = -12$.
21. Write the formula of the perimeter of square.
22. Write the formula of area of square.
23. Write the ascending order the following numbers: $17, 5, 41, -10, -21$.

24. Fill in the blanks with $>$, $<$ or $=$ sign.

(a) $(-3)+(-6)$ _____ $(-3)-(-6)$.

(b) $45-(-11)$ _____ $57+(-4)$.

25. Solve: $50-(-40)-(-2)$.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

HOLIDAY HOME WORK FOR 6th CLASS Class –VI Subject-Science

SUBJECT-SCIENCE

1-Paste pictures of different types of habitat and different types of changes in scrap book.

ANSWER THE FOLLOWING QUESTIONS:

- 1.Name the functional and structural unit of the body.
- 2.what is a group of similar cells with same kind of function called?
- 3.what is cartilage?
- 4.If you tie a scale with your arm are you able to bend your elbow ? why?
- 5.can bones be bent?
- 6.give two examples of hinge joint?
- 7.what are three components of skeleton?
- 8.write the name of a bird which can swim in water ?
- 9.name the organs protected by rib cage?
- 10.write the names of a three animals that have streamlined body?
- 11.name the [place where an organism lives and gets its food
- 12.write the names of two mountainous plants?
- 13.give the names of two organisms which are adapted to live in deserts?
- 14.name the animal which is called the ship of a desert?
- 15.what are various types of habits?
- 16.what are two components of habitat?
- 17.name two animals which live in arial habitat?
- 18.does the adaptation takes place in a short time?
- 19.how does a gills help a fish?
- 20.name the habitat in which rats and snakes live in burrows?
- 21.why do we need a separate substances?
- 22.give examples of two pure substances?
- 23.we prepare a solution of sugar in water. Name the solute and solvent in this solution ?
- 24.name any two impure substances?
- 25.name the process used to separate cream from curd?
- 26.name the device which is used to separate liquid from a solids?
- 27.what is the opposite method of evaporation ?
- 28.write the name of the method by which we get salt from the ocean water?
- 29.which method is used to separate the peices of stones from grains?
- 30.how can we separate grains from stalks?
- 31.you are given a mixture of salt and sand . can you separate them by handpicking

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –VI

Subject-Social Science

HOLIDAY HOMEWORK FOR CLASS VI AUTUMN BREAK 2018-19

Q.1 EXPLAIN SOLAR SYSTEM WITH DIAGRAM ?

Q.2 WHAT WERE TEACHINGS OF MAHATMA BUDDHA?

Q.3 WHAT ARE THE THREE HEAT ZONES OF EARTH WITH DIAGRAM.

Q.4 WHAT ARE THE ELEMENTS OF THE MAP ?

Q.5 WHAT ARE THE DIFFERENCES BETWEEN MANUSCRIPT AND INSCRIPTION ?

Q.6 WHAT IS THE DIFFERENCE BETWEEN PLANET AND STARS?

Q.7 LIST THREE WAYS IN WHICH HUNTERS USED FIRE . WOULD YOU USE FIRE FOR ANY THREE PURPOSES TODAY ?

Q.8 WHY DO PEOPLE WHO GROW CROPS HAVE TO STAY IN SAME PLACE FOR LONG TIME ?

Q.9 DESCRIBE THE WAYS IN WHICH BUDDHA TRIED TO SPREAD MESSAGE TO PEOPLE ?

Q.10 WHAT ARE THE DIFFERENCES BETWEEN ROTATIONS , REVOLUTION , AND LEAP YEAR?

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -VI

Subject-SANSKRIT

संस्कृत शरदकालीन अवकाश गृहकार्य

कक्षा – ६

शब्दरूप- शब्द- अकारान्त पुल्लिङ्ग- बालक , पंडित , देव, विद्यालय, सूर्य, |

शब्दरूप- शब्द- आकारान्त स्त्रीलिङ्ग- बालिका, भूमिका, रसिका, कलिका, |

शब्दरूप- शब्द- नपुंसकलिङ्ग- पुष्पम् , पुस्तकम्, पत्रम्, उद्यानम्, मित्रम् |

शब्दरूप- शब्द –इकारान्त पुल्लिङ्ग – मुनि, रवि, कपि, हरि, बलि, कवि |

शब्दरूप- शब्द- उकारान्त पुल्लिङ्ग – साधु, भानु , गुरु , विष्णु , शिशु |

धातुरूप- (लट लकार, लृट लकार, लङ लकार) धातु- हस् , खेल, खाद्, चल, मिल,

इष् , पत् , धाव् , नी , चिन्त, गम् |

1. उचित्कथानां समक्षम् 'आम्' अनुचितकथानां समक्षं 'न' इति लिखत - 5

(क) काकः कृष्णः न भवति

(ख) अस्माभिः पिरयं वक्तव्यम्

(ग) वसन्त समये पिककाकयोः भेदः भवति

(घ) वैनतेयः पशुः अस्ति

(ङ) वचने दरिद्रता न कर्तव्या

२. मञ्जूषातः पदानि चित्वा लिखत - 5

पिपासा , पृथ्वी, अधिकम्, रविः, वस्त्राणि

(क) धारित्री

(ख) विपुलम्

(ग) तृषा

(घ) वासनानि

३. मञ्जूषातः विलोमपदानि चित्वा लिखत - 5

धनिकम्, नीरसा, अक्षमम्, ग्रीष्मे, दूरे

धनिकम् =

नीरसा =

अक्षमम् =

ग्रीष्मे =

दूरे =

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -VII

Subject-English

a) Solve the back exercises of the following chapters:

1) The invention of vitruvius

2) Fire: Friend and foe

3) Dad and the cat and the tree

b) Learn the question answers of all the chapters including in the syllabus of II term

c) Solve the exercise given below using correct determiners:

1. I don't like _____ of my physics teachers.

2. _____ people don't trust politicians.

3. Neither the door _____ the window was open.

4. _____ the shops are closed on Sunday.

5. They spend _____ their income on movies.

6. _____ my friend wished me on my birthday.

7. _____ his ideas are quite interesting.

8. _____ my children are engineers.

9. His ideas are _____ different from those of his peers.

10. The job isn't _____ different from the old one.

11. They were bored because there was _____ to do.

12. We invited _____ friends over to our house for a barbecue.

13. _____ of the cakes have been baked before.

14. Sally did not take _____ photos when she was on holiday.

15. The teacher gave me _____ candies.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

संस्कृत शरदकालीन अवकाश गृहकार्य

Class -VII

Subject-Hindi

कक्षा - ७

1. तोत्तो -चान ने यासुकी चान को ऊपर चढ़ाकर ही दम लिया | इसके लिए उसने क्या -क्या प्रयास किए ?
2. यासुकी -चान के लिए यह सब नया अपूर्व अनुभव था | स्पष्ट कीजिए |
3. तोत्तो -चान ने पहले क्या योजना बनाई थी ?
4. तोत्तो- चान की पहली योजना क्यों नहीं सफल हुई?
5. तोत्तो चान किस उद्देश्य से घर से निकली थी ?
6. तोत्तो -चानको अपनी शक्ति पर हौरानी क्यों हुई ?
7. माधवदासके प्रलोभनोंके बावजूद चिडियाउनके बहकावमें नहीं आई | क्यों?
8. माधवदास जी चिडिया को अपने पास क्यों रखना चाहते थे।
माधवदास जी ने चिडिया को क्या-क्या प्रलोभन दिया।

व्याकरण-

- निचे दिए गए अशुद्धशब्दों के शुद्ध रूप लिखो-

१.	मैथलीशरण		११	व्योहार	
२.	निरिक्षण		१२	दाइत्व	
३.	इतिहाषिक		१३	यथेष्ठ	
४.	राजाभिषेक		१४	समवाद	
५.	आशिर्वाद		१५	हंसिया	
६.	कृतघन		१६	गंवार	
७.	प्रदर्शिनी		१७	वापिस	
८.	आनुग्रहित		१८	गृहणी	
९.	व्यक्तिक		१९.	अतिथी	
१०.	अनुदित		२०.	कालीदास	

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –VII

Subject-Maths

CLASS 7TH

HOLIDAY HOMEWORK

MATHEMATICS

1. Find the product of $9x(-3)x(-6)$.
2. Write the smallest positive integer.
3. Sum of $7/4 + (3/5)$.
4. Divide 3.28 by 0.4.
5. Product of $0.3 \times 0.3 \times 0.3 = \dots\dots\dots?$
6. Write the three equivalent fraction of $(3/5)$.
7. Multiply: $(3/4)$ by $(5/7)$.
8. Solve $4x + 3 = 7$.
9. Find (a) $2.7 \div 100$ (b) $0.5 \div 1000$.
10. Sum of $(5.67) + (0.76) + 1.00$?
11. Construct angle $90, 75, 120$ degree by compass.
12. Write equations for the following statements: (a) Three fourth of y is 15. (b) The difference between y and 2 is 9.
13. Multiply: $(0.32)(4.5)$.
14. If length = 12cm and breadth = 10m, Find the area of rectangle.
15. Find the perimeter of square if side of square is 15m.
16. Find the area of square if side of square is 20cm.
17. Find the area of triangle when base = 12cm and height = 5cm.
18. Solve: $(4x + 5) = (-7)$.
19. Find the area of equilateral triangle having each side is 40cm.
20. Find the area of circle when diameter is 42cm.
21. Find the perimeter of circle when radius is 24cm.
22. Find the average of 4.2, 3.8, and 7.6.
23. Addition of 0.03 and 0.011.
24. Find the length of rectangle when area = $225m^2$ and breadth = 15m.
25. Solve: $[32 \times 0.12] + [15 - 13]$.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -VII

Subject-Science

HOLIDAYS HOMEWORK OF 7TH SUB SCIENCE (2018-190

1. Prepare a report of 1000 words on water pollution. Write its sources , effects and about prevention.
 2. Collect different kinds of leaves and paste them in a scrap book after drawing.
 3. Prepare report on the sub themes of National Children Science Congress.
 4. Write five benefits that we get from forests.
 5. Explain about the organisms found in forest.
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Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –VII

Subject-Social Science

HOLIDAY HOMEWORK CLASS VII AUTUM BREAK 2018-19

Q.1 WHAT ARE ELEMENTS OF MUGHALS CHAAR BHAG ?

Q.2 WHAT IS THE MEANING OF ENVIRONMENT AND EXPLAIN THE TYPES OF ENVIRONMENT ?

Q.3 LIST THE DIFFERENT WAY IN WHICH YOU WOULD FIND INFORMATION ?

Q.4 IN A DEMOCRACY , WHY IS UNIVERSAL ADULT FRANCHISE IS IMPORTANT ?

Q.5 IN WHAT WAYS OMPRAKASH VALMIKI EXPERIENCE SIMILAR TO THAT OF ANSAARI ?

Q.6 HOW DID RASHTRAKUTES BECOMES POWERFUL?

Q.7 ACCORDING TO THE CIRCLE OF JUSTICE WHY WAS IT IMPORTANT FOR THE MILITARY COMMANDER ?

Q.8 HOW IMPORTANT WERE CRAFTSPERSONS FOR THE BUILDING AND MAINTINANCE OF TEMPLE?

Q.9 DISSCUSS WHY THE MUGHALS WERE INTERESTED IN THE LAND OF THE GONDS ?

Q.10 TO FILL 29 STATES WITH CAPITALS IN 5 INDIAN POLITICAL MAPS?

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –VII

Subject-Sanskrit

संस्कृत शरदकालीन अवकाश गृहकार्य

कक्षा – ७

1. शब्दरूप- शब्द- एतत् (पुल्लिंग), (स्त्रीलिंग),(नपुंसकलिंग)।
2. शब्दरूप- शब्द-तत् (पुल्लिंग), (स्त्रीलिंग),(नपुंसकलिंग)।
3. शब्दरूप- शब्द-किम् (पुल्लिंग), (स्त्रीलिंग),(नपुंसकलिंग)।
4. शब्दरूप-इकारान्त स्त्रीलिंग शब्द – मति ।
5. शब्दरूप ईकारान्त स्त्रीलिंग शब्द – नदी ।
6. शब्दरूप-इकारान्त नपुंसकलिंग शब्द – वारि ।
7. ऋकारान्त पुल्लिंग शब्द- पितृ ।
8. उकारान्त नपुंसकलिंग शब्द – मधु ।
9. धातुरूप- (लट लकार, लृट लकार, लङ् लकार, लोट लकार, विधिलिंग लकार)- धातु – चर्, कृ, वस्, दृश्, स्था, पच्, पा ।

1. अधोलिखितानां पदानां पर्याय पदं पाठात् चित्वा लिखत :-

1. पर्वतः _____
2. इन्द्रः _____
3. इच्छतम् _____
4. धरतिरम _____
5. वाणी _____
6. भूपतिः _____
7. धनम् _____
8. समीपम् _____
9. कल्याणम् _____
- १० वृक्षः _____

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –VIII

Subject-English

1. Paste and Solve three Reading Passages in your note book.

2. NOTICE WRITING

Competition notice (2)

Notice for donating blood

Lost and found notices(2)

3. Letter writing :

To father giving home news.

To younger brother advising him to take part in sports as he is not keeping good health.

To your younger sister describing celebration of Annual Sports Meet of your vidyalaya .

4. Paste half yearly Question paper in your note book and solve it

5. Story Writing(3)

The Sun and The Wind

An Honest woodcutter

Hard work is The Key to Success

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -VIII Subject-Hindi

वसंतकालीन अवकाशगृहकार्य

कक्षा 8

- 1 अपनी पाठ्यपुस्तक से 20 मुहावरे चुनकर उनका वाक्य में प्रयोग भी लिखिए?
- 2 प्रत्यय किसे कहते हैं प्रत्येक प्रत्यय का एक एक उदाहरण लिखिए?
- 3 कारक किसे कहते हैं प्रत्येक का एक एक उदाहरण लिखिए ?
- 4 पर्यावाची किसे कहते हैं 20 पर्यावाची शब्द लिखकर उनके 3-3 पर्यावाची लिखिए?
- 5 विपरीतार्थक किसे कहते हैं 50 उदाहरण दीजिये ?
- 6 उपसर्ग किसे कहते हैं प्रत्येक का एक एक उदाहरण दीजिये ?
- 7 अतिशयोक्ति अलंकर किसे कहते हैं दो उदाहरण दीजिये
- 8 समास किसे कहते हैं सोदाहरण भेद दीजिये ?

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -VIII

Subject-Maths

Class 8th Holiday Homework

Mathematics.

1. Adding the rational number $(-5/7)$ and $(3/7)$.
2. Simplify: $8/5 + (4/3)$.
3. Write the additive inverse of $(3/11)$ and $(-17/5)$.
4. Zero has _____ reciprocal.
5. The reciprocal of positive rational number is _____?
6. Find the least number of three digits which is perfect square.
7. Write the Pythagorean triplet whose one number is 14.
8. Find the square root of 11025 by prime factorisation.
9. Find the greatest number of 5 digits which is a perfect square.
10. Find the square root of 10.24 ?
11. Solve $3(2y-3)=2(3y+2)$.
12. Solve: $3y=2y+18$
13. The sum of three consecutive multiples of 8 is 888. Find the multiples.
14. Solve: $y-2=7$.
15. Solve $(64)^{1/2}$.
16. Find the two rational number between $1/5$ and $1/2$.
17. Simplify: $(5^{-1})(3^{-1})=$ _____?
18. Subtract $(2a-b)$ from $(3a-5b)$.
19. Find the circumference of circle when radius of circle is 7cm.
20. Find the area of square when side of square is 15m.
21. Perimeter of rectangle is 38m and length is 15m .Find the breadth of rectangle.
22. Perimeter of circle is 220cm .Find the radius of circle.
23. Find the square root of 2.56 by division method.
24. Perimeter of square is 144cm .Find the side of square.
25. The ages of Hari and Ritu are in the ratio 5:7. Four years from now the ratio of their ages will be 3:4 Find their present ages.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -VIII

Subject-Science

Holidays homework (Autumn Break) of Class VIII 2018-19

Q1 Draw well labelled diagrams of the following:

- (i) Human Ear
- (ii) Human Eye
- (iii) Human Sperm
- (iv) Nerve cell
- (v) Plant cell and Animal cell
- (vi) Nitrogen cycle
- (vii) Flame

Q2. Complete the back exercise of Ch 11 to 18

Q3 Write down the question answers of Ch 11 and Ch 12

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –VIII

Subject-Social Science

HOLIDAY HOMEWORK CLASS VIII FOR AUTUM BREAK 2018-19

Q.1 WHY DID THE BRITISH PRESERVE OFFICIAL DOCUMENTS ?

Q.2 IN WHAT WAY WAS THE ADMINISTRATION OF THE COMPANY DIFFERENT FROM THAT OF INDIAN RULERS?

Q.3 DESCRIBE THE FEATURES OF PERMANENT SETTLEMENT ?

Q.4 WHAT WAS BIRSA VISION OF A GOLDEN AGE ? WHY DO YOU THINK SUCH A VISION APPEARED TO THE PEOPLE OF REGION?

Q.5 DEFINE AGRICULTURE , RESOURCES , DOCTRINE OF LAPSE, EQUALITY and CONSTITUTION

Q.6 WHAT PROBLEMS DID SHIFTING CULTIVATORS UNDER BRITISH RULES ?

Q.7 HOW DO YOU THINK RIGHT TO CONSTITUTION REDEMIES UNDER TO THE IDEA OF JUDICIAL REVIEW ?

Q.8 TO FILL CENTRES OF 1857 REVOLT IN INDIAN POLITICAL MAP?

Q.9 WHAT ARE THE FEATURES OF CONSTITUTION AND EXPLAIN THEM?

Q.10 EXPLAIN THE FUNDAMENTAL RIGHTS ?

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –VIII

Subject-Sanskrit

संस्कृत शरदकालीन अवकाश गृहकार्य
कक्षा – ८

1. शब्दरूप- शब्द- एतत् (पुल्लिंग), (स्त्रीलिंग),(नपुंसकलिंग)।
2. शब्दरूप- शब्द-तत् (पुल्लिंग), (स्त्रीलिंग),(नपुंसकलिंग)।
3. शब्दरूप- शब्द-किम् (पुल्लिंग), (स्त्रीलिंग),(नपुंसकलिंग)।
4. शब्दरूप- शब्द- अस्मद् शब्द ।
5. शब्दरूप- शब्द- युस्मद् शब्द ।
6. शब्दरूप- शब्द-संख्यावाचीशब्द- एक, द्वि, त्रि, चतुर ।
7. शब्दरूप- शब्द- इदम् (पुल्लिंग), (स्त्रीलिंग),(नपुंसकलिंग)।
8. धातुरूप- (लट लकार, लृट लकार, लङ् लकार, लोट लकार, विधिलिङ लकार)- धातु – चर्, कृ, वस्, दृश्, स्था, पच्, पा गै, पाल, ज्ञा ।

1. निम्नलिखित पदानां संधिविच्छेद कुरुत:-

1. सानोरूपरि:- _____
2. भूमिनर्गेन्द्र :- _____
3. ३. स्वसचिवैश्च:- _____
4. तवोधाने:- _____
5. शुक्राऽपि:- _____
6. आकर्ण्येतत्+ _____
7. अर्थोऽर्थित:- _____
8. 8 अभीष्टम्+ _____
9. संसारेऽनश्वर :- _____
10. तरोरुद भूत :- _____
11. कस्यायम :- _____
12. न्यवेदयत् :- _____

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -IX

Subject-English

ENGLISH

1. Paste and solve three reading Passages in your notebook.
2. Diary Entries (3)
 - a) Describing Annual Sports Meet of your Vidyalaya.
 - b) How you spent your autumn break.
 - c) Celebration of Dussehra.
3. Story Writings (3)
 - a) Story with the title A Horrible Nightmare.

 - b) Story with the beginnings ----“ once a rich lady who lived in a large mansion, became blind-----
 - c) I was going home after school, when suddenly two people overtook our school bus-----
4. Download two sample papers from CBSE website and solve them in your note book.

Also paste Half yearly question paper in your note book and solve it.

Kendriya Vidyalaya No.1 Ferozepur Cantt

Holiday Home Work

Class -IX

Subject-Hindi

Kendriya Vidyalaya No.1 Ferozepur Cantt

Holiday Home Work

Class -IX

Subject-Maths

Holidays H.W. FOR AUTUMN BREAK
CLASS IX SUB : MATHS

I) Revise ch 1- 8 .

II) Solve Q. Paper of half yearly exam in Maths Notebook.

III) Solve the following assignment

1. Rationalise the denominator of $\frac{1}{\sqrt{7}-\sqrt{6}}$
2. Find the zero of the polynomial $p(x) = 2x + 1$
3. Find the value of k if $x = 2$, $y = 1$ is a solution of $2x + 3y = k$.
4. State any postulate of Euclid.
- 5 Evaluate $64^{\frac{2}{3}}$
6. Show how $\sqrt{3}$ can be represented on the number line
- 7, Express the equation $x = 7y - 3$ in the form of $ax + by + c = 0$ and write the values of a, b ,c
8. Using factor theorem state whether $g(x)$ is a factor of $p(x)$ or not
 $p(x) = x^3 - 4x^2 + x + 6$ $g(x) = x - 3$
9. Find any four solutions for the equation $3x + y = 11$
- 10 . Give the geometric representation of $y = 3$ as an equation
 - (i) in one variable
 - (ii) in two variable
11. Express $1.272727.....$ in the form of $\frac{p}{q}$ where p, q are integers and $q \neq 0$
- 12 Prove that if two lines intersect the vertically angles so formed are equal.
OR
In figure , lines XY and MN Intersects at o O. If $\angle POY = 90$ and $a:b = 2 : 3$,find c.
13. Prove that an equilateral triangle can be drawn on any line segment.
14. Factorise the following using appropriate identities:
 $9x^2 + 6xy + y^2$
15. The taxi fare in a city is as follows: For the first kilometre, the fare is Rs 8 and for the subsequent distance it is Rs 5 per km. Taking the distance covered as x km and total fare as Rs y, write a linear equation for this information, and draw its graph.
16. Without actually calculating the cubes, find the value of each of the following:
 $(-12)^3 + (7)^3 + (5)^3$
OR
Factorise the following:
 $8a^3 + b^3 + 12a^2b + 6ab^2$
17. Find six rational numbers between 3 and 4.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -IX

Subject-Science

HOLIDAYS HOME WORK (SCIENCE) CLASS-9

- 1.Solve the mid term question paper.
- 2.Fivedefinations from each lesson taught.
- 3.Write the chemical formulae of atleast 10 compouds.
- 4.Learn periodic table given on page no. 51.
- 5.Draw diagrams of plant cell,animalcell,nervecell,complex tissue and types of muscle fibre.
- 6.Solveatleast 5 numericals from each lesson of physics.
- 7.Derive all the equations of motions.
- 8.Prepare a chart of 10 diseases-Causitiveagents,Symtoms, preventive measures and cure.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class – IX
Science

Subject-Social

HOLIDAYS HOMEWORK 2018 SST Class IXth
learn and write the following question answer

K.V NO 1 FEROZPUR CANTT

Q1 Discuss why nazism became popular in Germany by 1930?

Q2 Drawup a list of democratic rights we enjoy today whose origins could be traced the France revolution.?

Q3 How would you explain the rise of Napoleon?

Q4 What are the various way to increase the agricultural production in india?

Q5 What do you know about human rights explain?

Q6 What are the features of democracy?

Q7 Why there is need of democracy?

Q8 Write a short note on broader meaning of democracy?

Q9 Explain difference between democracy and non democracy with example?

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -X

Subject-English

Class X A&B(English)

1. Letters To Editor showing concern over

- a) the problem of traffic problem.
- b) Increasing dependence on the coaching institutions.
- c) Excessive use of mobile phones by school children.
- d) How to handle threats to India's integration

2. Letters of complaints

- a) To senior superintendent of police regarding increasing number of thefts.
- b) to the executive officer of the municipality complaining against the poor condition of roads in your locality

3. Character sketch of

Mr.Anagnos

Dr.Alexander Graham Bell

Bishop Brook

4. Solve three Reading Passages.

5. S olve three Exercises each of editing, omission, jumbled sentences, news completion etc.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -X

Subject-Hindi

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -X

Subject-Maths

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -X

Subject-Science

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Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -X

Subject-Social Science

HOLIDAYS HOMEWORK 2018 SST Class Xth
learn and write the following question answer

K.V NO 1 FEROZEPUR CANTT

Q1 Explain the Gandhi's struggle for freedom?

Q2 what do you know about constitution? What is the features of it.

Q3 why did nationalist tensions emerge in the Balkan?

Q4 How was the history of nationalism in Britain unlike the rest of Europe?

Q5 Choose three example to show the contribution of culture to the growth of nationalism in Europe?

Q6 Though a focus on any two countries explain how nations developed over the 19teen century?

Q7 What do you mean by development?

Q8 what did development promise?

Q9 Locate the following place in the India map?

- 1 Delhi**
- 2 Bihar**
- 3 M.P**
- 4 H.P**
- 5 Amritsar**

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –XII

Subject-English

English Core (301)

Class-XII

Time allowed: 3 hours

Maximum marks: 100

General Instructions:

- (i) This section is divided into three sections: A, B and C. All the sections are compulsory.
- (ii) Separate instructions are given with each section and question, wherever necessary. Read these instructions very carefully and follow them faithfully.
- (iii) Do not exceed the prescribe word limit while answering the questions.

SECTION-(Reading) 30 Marks

1. Read the passage given below.

Concussions are brain injuries that occur when a person receives a blow to the head, face, or neck. Although most people who suffer a concussion experience initial bouts of dizziness, nausea, and drowsiness, these symptoms often disappear after a few days. The long-term effects of concussions, however, are less understood and far more severe. Recent studies suggest that people who suffer multiple concussions are at significant risk for developing chronic traumatic encephalopathy (CTE), a degenerative brain disorder that causes a variety of dangerous mental and emotional problems to arise weeks, months, or even years after the initial injury. These psychological problems can include depression, anxiety, memory loss, inability to concentrate, and aggression. In extreme cases, people suffering from CTE have even committed suicide or homicide. The majority of people who develop these issues are athletes who participate in popular high-impact sports, especially football. Although new sports regulations and improvements in helmet technology can help protect players, amateur leagues, the sports media, and fans all bear some of the responsibility for reducing the incidence of these devastating injuries.

Improvements in diagnostic technology have provided substantial evidence to link severe—and often fatal—psychological disorders to the head injuries that players receive while on the field. Recent autopsies performed on the brains of football players who have committed suicide have shown advanced cases of CTE in every single victim.

In response to the growing understanding of this danger, the National Football League (NFL) has revised its safety regulations. Players who have suffered a head injury on the field must undergo a “concussion sideline assessment”—a series of mental and physical fitness tests—before being allowed back in the game. In an effort to diminish the amount of head and neck injuries on the field, NFL officials began enforcing stricter penalty calls for helmet-to-helmet contact, leading with the head, and hitting a defenseless player. Furthermore, as of 2010, if a player’s helmet is accidentally wrenched from his head during play, the ball is immediately whistled dead. It is hoped that these new regulations, coupled with advances in helmet design, will reduce the number of concussions, and thus curb further cases of CTE. Efforts by the NFL and other professional sports leagues are certainly **laudable**; we should commend every attempt to protect the mental and physical health of players. However, new regulations at the professional level cannot protect amateur players, especially young people. Fatal cases of CTE have been reported in victims as young as 21. Proper tackling form—using the arms and shoulders to aim for a player’s midsection—should be taught at an early age. Youth, high school, and college leagues should also adopt safety rules even more stringent than those of the NFL. Furthermore, young athletes should be educated about the serious dangers of head injuries at an early age.

Perhaps the most important factor in reducing the number of traumatic brain injuries, however, lies not with the players, the coaches, or the administrators, but with the media and fans. Sports media producers have become accustomed to showcasing the most aggressive tackles and the most intense plays. NFL broadcasts often replay especially violent collisions while the commentators marvel at the players' physical prowess. Some sports highlights television programs even feature weekly countdowns of the "hardest hits." When the media exalts such dangerous behaviour, professionals are rewarded for injuring each other on the field and amateurs become more likely to try to imitate their favourite NFL athletes. Announcers, commentators, television producers, and sportswriters should engage in a collective effort to cease glorifying brutal plays. In turn, fans should stop expecting their favourite players to put their lives on the line for the purposes of entertainment. Players must not be encouraged to trade their careers, their health, their happiness, and even their lives for the sake of a game.

1.1. On the basis of your understanding of the above passage answer each of the questions given below with the help of options that follow:

- (a) chronic traumatic encephalopathy (CTE), a degenerative disorder is associated with
- (i) liver
 - (ii) kidney
 - (iii) brain
 - (iv) lungs
- (b) The majority of people who have developed the issue of CTE are
- (i) actors
 - (ii) politicians
 - (iii) common people
 - (iv) athletes
- (c) concussion sideline assessment is conducted to assess
- (i) physical and mental fitness
 - (ii) intelligence level
 - (iii) ability in singing
 - (iv) ability in dancing
- (d) Fatal cases of CTE have been reported in victims as young as
- (i) 21
 - (ii) 22
 - (iii) 25
 - (iv) 31

1.2. Answer the following questions briefly

- (a) What are the initial symptoms of concussion?
- (b) Who mostly suffers from CTE?
- (c) What did autopsies reveal about the players who committed suicide?
- (d) Why did NFL revise its safety regulations?
- (e) What should the players not do to entertain the fans?
- (f) What made it possible to detect fatal head injuries?
- (g) Find words from the passage which means the same as each of the following.
 - (i) praise worthy
 - (ii) strict

2. Read the passage given below.

The average computer user has between 5 and 15 username/password combinations to log in to email accounts, social networking sites, discussion boards, news and entertainment sites, online stores, online banking accounts, or other websites. For people who use email or other internet applications at work, the number of

required username/password combinations may surpass 30. Some of these accounts demand that you use a specific number of symbols and digits, while others require you to change your password every 60 days. When you add to this list the codes needed to access things like ATMs, home alarm systems, padlocks, or voicemail, the number of passwords becomes staggering. The feeling of frustration that results from maintaining a memorized list of log in credentials has grown so prevalent that it actually has a name: password fatigue.

Having to remember so many different passwords is irritating, but it can also be dangerous. Because it is virtually impossible to remember a unique password for each of these accounts, many people leave handwritten lists of user names and passwords on or next to their computers. Others solve this problem by using the same password for every account or using extremely simple passwords. While these practices make it easier to remember login information, they also make it exponentially easier for thieves to hack into accounts.

Single sign-on (SSO) authentication and password management software can help **mitigate** this problem, but there are drawbacks to both approaches. SSO authentication can be used for related, but independent software systems. With SSO, users log in once to access a variety of different applications. Users only need to remember one password to log in to the main system; the SSO software then automatically logs the user in to other accounts within the system. SSO software is typically used by large companies, schools, or libraries. Password management software, such as KeePass and Password Safe, is most often used on personal computers. These software programs—which have been built into many major web browsers—store passwords in a remote database and automatically “remember” users’ passwords for a variety of sites.

The problem with both SSO authentication and password management software is that the feature that makes them useful is also what makes them vulnerable. If a user loses or forgets the password required to log in to SSO software, the user will then lose access to all of the applications linked to the SSO account. Furthermore, if a hacker can crack the SSO password, he or she will then have access to all of the linked accounts. Users who rely on password management software are susceptible to the same problems, but they also incur the added threat of passwords being compromised because of computer theft.

Although most websites or network systems allow users to recover or change lost passwords by providing email addresses or answering a prompt, this process can waste time and cause further frustration. What is more, recovering a forgotten password is only a temporary solution; it does not address the larger problem of password fatigue.

Some computer scientists have suggested that instead of passwords, computers rely on biometrics. This is a method of recognizing human users based on unique traits, such as fingerprints, voice, or DNA. Biometric identification is currently used by some government agencies and private companies, including the Department of Defense and Disney World. While biometrics would certainly eliminate the need for people to remember passwords, **the use of biometrics raises ethical questions concerning privacy** and can also be expensive to implement.

The problems associated with SSO, password management software, and biometrics continue to stimulate software engineers and computer security experts to search for the cure to password fatigue. Until they find the perfect solution, however, everyone will simply have to rely on the flawed password system currently in place.

2.1. On the basis of your understanding of the above passage answer each of the questions given below with the help of options that follow:

- (a) The feeling of frustration results from maintaining a list of
 - (i) log in credentials
 - (ii) types of computers
 - (iii) types of software
 - (iv) companies
- (b) If a user loses or forgets the password required to log in to SSO software, the user will then lose access to
 - (i) one account
 - (ii) all the accounts linked to SSO software
 - (iii) it does not affect

(iv) CPU of a computer

2.2. Answer the following questions briefly

(a). Where do we need codes to access things?

(b) Why is it impossible to remember passwords?

(c). How does the SSO software work?

(d). Name some password management software .

(e). What is the main problem of SSO authentication and password management software?

(f) According to the passage is it possible to recover passwords and how?

(g) Find words from the passage which means the same as each of the following.

(a) to cause to doubt/ confusing

(b) defective

3. Read the given passage.:

The New Year is the time for resolution .Mentally; at least most of us could compile formidable lists of ‘do’s and ‘don’ts’. The same old favorites recur year in and year out with the children, do a thousand and one job about the house, be nice to people we don’t like, drive carefully, and take the dog for a walk every day. Past experience has taught us that certain accomplishments are beyond attainment. If we remain deep rooted liars, it is only because we have so often experienced the frustration that results from failure.

Most of us fail in our efforts at self improvement because our schemes are too ambitious and we never have time to carry them out. We also make the fundamental error of announcing our resolution to everybody so that we look even more foolish when we slip back into our bad old ways. Aware of these pitfalls, this year I attempted to keep my resolution to myself. I limited myself to two modest ambitions, to do physical exercise every morning and to read more in the evening. An overnight party on New Year’s Eve provided me with a good excuse for not carrying out either of these new resolutions on the first day of the year, but on the second, I applied myself assiduously to the task.

The daily exercise lasted only eleven minutes and I proposed to do them early in the morning before anyone had got up. The self discipline required to drag myself out of bed eleven minutes earlier than usual was considerable. Nevertheless, I managed to creep down into the living room for two days before anyone found me out. After jumping about in the carpet and twisted the human frame into uncomfortable positions. I sat down at the breakfast table in an exhausted condition. It was this that betrayed me. The next morning the whole family trooped into watch the performance. That was really unsettling but I fended off the taunts and jibes of the family good humorously and soon everybody got used to the idea. However, my enthusiasm waned, the time I spent at exercises gradually diminished. Little by little the eleven minutes fell to zero. By January 10th I was back to where I had started from. I argued that if I spent less time exhausting myself at exercises in the morning, I would keep my mind fresh for reading when I got home from work. Resisting the hypnotizing effect of television, I sat in my room for a few evenings with my eyes glued to a book. One night, however, feeling cold and lonely, I went downstairs and sat in front of the television pretending to read. That proved to be my undoing, for I soon got back to the old bad habit of dozing off in front of the screen. I still haven’t given up my resolution to do more reading. In fact, I have just bought a book entitled ‘How to Read a Thousand Words a Minute’. Perhaps it will solve my problem, but I just have not had time to read it.

a) On the basis of your understanding of the passage make notes on it using headings and sub-headings. Use recognizable abbreviations (wherever necessary-minimum four) and a format you consider suitable. Also supply an appropriate title to it.

b) Write a summary of the passage in about 80 words.

SECTION-B (ADVANCED WRITING SKILLS) 30 MARKS

4. You are Secretary of “HELPING HAND” a Non-Governmental Organization. Draft a notice of appeal in not more than 50 words to raise fund for the flood affected people of Ranga Reddy district, Hyderabad. Sign as Akash/Akanksha. 4 Marks

OR

According to government sources, India records highest rate of accidental deaths i.e. 400 deaths a day. Design a poster to create awareness on the theme “SAFETY FIRST and SPEED NEXT” in not more than 50 words.

5. Kashmir has always been the centre of debate and discussion. After the recent terrorist attack in Uri, the matter of national security is again on anvil. Being a concerned citizen, you are really worried to see the problems faced by Kashmiris in particular and Indians in general. Draft a letter to the editor of “Times of India” highlighting the issue of Kashmir and also offer your suggestions. You are Dev/Devi of Kargil, Jammu and Kashmir. 6 Marks

OR

Despite repeated reminder to the Manager, HPL Wholesale & Co., they were unable to comply with your orders. Write a letter to the Manager, HPL Wholesale & Co. cancelling your bulk order of computers and other electronics materials. Sign yourself as Manager, “Das & Sons Electronics World”, Ganeshguri, Guwahati.

OR

6. The recently concluded Paris Summit on Climate Change has emphasized the need of Preservation and Protection of Our Environment. Write an article in 150-200 words on the topic “Environmental Obligations of students”. You are Akriti/Akrit of Class-XII. 10 Marks

OR

Given the fact that our nation is transforming itself at a faster pace to achieve the determined goals. In this context write a debate in not more than 150-200 words on the topic “Is our nation transforming into a super power”. You are Anshika/ Hans raj of class-XII.

7. You are John/Jahnavi of class-XII, KV No.1 Bhubaneswar and pondering over why people in India are becoming more and more passionate and materialistic. You have found obesity, diabetes, leucoderma etc. ailments due to excessive consumption of fast food, late night sleeping habits etc. Draft a speech on the topic “Simple living and high thinking: A mantra of healthy living” to be delivered in the morning assembly of your school. 10 Marks

OR

Due to heavy rainfall in Arunachal Pradesh and consequent landslides, flood, disruption of transport and communication system etc. it is cut off from rest of India. Write a report on the havoc caused by rainfall in not more than 150-200 words. You are Sagar/sanghavi.

SECTION-C (LITERATURE AND LONG READING TEXT)(40 MARKS)

8. Read the extract given below and answer the questions that follow.

4 Marks

And such too is the grandeur of the dooms

We have imagined for the mighty dead;

All lovely tales that we have heard or read;

An endless fountain of immortal drink,

Pouring unto us from the heaven’s brink.

A. How is grandeur associated with the mighty dead?

B.What is implied by ‘all lovely that we heard or read’?

C.What does the poet call “an endless fountain of immortal drink”

D. Name the poet and the poem.

OR

Aunt Jennifer’s fingers fluttering through her wool

Find even the ivory needle hard to pull.

The massive weight of Uncle’s wedding band

Sits heavily upon Aunt Jennifer's hand.

A. Why do Aunt Jennifer's fingers flutter through the wool?

B. Why does she find it hard to pull the ivory needle?

C. Explain: 'massive weight of Uncle's wedding band'

D. How is Aunt Jennifer affected by the weight of matrimony?

9. Answer any of the FOUR questions in 30-40 words.

12 Marks

i) What forces conspire to keep the workers in the bangle industry of Firozabad in poverty?

ii) How does the metaphor of the rattrap serve to highlight the human predicament?

iii) Day dreaming and fantasy leads to disillusionment. Comment with respect to the lesson "Going Places".

iv) What do you think is the color of 'sour cream'? Why do you think the poet has used this expression to describe the classroom walls?

v) How did Maharaja feel when he killed the first tiger? What did the astrologer say at that occasion?

vi) What did the Detective Superintendent inform the Governor about Evans?

10. Answer the following question in about 120-150 words each.

6 Marks

Astrology no doubt is one of the science disciplines, but astrologers ought to take care of environment and wild animals because human beings cannot survive if the environment is damaged. With reference to the story 'The Tiger King' enumerate the damage caused to nature due to the prediction made by the astrologers in 120-150 words.

OR

Exploitation is a universal phenomenon. The poor indigo farmers were exploited by the British landlords to which Gandhi objected. Even after our independence we find exploitation of unorganized labour. What values do we learn from Gandhi's campaign to counter the present day problems of exploitation.

11. Answer the following question in about 120-150 words each.

6 Marks

"At last I felt released". Describe the efforts undertaken by Douglas to find this moment of release.

OR

Both the adolescent and the old man are victims of loneliness due to society's non-support and negligence in the lesson, 'On The Face Of It'. Draw the essence of their conversation.

12. Answer the following question in about 120-150 words each.

6 Marks

Describe the stranger, the protagonist of the novel, in the light of his various activities and changing mood throughout the novel. (The Invisible Man)

OR

Compare Nancy's and Dolly's systems of belief. (Silas Marner)

13. Answer the following question in about 120-150 words each.

6 Marks

Why did Mrs. Hall reserve her questions and sympathy for a better occasion? (The Invisible Man)

OR

Why did Silas wish to visit Lantern yard again? What did his visit accomplish? (Silas Marner)

वसंतकालीन अवकाश गृहकार्य कक्षा 12

- 1 अपने विद्यालय के प्राचार्य को विद्यालय में समुचित खेल-कूद की व्यवस्था हेतु प्रार्थना पत्र लिखिए ?
- 2 नगर के थानाध्यक्ष को नगर में हो रही चोरियों की तरफ ध्यान आकर्षित करते हुए शिकायती पत्र लिखिए ?
- 3 फीचर लिखिए – 1 युवा पीढ़ी में बढ़ता फैशन
2 डॉक्टर एपीजे अब्दुल कलाम
- 4 आलेख लिखिए– 1 समय ही धन है
2 आतंकवाद
- 5 निबंध लिखिए – 1 जल ही जीवन है
2 बेरोजगारी एक भयंकर समस्या

Kendriya Vidyalaya No.1 Ferozepur Cantt

Holiday Home Work

Class -XII

Subject-Maths

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class - XII

Subject-Physics

HOLIDAY'S HOMEWORK OF PHYSICS

CLASS-XII (2018-19)

1-Submit a project file after Autumn breaks:-

S.no	Topic	Roll no
1	Transistor	1,8,15
2	Ac generator	2,9,16
3	Cyclotron	3,10,17
4	Moving coil generator	4,11
5	Photoelectric effect	5,12
6	Astronomical telescope	6,13
7	Compound microscope	7,14,

2-Prepare the test for following important questions-

UNIT-2nd

Q. 1 What is the effect of heating of a conductor on the drift velocity of free electron?

Q2. What happens to the power dissipation of the value of electric current passing through a conductor resistance is doubled?

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Q2. What happens to the power dissipation of the value of electric current passing through a conductor resistance is doubled?

Q3. Write the mathematical relation for the resistivity of a material in terms of relaxation time, number density, mass and charge of charge carriers in it. Explain using the relation, why the resistivity of a metal increase and that of semiconductor decrease with the rise in temperature.

Q4 You are required to select carbon resistor of resistance $47\text{k}\Omega \pm 10\%$ from a large collector. What should be the sequence of colour bands used to code it?

Q5 Two wires one of manganin and the other of copper have equal length and equal resistance. Which one of these wires will be thicker and why? Give reason

Q6 A wire of uniform cross-section and length l has a resistance of 16Ω it cut into four equal parts. Each part is stretched uniformly to length l and all four stretched parts are connected in parallel. Calculate the total resistance of the combination. Assume that stretching of wire does not cause any change in the density of its material.

Q7 Prove that the current density of metallic conductor is directly proportional to the drift velocity of electron.

Or

Define the term "drift velocity" of the charge carriers in a conductor. Obtain the expression for the current density in terms of relaxation time.

Q.8 For three cells of emf E_1 , E_2 and E_3 with internal resistances r_1 , r_2 , r_3 respectively connected in parallel, obtain an expression for net internal resistance and effective current. What would be the maximum current possible if the emf of each cell is E and internal resistance is r each?

Q-9. In the meter bridge, the null point is found at a distance of 40 cm from A. If a resistance of $12\ \Omega$ is connected in parallel with S the null point occurs at 50 cm from A. determine the values of R and S.

Q-10 Two cells of emf 1.5V and 2V and internal resistance $1\ \Omega$ and $2\ \Omega$ respectively are connected in parallel to pass a current in the same direction through an external resistance of $5\ \Omega$.

(a) Draw the circuit diagram.

(b) Using kirchoff's, calculate the current through each branch of the circuit and potential difference across $5\ \Omega$ resistor.

Q-11 Three cells are connected in parallel, with their like poles connected together, with wires of negligible resistance. If the emf of the cells are 2V, 1V and 4 V and if their internal resistances are 4, 3 and 2 ohm respectively, find the current through each cell.

Q-12 Manish and Ranjan lived in an unauthorised colony. They found that most people of that colony stole power from transmission lines using hooks they had read in news paper about different fire accidents caused due to electric short circuits along with some of their friends and some representative of that area they visited house to house of that colony and made people aware of the risks involved in short circuiting. They also explained to the people the importance of paying electricity bills. They succeeded in changing the mind set of people.

(a) What according to you are the values being displayed by Manish and Ranjan.

(b) A household circuit has a fuse of 5A rating. Find the maximum number of bulbs of rating 60W-220V.

Q-13 (a) State the principle of potentiometer. How can it be used to :

(b) draw a circuit diagram. Compare e.m.f of two cells. How can sensitivity of potentiometer be increased

Write the two possible causes for one sided deflection in the potentiometer.

UNIT-3rd

Q.1 Define Magnetic field induction in terms of force experienced by a moving charge in magnetic field.

Q.2 A wire is carrying current from south to North direction. What is the direction of magnetic field at any point just below the wire?

Q.3 An alpha particle and a proton having same momentum enter a region of uniform magnetic field perpendicularly. Calculate the ratio of their radii of circular paths.

Q.4 Two long and parallel straight wires A and B carrying currents of 8.0 A and 5.0 A in the same direction are separated by a distance of 4.0 cm. Estimate the force on a 10 cm section of wire A.

Q.5 A square coil of side 10 cm consists of 20 turns and carries a current of 12 A. The coil is suspended vertically and the normal to the plane of the coil makes an angle of 30° with the direction of a uniform horizontal magnetic field of magnitude 0.80 T. What is the magnitude of torque experienced by the coil?

Q.6 A solenoid of length 50 cm having 100 turns carrying a current of 4.5 A find the magnetic field (i) in the Interior of solenoid (ii) in the exterior of solenoid

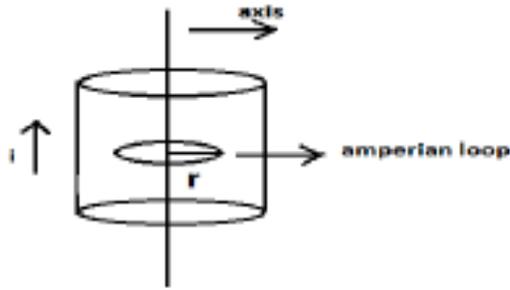
Q.7 Show that two straight parallel conductors carrying current in the same direction attract each other and hence define 1 Ampere .

Q.8 State BiotSavart Law. Use it to find magnetic field at the centre of current carrying circular and semicircular coil.

Q.9 Define Angle of Dip in relation to earth's magnetic field. The horizontal component of earth's magnetic field is 0.2 G and total magnetic field is 0.4 G.

Find the angle of Dip at that place.

Q.10 . State Ampere's circuital law. A wire is carrying current I which is uniformly distributed throughout its cross-sectional area. Using Ampere's circuital law find the value of magnetic field at any point inside and outside the conductor. Also the variation of magnetic field with distance from the wire



graphically.

Q.11 Derive the expression for magnetic dipole moment of revolving electron and hence define Bohr magneton. Q.12 In the Bohr model of hydrogen atom, an electron revolves around the nucleus in a circular orbit of radius 5.11×10^{-11} m at a frequency of 6.8×10^{15} Hz. What is the magnetic field at the centre of the orbit?

Q.13 Ms Neelam found that her son could not hear properly. She took her to ENT specialist. The specialist prescribed hearing aid for her son. Hearing aids consist of electromagnets in the loudspeakers used in the device.

(i) What two values does Ms Neelam exhibit towards her son?

Mention any two

(ii) What is an electromagnet? In what way its hysteresis curve is different from that used for permanent magnets?

Q.14(a) Explain with diagram the Principle and working of Moving coil galvanometer.

(b) What is the purpose of using Soft iron core and radial magnetic field in it?

(c) A galvanometer coil has a resistance of 12Ω and the meter shows full scale deflection for a current of 3 mA. How will you convert the meter into a voltmeter of range 0 to 18 V.

Q.13 (a) Show that a charge particle entering perpendicularly in a magnetic field moves along circular path and time period of circular path is independent of velocity of charge particle and radius of circular path.

(b) What is resonance condition in cyclotron?

(c) Alpha particles of mass 6.68×10^{-27} kg and charge 3.2×10^{-19} C are accelerated in a cyclotron in which a magnetic field of 1.25 T is applied perpendicular to the dees. How rapidly should the electric field between the dees be reversed? What are the velocity and kinetic energy of an alpha particle when it moves in a circular orbit of radius 25

UNIT-4th

1-The motion of copper plate is damped when it is allowed to oscillates between the two poles of magnet. What is the cause of this damping?

instantaneous value of emf is $e = 300 \sin 314t$. what is the rms value of current?

2-The

3-A capacitor of $100 \mu\text{F}$ and a coil of resistance 50 Ohms and inductance 0.5H are connected in series with a 110 V -50 Hz source. Calculate the reactance in the circuit.

4 Draw phasor diagram for an LCR Ckt. For the cases 1) $V_C > V_L$ (2) $V_L > V_C$.

5- What is the effect on the brightness of a bulb connected in series with an inductor (1) when DC is applied across the combination (2) when AC is applied across the combination.

6-Define Self inductance of a coil. Show that Magnetic energy required to build up the current I in a coil of self inductance $L = LI^2/2$.

7-An AC source of voltage $V = V_m \sin \omega t$ is connected, one by one to three circuit element X, Y and Z. It is observed that the current flowing in them

- (1) Is in the phase with applied voltage for element X.
- (2) Lags the applied voltage by a phase of $\pi/2$ for element Y.
- (3) Leads the applied voltage by a phase of $\pi/2$ for element Z.

Identify the three circuit elements. And Find the expression for the current flowing in the circuit when same ac source is connected across the combination of the elements X, Y and Z.

8-Prove that no power is dissipated across a pure inductor and capacitor.

9- A town situated 20 km away from a power plant generating power at 440 V, requires 6000 kW of electric power at 240 V. The resistance of the two wire line carrying power of 0.4Ω per km. The town gets power from the line through a 3000 – 220 V step down transformer at a substation in the town.

(1) Find the line power losses in the form of heat. (ii) How much power must the plant supply, assuming there is negligible power loss due to leakage?

10-What are Eddy currents? How are they produced? In what sense Eddy currents are undesirable in a transformer and how they can be minimized?

11- An a.c. generator consist of a coil of 50 turns and area 2.5 m^2 rotating at an angular speed of 60 rad s^{-1} in a uniform magnetic field $B = 0.30 \text{ T}$ between two fixed pole pieces. The resistance of the circuit including that of coil is 500Ω .

- a) What is the maximum current drawn from the generator?
- b) What is the flux through the coil when the current is zero? What is the flux when the current is maximum?
- c) Would the generator work if the coil were stationary and instead the pole pieces rotated together with the same speed as above?

12-Shivani was working on a project for science exhibition. She consider a capacitance of $2 \mu\text{F}$ having a capacity of operating under 1 KV potential. When she reached to shop, she found that the shopkeeper is having a capacitors of $1 \mu\text{F}$ of 400 V rating. Shivani calculated minimum number of capacitance of $1 \mu\text{F}$ each, so she could arrange to form a capacitor of $2 \mu\text{F}$.

Answer the following questions based on the above information. (i) What are the calculation done by Shivani? (ii) What do you think of Shivani?

13- Explain with the help of a labeled diagram the principle and working of an AC generator? Write the expression for the emf generated in the coil in terms of speed of rotation. Can the current produced by an AC generator be measured with Moving coil galvanometer?

14-Describe briefly with the help of a labeled diagram the working of step up transformer. (1) Write any two sources of energy losses in the transformer. (2) A step up transformer converts low voltage into high voltage. Does it not violate the principle of conservation of energy. Explain.

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Holiday Home Work

Class -XII

Subject-Chemistry

HOLIDAYS HOMEWORK(AUTMN BREAK) (2018-19) CLASS 12TH

1. Give reasons (a) why is sulphuric acid not used during the reaction of alcohols with KI.
(b) p- dichlorobenzene has higher melting point and solubility than those of ortho and meta isomers.
(c) alkyl halides give alcohols on treatment with aqueous KOH but alkenes with alcoholic KOH explain.
2. How will you bring about the following conversions.
(a) propene to propyne
(b) but-1-ene to but-2-ene
(c) 1-chlorobutane to n-octane
(d) benzene to biphenyl
(e) aniline to chlorobenzene
3. What happens when (a) bromobenzene is treated with Mg in the presence of dry ether
(b) methyl chloride is treated with KCN.
(c) ethyl chloride is treated with aq KOH
4. Give the uses of Freon 12, DDT and iodoform.
5. What is Saytzeff's rule. Explain with an example.
6. Write the mechanism of hydration of ethene to ethanol.
7. Write the mechanism of acid dehydration of ethanol to ethene.
8. Illustrate the following named reactions with examples 1. Finkelstein rxn 2. Sandmeyer's rxn 3. Kolbe's rxn 4. Reimer-Tiemann rxn 5. Williamson synthesis
9. Write the mechanism of preparation of 1-propoxypropane from propan-1-ol.
10. Write the mechanism of the reaction of HI with methoxy methane.
11. Carry out the following conversions 1> propene to propan-2-ol
2> benzyl chloride to benzyl alcohol.

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Holiday Home Work

Class -XII

Subject-Biology

Holidays homework (Autumn Break) Class XII **Medical**

Sub: Biology

(A) Very Short Answer type Questions

- Q1.Mention any two contrasting traits with respect to seeds studied by mendel.
- Q2. Name the type of cross that would help to find the genotype of a pea plant bearing violet flowers
- Q3.Why is RNA more reactive as compared to DNA ?
- Q4 What is the function of polymerase II ?
- Q5. What is a cistron ?
- Q6.State two postulates of oparin and Haldane theory
- Q7.Write the probable difference in eating habits of *Homo habilis* and *Homo erectus*
- Q8. List two types of immunity human body is born with.
- Q9. Name the category of disease rheumatoid arthritis.
- Q10. Suggest the breeding method most suitable for animals that are below average in milk productivity

(B) Short Answer type Questions

- Q1. Name the two different types of microbes naturally occurring in sewage water.Explain their role
- Q2.State the functions of Ori,ropandHindIII sites in vector pbr322
- Q3. What is GMO? List any five possible advantages
- Q4Mention two objectives of setting GEAC by our Govt.
- Q5.How do snails ,seeds,bears,zooplanktons,fugiand bacteria adapt to conditions unfavourable for their survival?

(C) Long Answer Questions

Q1 Distinguish

(i)Plasmid DNA and chromosomal DNA

(ii) RNA and DNA

(iii) Exonuclease and endonuclease

Q2. (a) Mention the selectable markers in the cloning vector pbr322?Mention the role the play

(b) Why is the coding sequence of an enzyme beta galactosidase a preferred selectable marker in comparison to the ones named above

Q3.Explain Gel electrophoresis

Q4.What are methanogens ? How do they help to generate biogas?

Q5.Discuss the sewage treatment plant highlighting the primary and secondary treatment

(D) Do all the back questions of Ch-11 and Ch-12

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Holiday Home Work

Class –XII
Computer

Subject-Science

Subject: Computer Science (083)

Time Allowed: 3hours

Note. (i) All questions are compulsory.

(ii) Programming Language: C++

Ques 1.

- a) Differentiate between an identifier and keywords. 2
- b) Name the header files, to which following inbuilt function belong to: 1
- i. log10()
 - ii. arc()
- c) Identify the errors in the following program code: 2

```
#include<iostream.h>
```

```
class int
```

```
{
```

```
int I,j;
```

```
public:
```

```
int(int a, int b)
```

```
{
```

```
I=a; j=b;
```

```
}
```

```
};
```

```
class class2
```

```
{
```

```
int I,j;
```

```
Public:
```

```
class2(int a, int b)
```

```
{
```

```
I=a; j=b;
```

```
}
```

```
};
```

```
int main( )
```

```
{
```

```
int x(10,20);
```

```
class2 y;
```

```
x=y;
```

```
}
```

- d) Give the output of the following program: 2

```

#include<iostream.h>
int global=10;
void func(int&x, int y)
{
x=x-y ;y=x*10 ;
cout<<x<<','<<y <<"\n";
}
void main()
{
int global=7 ;
func( ::global,global) ;
cout<<global<<','<<::global<<"\n";
func(global,::global) ;
cout<<global<<','<<::global<<"\n";
}

```

e) Find the output of the following program :

3

```

#include<iostream.h>
#include<string.h>
#include<ctype.h>
void Change(char Msg[], int Len)
{
for(int Count=0;Count<Len;Count++)
{
if(islower(Msg[Count]))
Msg[Count]=toupper(Msg[Count]);
else if(isupper(Msg[Count]))
Msg[Count]=tolower(Msg[Count]);
else if(isdigit(Msg[Count]))
Msg[Count]=Msg[Count]+1;
else Msg[Count]='*';
}
}
void main()
{
char Message[]="2011 World Cup Ahead";
int Size=strlen(Message);
Change(Message,Size);
cout<<Message<<endl;
for(int C=0,R=Size-1;C<=Size/2;C++,R--)
{
char Temp=Message[C];

Message[C]=Message[R];
Message[R]=Temp;
}
cout<<Message<<endl;
}

```

f) Study the following program and select the possible output from it:. Also justify your answer.

2

```

#include<iostream.h>

```

```

#include<stdlib.h>
constint Max=3;
void main( )
{
randomize( );
intDiv;
Div=1+random(Max);
for(int N=1;N<5;N++)
{
cout<<100%Div<<"#";
}
}
i)    0#0#0#0#
ii)   1#1#1#1#
iii)  2#2#2#2#
iv)   3#3#3#3#

```

Ques 2.

- a) What is Function Overloading? Give an example in C++ to illustrate the same. 2
- b) Answer the questions (i) and (ii) after going through the following program: 2

```

#include<iostream.h>
#include<string.h>
classAirIndia
{
charflno;
intNop;
public:
AirIndia()          //function1
{
strcpy(flno," ");
Nop=0;
}
AirIndia( chat *str,int n)          //function2
{

strcpy(flno,str);
Nop=n;
}
void input          //function3
{
cin>>flno;
cin>>Nop;
}
~AirIndia()        //function4
{
cout<<"counter closed"<<endl;
}
};

```

- (i) In Object Oriented Programming, which concept is illustrated by Function1 and Function2 together? Write the statement to call these functions.
- (ii) What is the scope of two data members of the class AirIndia? What does the scope of data

members depend upon?

c) Define a class cricket in C++ with the following description:

4

Private members:

- Target_score of type integer
- Overs_bowled of type integer
- Extra_time of type integer
- Penalty of type integer
- Cal_penalty() a member function to calculate penalty as follows: If extra_time<=10, penalty=1
If extra_time>10 but <=20 penalty=2, otherwise, penalty=5

Public members:

- A function Extradata () to allow user to enter values for target_score, over_bowled, Extra_time.
- A function DspData() to allow user to view the contents of all data members.

4

d) Consider the following and answer the questions given below:

```
class MNC
{
charCname[25];
protected:
charHoffice[25];
public:
MNC();
char Country[25];
voidEnterDate ();
voidDisplayData ();

};

classBranch:public MNC
{
long NOE;
charCtry[25];
protected:
void Association ();
public:
Branch ();
void Add ();
void Show ();
};

classOutlet: public Branch
{
char State[25];
public:
Outlet ();
void Enter ();
void Output();
};
```

- Which class's constructor will be called first at the time of declaration of an object of class Outlet?
- How many bytes an object belonging to class Outlet require?

- iii) Name the member function(s), which are accessed from the object(s) of class Outlet.
- iv) Name the data member(s), which are accessible from the object(s) of class Branch

Ques.3

- a) Write a function in C++ which accepts a 2D array of integers and its size as arguments and display the elements which lie on diagonals. 3
 [Assuming the 2D array to be a square matrix with odd dimension, i.e., 3x3, 5x5, etc..]
 Example, if the array contents is
 5 4 3
 6 7 8
 1 2 9
 Output through the function should be :
 Diagonal One : 5 7 9
 Diagonal Two: 3 7 1
- b) An array Arr[15][20] is stored in the memory along the row with each element occupying 4 bytes. Find out the Base Address and address of the element Arr[3][2], if the element [5][2] is stored at the address 1500. 4
- c) Give the necessary declaration of queue containing integer. Write a user defined function in C++ to delete an integer from the queue. The queue is to be implemented as a linked list 3.

- d) Write a function in C++ to print the sum of all the values which are either divisible by 2 or are divisible by 3 present in a two-dimensional array passed as the argument to the function. 2
- e) Evaluate the following postfix notation of expression: 2
 10 20 + 25 15 - * 30 /

Ques 4.

- a) Observe the program segment given below carefully and fill the blanks marked statement 1 and statement 2 2
 using seekg() and tellg() function for performing the required task. 1

```

#include<fstream.h>
class Employee
{
intEno;
char Ename[30];
public:
//Function to count the total number of records
intCountrec( );
};
int Employee:: Countrec( )
{
fstream File;
File.open("Emp.Dat",ios::binary||ios::in);
_____ // Statement 1
int Bytes = _____ // Statement 2
int count = Bytes/sizeof(item);
File.close( );
return count;
}

```
- b) Write a function in C++ to count the number of alphabets present in a textfile "Para.Txt". 2
- c) Write a function in C++ to add new objects at the bottom of a binary file "Student.Dat", assuming the binary file is containing the object of the following class 3

```

class STUD
{
intRno;
char Name[20];
public:
void Enter ()
{
cin>>Rno;
gets(Name);
}
void Display()
{
cout<<Rno<<Name<<endl;
}};

```

Ques5.

- a) What do you mean by Candidate Key and Foreign Key? 2
- b) Consider the following tables STORE and SUPPLIERS a. Write SQL commands for the statements (i) to (iv) and give outputs for SQL queries (v) to (viii).

6

Table: STORES

ItemNo	Item	Scode	Qty	Rate	LastBuy
2005	Sharpner Classic	23	60	8	31-Jun-09
2003	Ball Pen 0.25	22	50	25	01-Feb-10
2002	Gel Pen Premium	21	150	12	24-Feb-10
2006	Gel Pen Classic	21	250	20	11-Mar-09
2001	Eraser Small	22	220	6	19-Jan-09
2004	Eraser Big	22	110	8	02-Dec-09
2009	Ball Pen 0.5	21	180	18	03-Nov-09

Table: SUPPLIERS

Scode	Sname
21	Premium Stationary
23	Soft Plastics
22	Tetra Supply

- i) To display details of all the items in the Store table in ascending order of LastBuy.
- ii) To display Itemno and item name of those items from store table whose rate is more than 15 rupees.
- iii) To display the details of those items whose supplier code is 22 or Quantity in store is more than 110 from the table Store.
- iv) To display minimum rate of items for each Supplier individually as per Scode from the table Store.
- v) SELECT COUNT(DISTINCT Scode) FROM STORE;
- vi) SELECT Rate*Qty FROM STORE WHERE Itemno=2004;
- vii) SELECT Item,Sname FROM STORE S, SUPPLIER P WHERE S.Scode=P.Scode AND ItemNo=2006.
- viii) SELECT MAX>LastBuy)FROM STORE;

Ques6

- a) State and verify Associative Law. 2
- b) Write the equivalent expression for the following Logic Circuit: 1

c) Convert the following Boolean expression into its equivalent Canonical Product of Sum Form(POS) 1

$$A.B'.C+A'.B.C+A'.B.C'$$

d) Reduce the following Boolean Expression using K-Map: 4

$$F(P,Q,R,S)=\Sigma(0,3,5,6,7,11,12,15)$$

Ques. 7.

a) Name the two transmission media for networking. Also write one advantage for each. 2

b) Expand the following terms: 1

i) XML ii) GSM

c) Differentiate between Hackers and Crackers? 1

d) Indian Public School in Darjeeling is setting up the network between the different wings. There are 4 wings names as Senior(S), Junior(J), Admin(A) and Hostel(H). 4

Distance between various wings

Wing A to Wing S	100m
Wing A to Wing J	200m
Wing A to Wing H	400m
Wing S to Wing J	300m
Wing S to Wing H	100m
Wing J to Wing H	450m

Wing A	10
Wing S	200
Wing J	100
Wing H	50

- i) Suggest a suitable Topology for Networking the computer of all wings
 - ii) Name the wing where the server is to be installed. Justify your answer.
 - iii) Suggest the placement of Hub/Switch in the network.
 - iv) Mention an economic technology to provide internet accessibility to all wings.
- e) What do you mean by Cyber law? 1
- f) What do you mean by free software? 1

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Holiday Home Work

Class -XII

Subject-

ACCOUNTANCY

ACCOUNTANCY:-

1) ADMISSION OF PARTNER:

Example: - 3, 5, 9,10,15,16

2) Retire Partner:

Example: - 1-10

3) Dissolution of Partnership:

Example: - 1-10

4)Share Capital:

Practical. Problems3, 5, 9,14,16,20

5)Solution to Half Yearly Exam Paper

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Holiday Home Work

Class –XII

Subject-BUSINESS STUDIES

1) Management:

Meaning, Features, Importance.

2) Planning:

Meaning, Steps, Limitation.

3) Financial Management:

Meaning, Importance.

4) Marketing Management:

Meaning, Functions.

5) Solution to Half Yearly Exam Paper.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –XII

Subject-ECONOMICS

HOLIDAY HOMEWORK OF AUTUMN BREAK (ECONOMICS)

1. Why does an economic problem arise ? Explain.
2. Why does a PPC concave? Explain
3. Discuss the central problems of an economy.
4. Explain the relationship between total utility and marginal utility with the help of a schedule and diagram.
5. Explain the concept of an indifference curve. Use diagram. Also explain its properties.
6. Explain conditions of consumers equilibrium under indifference curve approach.
7. Explain consumer equilibrium in case of a single commodity with the help of a utility schedule.
8. Explain the law of diminishing marginal utility with the help of a utility schedule.
9. Give the meaning of price elasticity of demand ? State three factors affect price elasticity of demand.
10. Explain the effect of the change in the price of related goods on the demand for the given good.
11. Explain the causes behind law of demand.
12. Distinguish between an inferior good and a normal good. Explain the effect of change of income on each giving suitable examples.
13. Related numerical on elasticity of demand.
14. Explain the law of variable proportions with the help of total and marginal physical product curves.
15. Briefly discuss the relationship between AP and MP, TP and MP.
16. Discuss the relationship between MR and AR, TR and MR.
17. Difference between fixed cost and variable cost.
18. Discuss the relationship between AC and AVC, AC and MC, AVC and MC, TC and MC.
19. Related numerical on cost, revenue and production.
20. Define producer equilibrium. Explain the conditions of producer equilibrium in terms of MR-MC approach.
21. Define price elasticity of supply. Explain the various kinds of price elasticities of supply.
22. State 4 causes each for rightward shifting and leftward shifting of supply curve.
23. Explain the effects on supply curve due to changes in other factors.
24. Distinguish between extension in supply and increase in supply.

MACRO ECONOMICS

1. Explain the problem of double counting. How can it be avoided .
2. Discuss the concepts of real GDP and nominal GDP.
3. How far GDP can be taken as an indicator of economic welfare.
4. Explain the circular flow of income.
5. Discuss in brief the steps and precautions of Expenditure Method.
6. Define money. What is meant by money supply.
7. Explain the concept of money creation or credit creation done by a commercial bank with the help of an example.
8. Discuss the differences between central bank and commercial bank.
9. Explain the main functions of an central bank.
10. What is meant by propensity to consume? Discuss the two types of propensity to consume.
11. Discuss the working of investment multiplier with the help of a numerical example.
12. Explain the determination of equilibrium level of income by (i) Aggregate demand and aggregate supply approach (ii) Saving and investment approach.
13. Explain the concepts of excess demand and inflationary gap with the help of an diagram.
14. Discuss the concepts of deficient demand and deflationary gap with the help of a diagram.
15. How does change in money supply help in controlling the situation of excess demand/deficient demand in an economy?
16. Explain the role of bank rate and open market operations in controlling the situation of excess demand / deficient demand in an economy.
17. TAKE ALL NECESSARY SETPS FOR MAKING PROJECT WORK.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XII

Subject-Political Science

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XII

Subject-History

HOLIDAYS HOMEWORK 2018 HIS. Class XIIth
learn and write the following question answer

K.V NO 1 FEROZEPUR CANTT

Q1 MOHANJODARO was a well planned urban centre explain?

Q2 Discuss the causes for the end of civilization of Harappa?

Q3 Write about the Mauryan Empire?

Q4 What strategies were used for increase production during Mauryan Empire?

Q5 What do you mean by Divine king?

Q6 What do you mean by inscription?

Q7 What do you mean by Gahapati?

Q8 Discuss how archeologist reconstruct the past?

Q9 What were the teachings of Buddha?

Q10 Why did Rigveda compile? Who perform the rajasuya and ashvamedha ,Yajna?

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XII
Geography

Subject-

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XI
Geography

Subject-

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XI

Subject-HISTORY

HOLIDAYS HOMEWORK 2018 HIS. Class XIth

learn and write the following question answer

K.V NO 1 FEROZEPUR CANTT

Q1 Write about the roman administration?

Q2 What are the important feature of Mesopotamia?

**Q3 What do you mean by early humqns?
Expalin**

Q4 Locate the following place in the India map?

1 Delhi

2 Bihar

3 M.P

4 H.P

5 Amritsar

Q5 Who was Gnghes Khan? Write about his invasion and his policy to unite the manhole.

Submitted to :K.V NO 1 FEROZEPUR CANTT

Submitted by :Anu Sharma

Designation : PGT HISTORY

Best of luck in future

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XI

Subject-PHY-EDU

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –XI

Subject-BIOLOGY

UNIT1Chapter1.2.3

1MARKQUESTIONS

1. Who is known as the father of taxonomy and why?
2. Where was the first zoological museum started?
3. Name the two kingdoms of the living world proposed by Linnaeus?
4. Who introduced five kingdom classification?
5. What is phylogenetic classification?
6. Name the major groups of Monera?
7. What is syngamy?
8. Name the group of fungi commonly called sac fungi?
9. What is alternation of generation?
10. Which are the pigments responsible for red colour of red algae?
11. What is endosperm?
12. What is open type of circulatory system?
13. What is blubber?
14. What are flame cells?
15. Name two divisions of vertebrata?

2Marks

1. What do you understand by binomial nomenclature?
2. What is two kingdom classification? Give its drawback.
3. How are viroids different from virus?
4. Why do mosses thrive only in moist habitat?
5. What do you understand by double fertilization?
6. Explain the structure of prothallus of fern?
7. What are the unique features of sponges?

8. How important is the presence of air bladder in pisces?

3Marks

1. Botanical gardens are living herbaria. Comment.

2. What are the universal rules for nomenclature?
3. Binomial nomenclature is the most acceptable mode of naming organisms. Why?
4. In which group are the following found: Zygosporangium, Ascospore, Sporangium.
5. Give the importance of lichens.
6. What do the terms phycobiont and mycobiont signify?
7. What are the reasons for dominance of vascular plants on land?
8. Which features make reptiles successful on land?

5Marks

1. What do you understand by herbarium? How it is prepared?
2. What are the salient features of kingdom fungi?
3. Explain the different types of life cycle patterns exhibited by plants?
4. Give the important characters of Phylum Echinodermata?
5. What are characteristics of chordata?

UNIT II

1 MARK QUESTIONS

1. How do pneumatophore roots helping in gaseous exchange?
2. What is coleorrhizae?
3. Give the function of root hair?
4. Which meristem does produce growth in length?
5. From where does the lateral roots originate?
6. Where are RBC formed?
7. What is the function of heparin?

2marks

1. Differentiate between epigynous flower and perigynous flower?
2. Why are xylem and phloem called complex tissues?
3. What are the functions of epithelial tissues?
4. Differentiate between simple gland and compound gland?

3marks

1. Draw a diagram to show the different regions of a root?

2. Describe the corolla of Fabaceae?
3. What is meant by open and closed vascular bundles?
4. Give an example of plant part where each of the tissue present?
5. Draw a labeled diagram to show the structure of a neuron with myelin sheath?
6. What are the different types of muscles in man?

5marks

1. Describe a typical flower of solanaceae in technical terms?
2. How do the various leaf modifications help plants?
3. Bring out the salient features in the anatomy of a dicot stem?
4. Briefly describe the different types of muscular tissues?
5. How do root modify for various functions?

UNIT III

Cell-the Unit of Life

1. Differentiate between Gram positive and gram negative bacteria.(2)
2. What is the Cell theory?(2)
3. How are food vacuoles and contractile vacuoles different?(2)
4. What are the different types of chromosomes? Describe and draw its structure(2)
5. Describe the fluid mosaic model of Plasma membrane. What is its composition(3)
6. Describe the structure of a cell wall?(3)
7. Compare SER and RER with diagrams(3)
8. How are the functions of Endoplasmic reticulum, Golgi apparatus, lysosomes associated?(3)
9. With a labeled diagram describe the structure of mitochondria.(3)
10. What are the types of plastids? State their functions(3)
11. Draw a labeled diagram of a nucleus(3)
12. Draw a labeled diagram of a plant cell and say how it is different from animal cell
?(5)

Chapter
9

Biomolecules

1. How do we perform chemical analysis of a tissue to find the compounds present in a living organism?(2)
2. How do we find out the inorganic compounds in an organism(2)
3. Name four major elements in human body and their % by weight?(2)
4. Amino acids are substituted Methanes ?Explain(2)
5. What are the three major types of amino acids. How many amino acids occur in Proteins on the whole?(2)
6. Name the most abundant protein in the Biosphere? What is its function?(2)
7. What are 1)Triglycerides 2)saturatedfattyacids 3)Phospholipids?(3)
8. What are the Nitrogen bases in nucleotides? How do they form nucleosides?(3)
9. What are Primary and secondary metabolites? Give an example of each.(3)
10. How do we distinguish macromolecules and Microbiomolecules? How can they be separated from a cell?(3)
11. Why are lipids obtained in the acid insoluble fraction even though they are small molecular weight compounds? What is their approximate molecular weight?(3)
12. Name three Polymers(macromolecules) and the monomeric units of each.(3)
13. What are Inulin &Chitin composed of?(2)
14. Give differences between DNA and RNA(3)
15. Describe the different levels of protein structure.(5)
16. What are the types of bonds found in 1)Polysaccharides2)Nucleic acids 3)Polypeptides? How are they formed?(5)
17. Define metabolism. Explain the two pathways and two features of metabolic pathways.(5)
18. How do enzymes bring about higher rates of chemical conversions?(3)
19. Explain how different factors affect enzyme activity. What is the significance of V_{max} ?(5)
20. Describe the Watson &Crick model of DNA.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XI Subject-POL-SCIENCE

Kendriya Vidyalaya No.1 Ferozepur Cantt

Holiday Home Work

Class –XI Subject-CHEMISTRY

Autumn Break Home Work 2018-19

Class 11th sub chemistry

DO the following questions in your note books...

1> Define the following terms .

a>coordination no. b> crystal lattice c>unit cell

2> What is the significance of lattice point .

3> Niobium crystallises in body centered cubic structure .if density is 8.55 g cm^{-3} calculate atomic radius of niobium. Atomic mass is 93 u.

4> What is semi conductor describe the two main types of semi conductors.

5> Differentiate b/w a> crystalline and amorphous solids b> ionic and metallic solids

6> Distinguish b/w a>schottky and frenkel defects b> intrinsic and extrinsic semi conductors c>ferro magnetism and anti ferro magnetism.

7> What makes a glass different from quartz ?

8> Explain the following a> F centers b> forbidden zone

9> Give an example of compounds of groups 12 and 16 .

10> Analysis shows that nickel oxide has the formula $\text{Ni}_{0.98} \text{O}_{1.00}$ what fractions of nickel exist as Ni^{+2} and Ni^{+3} ions..

11> Do ten numericals related to pH and solubility product from equilibrium.

12> Do all the numericals given in the back exercise of thermodynamics in NCERT book.

13> Do all the numericals given in the back exercise of chapter 1.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XI Subject-PHYSICS

HOLIDAY'S HOMEWORK FOR CLASS XI(2018-19) PHYSICS

4 MARK QUESTIONS

1. Write two differences between accuracy and precision.
2. A man weighs 80 kg. He stands on a weighing scale in a lift which is moving upward with uniform acceleration of 5 m/s^2 . What would be the reading on the scale?
3. What is the rotational analogue of force? Give its SI units.
4. Why does the total energy of a satellite come out to be negative?
5. An athlete completes a circular track of radius 70 m in 20 s. What will be his average velocity?
6. Two bodies, one lighter and one heavier, have equal momenta. Which of them has greater K.E?
7. Why does a man, sitting in a bus, get an outward jerk when the bus takes a sudden turn?
8. Why are mudguards provided on cycle wheels?
9. Why does a cricket player retract his hands?
10. Explain the statement that friction is a self-adjusting force?
11. Why is the coefficient of rolling friction less than that of sliding friction?
12. Which of the following are dimensionally similar?
1. work, 2. kinetic energy, 3. potential energy, 4. heat, 5. Impulse, 6. Momentum
13. An electron and a proton have their masses in the ratio 1:1840. What will be the ratio of the kinetic energy if they have equal momenta?
14. What is the condition for the collision of two bodies to be one-dimensional?
15. A sphere and a shell of same mass have the same moment of inertia about their diameters. What is the ratio of their diameters?

2 MARKS QUESTIONS

16. Write an expression for the maximum error when the final result is the product of two quantities. The length and the breadth of a rectangle are (6 ± 0.2) and (3 ± 0.1) respectively. Calculate the maximum error in the area of the rectangle.
17. A particle moves along a straight line OX. At time t the distance x of the particle from origin O is given by $X = (40 + 12t - t^3)$. How long will the particle move before coming to rest?
18. Show that Newton's second law of motion is a real law.
19. On a certain day rain is falling vertically with a speed of 35 m/s. A wind started blowing after some time with a speed of 12 m/s in the east to west direction. In which direction should a boy waiting at a bus stop hold his umbrella. Also find the magnitude of the relative velocity.
19. State and derive an expression for work and energy theorem for variable force.
20. Three masses 3 kg, 4 kg and 5 kg are located at the corners of an equilateral triangle of side 1 m. Locate the centre of the system.
21. State the perpendicular axis theorem. What is the moment of inertia of a ring of mass m and radius ' r ' about an axis passing through its centre and perpendicular to its plane? Also write the formula for the moment of inertia about the axis along its diameter.
22. The radii of two planets are R and $2R$ respectively and their densities ρ and $\rho/2$ respectively. What is the ratio of acceleration due to gravity at their surfaces?

3 marks question

23. Consider a simple pendulum, having a bob attached to a string that oscillates under the action of the force of gravity. Suppose that the period of oscillation of the simple pendulum depends on its length (l), mass of the bob (m) and acceleration due to gravity (g). Derive the expression for its time period using the method of dimensions.
24. Define centripetal acceleration. Derive an expression for centripetal acceleration and show its direction.

25. a particle starts from the origin at $t=0$ with velocity of $5.0\mathbf{j}\text{m/s}$ and moves in x - y plane with a constant acceleration of $(2.0\mathbf{i}+1.0\mathbf{j})\text{m/s}^2$. Calculate (I) the time after which the x coordinate of the particle is 4m . (II) the y coordinate of the particle at that time (III) the speed of particle at that time.
26. (I) using v - t graph for uniformly accelerated motion of a particle, prove that distance travelled by a particle in n th second is given by $S_n = u + \frac{a}{2}(2n-1)$.
 (II) a body moving with uniform acceleration. describe 20m in 2sec and 30m in 4sec of its motion. Calculate the distance travelled by the body in 6sec .
27. define escape velocity. obtain an expression for the escape velocity of a body from the surface of the earth.
28. out of aphelion and perihelion, where is the speed of the earth more and why? assuming the earth to be sphere of uniform mass density, how much would a body weigh half way down the centre of earth if it weighs 250N on the surface?
29. A body of mass 30kg stands on a weighing machine lying on the floor of a lift. What will be the weight of the body when
 (I) lift moves upward with an acceleration $= 2.2\text{m/s}^2$
 (II) lift moves downward with an acceleration $= 2.2\text{m/s}^2$
 (III) lift falls freely. given $g = 9.8\text{m/s}^2$.
30. derive law of conservation of linear momentum using Newton's third law of motion.
31. Define impulse. Write its SI units. Show that impulse is equal to the change in momentum of body.
32. Define the term angular momentum. find its expression.

5 MARKS QUESTIONS

33. define angle of friction and angle of repose also define banking of curved road. determine the angle of banking so as to minimise the wear and tear of tyre of cars negotiating banking of roads.
34. define elastic and inelastic collision. show that in case of one dim elastic collision of two bodies the relative velocity of separation after the collision is equal to the relative velocity before the collision.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –XI Subject-ECONOMICS

HOLIDAY HOMEWORK OF AUTUMN BREAK (ECONOMICS)

1. Why does an economic problem arise ? Explain.
2. Why does a PPC concave? Explain
3. Discuss the central problems of an economy.
4. Explain the relationship between total utility and marginal utility with the help of a schedule and diagram.
5. Explain the concept of an indifference curve. Use diagram. Also explain its properties.
6. Explain conditions of consumers equilibrium under indifference curve approach.
7. Explain consumer equilibrium in case of a single commodity with the help of a utility schedule.
8. Explain the law of diminishing marginal utility with the help of a utility schedule.
9. Give the meaning of price elasticity of demand ? State three factors affect price elasticity of demand.
10. Explain the effect of the change in the price of related goods on the demand for the given good.
11. Explain the causes behind law of demand.
12. Distinguish between an inferior good and a normal good. Explain the effect of change of income on each giving suitable examples.
13. Related numerical on elasticity of demand.
14. Explain the law of variable proportions with the help of total and marginal physical product curves.
15. Briefly discuss the relationship between AP and MP, TP and MP.
16. Discuss the relationship between MR and AR, TR and MR.
17. Difference between fixed cost and variable cost.
18. Discuss the relationship between AC and AVC, AC and MC, AVC and MC, TC and MC.
19. Related numerical on cost, revenue and production.
20. Define producer equilibrium. Explain the conditions of producer equilibrium in terms of MR- MC approach.
21. Define price elasticity of supply. Explain the various kinds of price elasticities of supply.
22. State 4 causes each for rightward shifting and leftward shifting of supply curve.
23. Explain the effects on supply curve due to changes in other factors.
24. Distinguish between extension in supply and increase in supply.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XI Subject-MATH

Holiday Home Work

Class XI

Subject: Mathematics

- Write the set $\left\{\frac{1}{2}, \frac{2}{5}, \frac{3}{10}, \frac{4}{17}, \frac{5}{26}, \frac{6}{37}, \frac{7}{50}, \frac{8}{65}\right\}$ in set Builder form.
- If $A \times B = \{(a, x), (a, y), (b, x), (b, y)\}$. Find A and B.
- Find the value of $\tan \frac{19}{3}$.
- Find the value of $i^9 + i^{19}$.
- If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$; $A = \{2, 4, 6, 8\}$ and $B = \{2, 3, 5, 7\}$. Verify $(A \cup B) = A' \cap B'$.
- Let $f = \{(1, 1), (2, 3), (0, -1), (-1, -3)\}$ be a function from z to z defined by $f(x) = ax + b$ for some integers a and b . Determine a and b .
- Write down domain and range of signum function.
- Prove that: $\frac{\cos 7x + \cos 5x}{\sin 7x - \sin 5x} = \cot x$
- From a committee of 8 persons, in how many ways can we choose a chairman and vice chairman assuming one person cannot hold more than one position.
- Find the multiplicative inverse of $4 + 3i$ in standard form.
- Solve the following inequality: $|3x - 2| \leq \frac{1}{2}$
- Find 'a' if the co-efficient of x^2 and x^3 in the expansion of $(1 + ax)^9$ are equal.
- For any sets A and B. Prove that $P(A \cup B) = P(A) \cap P(B)$.
- Let $A = \{1, 2, 3, \dots, 14\}$. Define a relation from A to A by $R = \{(x, y) : 3x - y = 0, x, y \in A\}$. Write the relation in roaster form, find its domain, co-domain and range.
- Solve $2 \cos^2 x + 3 \sin x = 0$.
- Prove that $2 \cos \frac{\pi}{13} \cos \frac{9\pi}{13} + \cos \frac{3\pi}{13} \cos \frac{5\pi}{13} = 0$
- Find the domain and range of the function $\sqrt{9 - x^2}$.
- Using principle of mathematical induction. Prove that $\frac{1}{1.4} + \frac{1}{4.7} + \frac{1}{7.10} \dots + \frac{1}{(3n-2)(3n+1)} = \frac{n}{3n+1}$.
- Convert the complex number $z = \frac{i-1}{\cos \frac{\pi}{3} + i \sin \frac{\pi}{3}}$ into polar form.
- If $(x + iy)^3 = u + iv$ then show that $\frac{u}{x} + \frac{v}{y} = 4(x^2 - y^2)$
- (i) Solve the system of inequalities: $3x - 7 < 5 + x$, $11 - 5x \leq 1$ and represent the solution on number line.
(ii) How many litres of water will have to be added to 1125 litres of 45% solution of Acid so that the resulting mixture will contain more than 25% but less than 30% Acid content?
- How many words with or without meaning each of 2 vowels and 3 consonants can be formed from the letters of the word DAUGHTER?
- Find the term independent of x in the expansion of $\left(\frac{3}{2} x^2 - \frac{1}{3x}\right)^6$.

24. In a group of 50 people, 30 like to play cricket, 25 like to play football, 32 like to play hockey. Assume that each one likes to play at least one of the three games. If 15 people like to play both cricket as well as football, 11 like to play football as well as hockey and 18 likes to play cricket as well as hockey. Then:

- (1) How many like to play all the three games?
- (2) How many like to play only football?
- (3) How many like to play only hockey?

25. (i) Prove that $\cos^2 x + \cos^2 \left(x + \frac{\pi}{3}\right) + \cos^2 \left(x - \frac{\pi}{3}\right) = \frac{3}{2}$

(ii) Prove that $\cos 20^\circ \cos 40^\circ \cos 80^\circ = \frac{1}{8}$.

26. Prove the following using principle of Mathematical Induction: $3^{2n+2} - 8n - 9$ is divisible by 8.

27. Solve the following system of inequalities graphically: $x - 2y \leq 3$, $3x + 4y \geq 12$, $x \geq 0$, $y \geq 1$

28. Find the number of arrangements of the letters of the word INDEPENDENCE. In how many of these arrangements:

- (i) Do the word start with P?
- (ii) Do the vowels always occur together?
- (iii) Do the vowels never occur together?
- (iv) Do the words begin with I and end with P?

29. Find a, b, and n in the expansion of $(a + b)^n$ if the first three terms of the expansion are 729, 7290, 30275 respectively.

30. The co-efficient of three consecutive terms in the expansion of $(1 + a)^n$ are in the rates 1:7:42. Find n.

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class –XI Subject-BUSINESS STUDY

BUSINESS STUDIES:-

1) Business Services:

Banking- Meaning, Function, Types.

2) Joint Stock Company:

Meaning, Demerits, Difference Between Private and Public Company.

3) Business Risk:

Meaning, Causes, Types.

4) Solution to Half Yearly Exam Paper.

Kendriya Vidyalaya No.1 Ferozepur Cantt

Holiday Home Work

Class -XI Subject-HINDI

वसंतकालीन अवकाश गृहकार्य कक्षा 11

1 अपने विद्यालय के प्राचार्य को विद्यालय में समुचित खेल-कूद की व्यवस्था हेतु प्रार्थना पत्र लिखिए ?

2 नगर के थानाध्यक्ष को नगर में हो रही चोरियों की तरफ ध्यान आकर्षित करते हुए शिकायती पत्र लिखिए ?

3 फीचर लिखिए – 1 युवा पीढ़ी में बढ़ता फैशन

2 डॉक्टर एपीजे अब्दुल कलाम

4 आलेख लिखिए– 1 समय ही धन है

2 आतंकवाद

5 निबंध लिखिए – 1 जल ही जीवन है

2 बेरोजगारी एक भयंकर समस्या

Kendriya Vidyalaya No.1 Ferozepur Cantt

Holiday Home Work

Class -XI Subject-ACCOUNTANCY

ACCOUNTS:

- | | | | | |
|---------------|---------------|---------|------------------|------------|
| 1 JOURNAL: | ILLUSTRATIONS | 1, 2, 5 | PRACTIAL PROBLEM | 5, 7, 9 |
| 2 Ledger: | ILLUSTRATIONS | 2 3 4 | PRACTIAL PROBLEM | 9, 10, 11 |
| 3 Cash Book: | ILLUSTRATIONS | 9, 10 | PRACTIAL PROBLEM | 15, 16, 18 |
| 4 Cash book2: | ILLUSTRATIONS | 5, 6 | PRACTIAL PROBLEM | 13,7,10 |
| 5 BRS: | ILLUSTRATIONS | 9, 2 | PRACTIAL PROBLEM | 5, 11, 18 |
- 6 What Is Difference between bill of exchange And Promissory Note?
7 Explain Limitation Financial Accounting.
8 Solution to Half Yearly Exam Paper.

Kendriya Vidyalaya No.1 Ferozepur Cantt

Holiday Home Work

Class –XI Subject-ENGLISH

SUBJECT ENGLISH HOLIDAY HOMEWORK CLASS XI

1)It is hardly 51 years that this potentially rich and great nation of ours came out of the centuries of slavery. But; unfortunately, it is again fast heading towards another crisis which may turn out to be even worse than the slavery we have suffered for so long. When India gained independence in 1947, it had a population of about 35 crore and today it has that many people living below our “naked” poverty line: naked because our poverty line, as per its definition, does not provide for even a thread of clothing—not even for women.

The demographic situation is dangerously grim today we are over 90 crore and are going to become 140 crore by the year 2015. The Registrar General of India has only recently stated that the population figure will stand at 101 crore by 2000 AD, and grow up to 216 crore by 2050 if the average of three children per woman stood at the same level in the coming years. Today, every Indian is in an international debt of US \$100 (about Rs.4200). And the average income of an Indian is hardly about Rs. 20 per day which is less than the minimum daily wage of an unskilled labourer as fixed by the government itself. We have become a nation of shameless billion beggars.

There are two primary factors that help promote voluntary family planning: 1. Low infant mortality with high life expectancy, and 2. Economic problems. The most necessary condition to limit number of children is indeed economic factor. But this, too, has upper and lower bounds within which alone it is effective. Both very rich and very poor do not feel constrained to limit their family size, though for different reasons. The former can easily afford any number of children without any economic inconvenience, and it hardly matters to the latter how many children they have as there is just no scope for any further fall in their sub-human living. But for the rest, economic constraints are the most powerful motivator for a small family. But even this powerful motivator is not absolute. It is influenced by factors such as desire for a male child, religious fundamentalism, and caste and communal differences especially in a diverse and traditional society like ours. Besides, there are situations where a couple is constrained to produce more children just for survival. Apart from these two factors, namely, low infant mortality and economic constraints, all other factors such as literacy, education, late marriage, incentives, etc play, if at all, a secondary role in population control.

A) On the basis of your reading of the above passage, make notes on it, using recognisable abbreviations wherever necessary. Use a format You consider suitable.

B) Write a summary of the above passage in about 80 words.

- 2) On behalf of BRILLIANT TUTORIALS Chennai, draft an advertisement to be published in a newspaper to attract young students of classes IX, X, XI and XII who intend to become doctors. Offer free prospectus to the interested students.
 - 3) Water is precious and each one of us must stop its wastage. Prepare a poster in not more than 50 words, urging people to employ various methods of rainwater harvesting in their colonies.
 - 4) The Pre-Board English examination of DAV Public school, Bhubaneswar is to be held on the same day as is the All India Entrance for the Indian School of Languages. You are Subhasree Padhy, the prefect of class XI, writes a letter to the Principal of her School, requesting him/her to change the date of the school English Exam.
 - 5) You came across an advertisement for the post of receptionist in Hyderabad Public School and you find yourself eligible for the post. As Anusaya apply for the post with a complete resume.
 - 6) You are Deepak/Deepika. You attended a seminar arranged for class XII students by Hyderabad Public School, Hyderabad on the topic, "How to face examination with confidence". Write a report in 150-200 words for your school magazine. Invent the necessary details.
 - 7) In an era of advanced information technology you find that man became slaves to machines. In this context write a speech in not more than 150-200 words on the topic "Modern gadgets have made us slaves to machines" to be delivered in your school assembly.
 - 8) Why does Nani Palkhivala call the earth "The Ailing Planet"? How can the ailing planet survive?
 - 9) What should education be all about, according to Albert?
 - 10) What startling fact was revealed about Tut in 1968?
 - 11) Why did the narrator not care to see the silver cutlery that had once belonged to them?
 - 12) "The sense of togetherness and strong determination will always succeed". Comment with respect to the lesson "We are not afraid to die... If we can all be together".
 - 13) When did my childhood go?
Was it the time I realised that adults were not
All they seemed to be,
They talked of love and preached of love,
But did not act so lovingly,
Was that the day!
- i) What does the poet experience about the adults?
 - ii) Do you think the poet feels so bad at the loss of his childhood?
 - iv) Explain: "But did not act so lovingly".

v)

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class – XI Subject-COMPUTER SCIENCE

Subject: Computer Science (083)

All questions are compulsory.

Q. 1.

a) A new age computer technology i.e., internet based and utilizes web based services

whenever and wherever the users need it. b) Which is the fastest memory?

c) What is the difference between compiler and interpreter? d) Define following:

i. Operating System ii. Parallel Computing e) Write difference between SRAM and DRAM. f) Prove De-morgans law using truth table.

Q. 2.

a) Convert following

1) $(10110)_2 = ()_8$

2) $(456)_8 = ()_{16}$

b) Write full form of following

1) ASCII

2) ISCII

c) Define proprietary software and write any two example .

d) What is data? What is output of data processing system?

e) What is bit? How bit, byte and nibble are related with each other?

f) What is application software? Write any two example.

Q. 3.

a) What is the difference between a keyword and an identifier?

b) From the following, find out the valid identifier:

`_abc_d`, `break`, `1rak`, `doc14`, `a2bc5`, `_punc`, `ray.dat`

c) What is None literal in python?

d) What will be the output produced by following code fragment?

```
x, y= 20, 60
```

```
y, x, y=x, y-10, x+10
```

```
print (x, y)
```

Q. 4.

a) What are data types? What are python s built in core data types?

b) What do you understand by term immutable ? Explain with a suitable example.

c) What will be the output of the following code and why?

```
a,b,c=0.1
```

```
d=0.3
```

```
e=a+b+c-d
```

```
f=a+b+c==d
```

```
print(e)
```

```
print(f)
```

d) What will be the output of following Python code?

```
a=12
```

```
b=7.4
```

```
c=1
```

```
a-=b
```

```
print (a, b)
```

```
a*=2+c
```

```
print(a)
```

```
b+=a*c
print( b )
```

e) Write a program to determine if the number is even or odd.

Q. 5.

a) What is the output of the following lines of code?

```
if int( zero ) == 0 :
    Print( zero )
elif str(0) == zero :
    Print (0)
elif str(0) == 0 :
    Print (str(0))
else:
    Print( none of the above )
```

b) What is the output produced by the following code?

```
x=1
if x>3:
    if x>4:
        printf( A ,end= )
    else:
        print( B ,end= )
elif x<2:
    if (x!=0):
        print( C , end= )
print( D )
Fibonacci series are:
0 5 8 .....
```

d) Write programs using nested loops to produce the following patterns:

```
A
A B
A B C
A B C D
A B C D E
A B C D E F
```

Q. 6.

a) Write a program to find the second largest number of a list of numbers.

b) Identify the errors in the following code:

```
i. L1 = [1,2,3,5] ii. L1 = [1,3,5,8]
   An = L1.remove(7) An = L1.remove(8)
       print(An + 2)
```

c) Find out the output of following code segment:

```
numlist = [2,5,2,3,6,6,9]
pos=0
odds=evens=0
length=len(numlist)
while pos<length:
    if numlist[pos]%2==0:
        evens=evens+1
    else:
        odds=odds+1
    pos=pos+1
    if odds>evens:
        print( Balanced oddity )
```

d) Write a program that reads a string and checks whether it is a palindrome string or not.

e) Find the errors in the following code—

```
s= PURA VIDA
s1=s [ : 5]
s2=s [ 5 :]
s3=s1 * s2
s4=s2 + 3
s5=s1+3
```

Q. 7.

a) What do you mean by Syntax errors and Semantics errors? Answer with example.

b) How are tuples different from list when both are sequences?

c) Consider the following code and then answer the question that follow—

```
myDict={ a :27, b :43, c :25,      d :30}
valA=
for I in myDict:
if I >valA
valA=i
valB= myDict[i]
print (valA)      #Line1
print (valB)      #Line2
print (30 in myDict)      #Line3
myLst= (myDict.items())
myLst.sort()
print (myLst[-1])      #Line4
```

Write the output of the Line 1,2 ,3 and 4

d) What type of objects can be used as keys in dictionaries? Also explain why?

Kendriya Vidyalaya No.1 Ferozpur Cantt

Holiday Home Work

Class -XIISubject-PHY-EDU

Kendriya Vidyalaya No.1 Ferozepur Cantt

Holiday Home Work

Class -XIISubject-IP

All questions are compulsory.

General Instructions –

- iii. This question paper contains three sections - A, B, and C
- iv. All the questions are compulsory

Section A

Q1.a) What is the difference between selection and repetition statement in Java? 2

b) Find the output of the following code segment 2

```
int n1,n2,counter;
counter =1;
n1 =0;
n2 =1;
while(counter<=4)
{
    JTextArea1.append(“” + n1);
    JTextArea1.append(“ “+n2);
    n1= n1+n2;
    n2 = n2+n1;
    counter counter+2;
}
```

c) What will be the corresponding outputs of the following code segment if the possible inputs in the jTextField1 are: 1

i)10 (ii) 40

```
String str = jTextField1.getText();
int Number = Integer.parseInt(str);
switch (Number)
{
    case 10:jTextField1.setText("Ten Thousand");break;
    case 20:jTextField1.setText ("Twenty Thousand");
    case 30:jTextField1.setText ("Thirty Thousand"); break;
    case 40:jTextField1.setText ("Forty Thousand");
    default:jTextField1.setText ("Not enough!!!");
}
```

d)How many times will the following loop get executed? 1

```
x = 5;
y = 36;
while ( x <= y)
{
    x+=6;
}
```

e)MULTIPLE CHOICE QUESTIONS

1+1=2

1. Which of the following is not a feature of Object Oriented Programming?

- a. Inheritance
- b. Data Overloading
- c. Polymorphism
- d. Objects

2.The align attribute of <Table> tag refers to _____ placement of the table in relation to the window screen.

- (a) Vertical
- (b) horizontal
- (c) Both a and b
- (d) None of these

f) What is wrong with following coding ?

<UL type="i" start=3>

1

g) Differentiate between <p> and
 tag

1

h)What will be the value of str2 and L

String a ="DEPARTMENT"

String str2= a.substring(0, 6);

int L= a.indexOf('T');

2

i) Write the following code segment using **for...** loop without effecting the output of the code:

2

```
1.int Num=6;
  int Temp=Num;
  while (Num>=1)
  { Temp=Temp-1;
    if (Temp% 2== 0)
      System.out.println(" is Even");
    else
      System.out.println(" is Odd");
    Num=Num-2;
  }
```

2) Rewrite the following code using switch

2

```
if(ch=='E')
  Eastern++;
if(ch=='W')
  Western++;
if(ch=='N')
  Northern++;
if(ch=='S')
  Southern++;
else
  Unknown++;
```

j). Consider the following code and answer the questions that follow:

½ +½+1=2

```
String query="SELECT NAME,EMAIL FROM CONTACT"
ResultSetrs=stmt.executeQuery(query);
while (rs.next()) //Statement 1
{String Name = rs.getString("Name");
String Email = rs.getString("Email");
jTextField2.setText(Name);
jTextField3.setText(Email);
```

}

Name the table from where the data is being retrieved

How many objects of the native String class have been declared in the code?

Name the objects.

Explain the function of the statement labeled as Statement 1.

- Mr. Basu of MEGA MALL decided to computerize the billing department. The accounts manager at MEGA MALL is creating the billing software to generate the bill during the sale period. A new bill is generated for each item sold. The discount is given based on the item category. An additional discount of 5% is given to the MEGA MALL card holders. The following is data entry screen used at the MEGA MALL

controls for the above is as follows:

Object Type	Object Name	Description
JFrame	MEGA MALL	The main form
JPanel	Category	To display different items category
JRadioButtons	MenRB	To select Men's Category
	WomenRB	To select Women's Category
	KidRB	To select Kid's Category
JButtons	CalJB	To calculate discount and final price
	ClearJB	To clear all JTextFields
	ExitJB	To exit from the application
	TestJB	To test data validity
JTextFields	txtItem	To enter item name
	txtPrice	To enter item price
	txtDiscount	To display discount
	txtFP	To final price
JCheckBox	CHCheck	To check card holders

(a) Write the code for the ClearJB Radio button to clear all the JTextFields. 2

□ Write the code for the TestJB button to ensure that the user does not enter a negative or a zero value in txtItemJTextField. If a negative or a zero value is entered that txtItem should be made blank and a warning message should be displayed through a JOptionPane. 3

v) Write the code for the CalJB button to display the discount and final price in the txtDiscount and txtFPJTextFields respectively. Note that final price is calculated as (price – discount) and the discount is calculated based on the category and price according to the following table. Also remember to give an additional 5% discount for membership card holders i.e. if the CHCheckJCheckBox is checked. 4

Category	Price	Discount
Men's	<10000	30%
	>=10000	50%
Women's	<8000	40%
	>=8000	50%
Kid's	<5000	20%
	>=5000	30%

l) An electronic shop has announced the following seasonal discounts on the purchase of certain items 5

Purchase Amount In Rs	Discount on TV	Discount on Music System
0-25000	5%	10%
25001-50000	10%	20%
More than 50000	15%	30%

Develop an application based on the above criteria, to input amount of purchase and the type of purchase (TV or Music System using JRadioButton) by a customer. Compute and print the net amount to be paid by a customer along with his name accepted in a text field.

[Hint: Discount = (Discount rate / 100) * Amount of purchase
Net amount = amount of purchase – discount).]

2.. a) Find the output of the following code :

2

```
int x=1;
int t=16 ;
```

```
int c=4 ;
while(c>=1)
{
    x= c*t ;
    jTextArea1.append("\n x:" +x) ;
    t =t-4 ;
    c - ;
}
```

- b) List different selection modes of a list. 3
- c) What is a button group? Which control is generally used with a buttongroup. 2
- d) Assume a class **ElectronicToys** derived from a base class **Toys** . Both classes contain a member method **fprice()** that take no arguments . Write the definition for a member function of **ElectronicToys** that calls both the **fprice()**s. 1
- e) Write a program to implement a **product** class . Have a **getdata ()** method as member of the class . This method reads productname,numberofproduct(NOP), price from user. Another method **disp_cal()** calculates total price .This method also display total price on the screen . Invoke both method from **calculate** button. (Assume appropriate controls for performing above operations) 5

Section B

- d) a)There is a column C1 in a table T1. The following two statements:
SELECT COUNT(*) FROM T1; and SELECT COUNT(C1) from T1;
are giving different outputs. What may be the possible reason? 2
- b)What is the purpose of GROUP BY clause? 1
- c) What is the difference between HAVING and WHERE clauses? Explain with the help of an example. 2
- d) In a database there is a table Cabinet. The data entry operator is not able to put duplicate values in a column of Cabinet? What may be the possible reason(s)? 1

2.

ITEM

I_Co	Name	Category	Rate
1001	Masala Dosa	South Indian	60

1002	VadaSambhar	South Indian	40
1003	IdliSambhar	South Indian	40
2001	Chow Mein	Chinese	80

2002	Dimsum	Chinese	60
2003	Soup	Chinese	50
3001	Pizza	Italian	240
3002	Pasta	Italian	125

BILL

BillNo	Date	I_Code	qty
1	2010-04-01	1002	2
1	2010-04-01	3001	1
2	2010-04-01	1001	3
2	2010-04-01	1002	1
2	2010-04-01	2003	2
3	2010-04-02	2002	1
4	2010-04-02	2002	4
4	2010-04-02	2003	2
5	2010-04-03	2003	2
5	2010-04-03	3001	1
5	2010-04-03	3002	3

Based on above two tables write SQL statements for the following queries:

- i. Display the average rate of a South Indian item. 1
- ii. Display the number of items in each category. 1
- iii. Display the details of bill records along with Name of each corresponding item 1
- iv) List all items sorted by rate in descending order. 1

c) Let us consider the structure of two tables:

TABLE : TECAHER

Column Name	Data Type	Size	Constraint
TNO	VARCHAR	4	PRIMARY KEY NOT NULL
TNAME	CHAR	20	
TADDRESS	CHAR	10	
SALARY	NUMBER	7,2	
DEPT_NO	NUMBER	2	NOT NULL
DOJ	DATE		NOT NULL

TABLE : DEPARTMENT

Column Name	Data Type	Size	Constraint
DEPT_NO	NUMBER	2	NOT NULL
DEPTNAME	VarChar	10	NOT NULL
HOD	Varchar	20	

- (a).Write a SQL – command to create a Teacher and Department table including its constraints. 1
- (b)In DEPARTMENT table add foreign key in the reference of TEACHER table on the field DEPT_NO. 1
- (c)Write a SQL – command to add a column TPHONE_NO data type is Number and size is 10 from TEACHER table. 1
- (d)To redefine a column TADDRESS change the data type varchar and length is 30 1

4.a)Write the output of the following SQL queries . 2

- i) SELECT TRUNCATE (15.78969,3)
- ii)SELECT ROUND(1234.789) ;
- iii)SELECT ROUND(1234.789,-1);

iv)

Table :ITEM

price
90
190
NULL
100

Select sum(price) from ITEM

b)

Store					
ItemNo	Item	Scod e	Qty	Rate	LastBuy
2002	Eraser Small	22	220	6	11-Mar-09
2003	Ball Pen 0.25	22	50	0	01-Feb-10
2005	Sharpner Classic	23	60	8	19-Jun-98

Supplier

Score	Sname
21	Premium
22	Tetra Supply
23	Soft Plastics

Anuradha wants to join Store and Supplier table . She wants to issue SQL command for Equi -Join

and Natural Join but forgets all join command .

Help Anuradha for giving SQL Command for Equi join and Natural join and explain her the difference. 3

c) Identify Constraints and other details . 2

Create table Consignee(

cneeId integer(11) not null primary key ,

cneeNamevarchar(20),

cnorid integer(11) ,

Constraint fk1 foreign key (cnorid) References Consignor (cnorid));

Section C

1.a Define E-Learning and name some major e-learning sites. 2

b Choose appropriate Controls for following types of input . 1

i) one out of many choices

ii) typed text which should remain hidden .

c. Define Front End. 1.