



**ATMIYA VIDYAPEETH, GANDHIDHAM**  
**ACADEMIC SESSION 2019-20**  
**SUMMER VACATION ASSIGNMENT**

**Subject: - ENGLISH**  
**Std. X**

**Max. Marks - 80**

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**SECTION A- READING**

**Q1. Read the following passage carefully:**

**(12)**

DOES IT RIGHT You hope to do several things everyday? At the end of each day, most of them are not done. You try using a “to-do list” but discover in a short while that it is not helping you much. Tasks keep adding to it. In a few weeks, it starts looking like a list of things you will never do and you feel stressed about it. Making a to-do list is not enough. It is useful only when you understand the key aspects of it and work on it further. To begin with, recognize that a to-do list is only a pool of tasks. It is just a raw collection that gives you no idea of how you will get to it. To make it useful you have to define the „when“. Entering details about when you will do the different tasks, gives the to-do list a meaning. When you begin creating a schedule, your focus shifts to how long you have to work on each task to complete it. This way you are forced to be realistic about your goals. You cannot do all the tasks on the list on the same day. So, you should learn to prioritize. Rank the tasks using numbers or group them using letters of the alphabet, according to the order of importance. Now start working according to the schedule where your schedule went wrong by paying close attention to how you are spending the day. Some of the possible reasons are:- you waste time, made mistake in assessing how much time a task would take or deal with “urgent” tasks frequently. If the reason is wasting time, learn to concentrate on your work. If you made a mistake in time assessment, prepare a more realistic schedule. Another way to prioritize tasks is based on the creative energy they require. Separate the tasks into creative and boring ones. This approach helps you to stay productive even during cheerless parts of the day. Making schedule for items in your to-do list does not promise that all of them are accomplished. But you can at least be strategic about what is left behind and feel happy that you achieved what you accommodated in the finite space. This way you can begin the next day on a confident note rather than feeling helpless and frustrated about failing.

**I. Answer the questions given below, on the basis of your reading of the passage:**

- (a) What makes a “to-do list” useful?
- (b) Why is the “to-do list” described as a raw collection?
- (c) How do you become realistic about your goals?
- (d) What is “prioritizing”?
- (e) What are the possible reasons for failure of accomplishing the things mentioned in the list?

**II. Find the opposites of the words given below, in the passage:-**

- a) relieved
- (b) distract

**Q.2. Read the following passage carefully:**

**(8)**

A final year school student, called Mathew here, stumbled into science class for the seventh time. His teacher, Rebecca Sacra wondered how such a bright boy could be so irresponsible. She then issued a reminder to her students. “Nine times late to class and you receive a failing grade regardless of your test scores”. In the back of the room, Mathew seemed nonplussed. Sacra decided to meet Mathew’s father to explain the situation. She braced herself, though remembering the tough spots he’d bailed Mathew out before - like the time Mathew was caught smoking in school or when he broke bounds. But the father’s reaction surprised Sacra. “I have been getting that boy out of trouble for years.” He began “Maybe, it’s time to demand more - not less - of Mathew. Go ahead and flunk him if that is what it takes to turn him around. What Mathew’s dad dreaded even more was about the possibility that Mathew might go off to college before he learned to take responsibility for his own action. “You wouldn’t really flunk me, would you? “Incredulous” Mathew asked his teacher the next morning. She assured him that she would. Mathew wasn’t late ever again. The lesson Mathew’s father discovered - that parents who want their kids excel

must choose the best parenting option, not the easiest - is something teachers wish all parents knew. Says Terry Lowe, an award-winning teacher, "Too many parents are quick to back off when kids object or complain. They bail them out of tough spots and make excuses or give in when the going gets tough. Kids are a long - term investments, and parents have to stop making short - term decisions about them.

**(1) The central idea of the passage is \_\_\_\_\_ .**

- (a) the turning around of Mathew
- (b) lesson on good parenting
- (c) lesson of good teaching
- (d) boys will be boys.

**(2) How did his father react on the earlier counts?**

- (a) He was very strict and punished the kid rightly
- (b) He reprimanded Mathew severely
- (c) He was unconcerned as Mathew got good grades
- (d) He was short sighted and he bailed him out.

**(3) What essentially worked in Mathew's case ?**

- (a) The abilities of his father as a glib talker
- (b) The fact that he continued on his high grades.
- (c) The fear that he would be reprimanded.
- (d) The teacher's stern warning to Mathew that she would flunk him

**(4) What was Mathew's father afraid of when the teacher mentioned the austerity bid?**

- (a) He thought his son would flunk
- (b) He was afraid that his son would spoil his reputation
- (c) He was afraid that his son would get into smoking
- (d) He was afraid that his son would remain irresponsible.

**(5) "She braced herself up" - means**

- (a) to fasten with a brace
- (b) to be ready for a fight
- (c) to prepare oneself for something unpleasant
- (d) to be ready to lose one's job.

**II Find words in the passage that means the following:**

- a) Stumbled
- b) dreaded
- c) Wondered

**SECTION – B [WRITING AND GRAMMAR]**

**Q.3.** There is a river near your house and lately people are dumping waster into it. This has polluted the river and there had been increase in health problems in the area. Write a letter to the editor of a newspaper requesting them to publish this in their paper. You can take ideas from the MCB unit "Health and Medicine". **(8)**

**OR**

You are the librarian of DPG Public School, Jaipur. You want to purchase new books like dictionary, books on computers, story books of good authers besides for competitive exams for Medical and IIT entrance tests. Place an order on M/S Munjal Book stores, NaiSarak, Delhi.

**Q.4. Write a short story in 200-250 words based on the hints provided below: (10)**

A Rabbit- very proud- fast runner-laughed on a tortoise- tortoise asked for a race- rabbit ready-ran fast- slept in between- tortoise continued moving- reached up to the end- slow and steady wins the race

**Q.5 Fill in the blanks with appropriate word. (4)**

Walking is a great exercise and will definitely help you control (a) \_\_\_\_\_ blood sugar and blood pressure. I hope you are (b) \_\_\_\_\_ with the correct footwear. Good walking shoes will (c) \_\_\_\_\_ the strain on your foot and ankle joint. For best results one (d) \_\_\_\_\_ walk for 30 minutes at a stretch.

**Q.6. The following passage has not been edited. There is an error in each line. Write the correct word in place of incorrect word in your answer sheet. Do not write the whole passage. (4)**

	<b>Incorrect</b>	<b>Correct</b>
The passenger were waiting on the	_____	_____
Station when five policeman rushing	_____	_____
onto difference compartments of the	_____	_____
train. Later, one of them comes out	_____	_____
with two young men		

- Q.7. Rearrange these words/Phrases to make meaningful sentences.** (4)
- (a) that /life began / centuries ago / scientists think / twenty million / on earth / about.
  - (b) endless process/ the plants and animals/ of evolution / are the products / we see around / us / of an / which
  - (c) by their environment / all the animals / and /are moulded /are products of / their habitant.
  - (d) encroachment / regarded / is / loss / habitat / human / of/ due to / reason/ as / decline / this / for / main / the

#### SECTION D: LITERATURE

- Q.8. Read the extracts and answer the following questions:** (4)

**1. The moment the letter fell into the mailbox the postmaster went to open it. It said: “God: Of the money that I asked for, only seventy pesos reached me. Send me the rest, since I need it very much. But don’t send it to me through the mail, because the post office employees are a bunch of crooks. Lencho”.**

- (a) What was Lencho thinking while writing the letter?
- (b) Why did the postmaster open the mailbox immediately after Lencho had posted his letter?
- (c) How much money had Lencho asked for?
- (d) Why did Lencho not want to send the rest of the money by mail?

**2. Some say the world will end in fire Some say in ice.**

From what I’ve tasted of desireI hold with those who favour fire.

- (a) What do people think about the ending of the world?
- (b) What is the poet’s opinion?
- (c) What does ‘desire’ mean here?
- (d) What is the rhyme scheme of this stanza?

- Q.9. Answer the following Questions.** (8)

- 1. What is the central idea of the poem “Dust of Snow”?
- 2. What were the twin obligations mentioned by Mandela?
- 3. Why and how did the postmaster help Lencho?
- 4. Who does Lencho have complete faith in? How would we come to know this?

**Q.10 Answer in brief.**

- 1. What value we get from the chapter Nelson Mandela- Long walk to freedom. (6)
- 2. Write the character sketch of Mrs.Pumphrey (8)





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**Std. X**

**Max. Marks - 80**

सामान्य निर्देश :

- इस प्रश्न -पत्र में चार खंड हैं - क ख,ग,घ।
- चारों खंडों के प्रश्नों के उत्तर देना अनिवार्य है।
- यथा संभव प्रत्येक खंड के क्रमशः उत्तर दीजिए।

**खंड 'क' : अपठित बोध**

प्रश्न - 1 निम्नलिखित गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर दीजिए -

[9]

बाल मजदूरी का प्रमुख कारण है - गरीबी। पेट की भूख ही बच्चों को काम करने के लिए विवश करती है। बाल मजदूरी का दूसरा कारण है - अशिक्षा। कुछ लोग यह सोचकर अधिक बच्चों पैदा करते हैं कि जितने अधिक बच्चे होंगे उतने अधिक काम करने वाले होंगे। इस मानसिकता वाले लोग छोटी उम्र में ही अपने बच्चों कि पढाई - लिखाई छुड़वाकर उन्हें काम करने के लिए मजबूर कर देते हैं। बच्चों से होटल,ढाबों,घरों,कल - कारखानों,दुकानों आदि में काम लिया जाता है। कुछ बच्चे कूड़ा -प्लास्टिक चुनते अथवा सड़को,बसों,ट्रेनों में फेरी लगाते भी देखे जा सकते हैं। बच्चों से काम लेने वाले 'बच्चा' समझकर न तो इन्हें पूरी मजदूरी देते हैं और न ही इनकी अन्य आवश्यकताओं का ध्यान रखते हैं। ये बच्चों का न केवल मानसिक अपितु शारीरिक शोषण भी करते हैं। बच्चें न तो अपने अधिकारों की बात जानते हैं। न ही इनके खिलाफ कोई कार्यवाही कर सकते हैं। बाल मजदूरी को रोकने संबंधी अनेक कानून बनाए गए हैं,किन्तु इस दिशा में अब तक कोई ठोस कदम नहीं उठाया गया है। बाल मजदूरी को रोकने के लिए समाज के सभी लोगों को अपनी सोच और मानसिकता बदलनी होगी। गरीब बच्चों के लिए मुफ्त शिक्षा,रोटी और कपड़े की व्यवस्था करनी पड़ेगी,तभी देश के भावी कर्णधारों का बचपन सुरक्षित हो सकेगा।

प्रश्न

- (क) बाल मजदूरी के प्रमुख कारण क्या हैं और बाल मजदूरी कर रहे बच्चों का बचपन कि प्रकार सुरक्षित रह सकेगा ?
- (ख) बच्चें किन -किन स्थानों पर मजदूरी करते हैं ?
- (ग) मजदूर बच्चों के साथ लोग कैसा व्यवहार करते हैं ?
- (घ) बाल मजदूरी को रोकने हेतु आम जनता को क्या करना चाहिए ?
- (ङ) गद्यांश का उचित शीर्षक दीजिए।



मन समर्पित, तन समर्पित

और जन जीवन समर्पित

चाहता हूँ देश की धरती, तुझे कुछ और भी दूँ!

माँ तुम्हारा ऋण, मैं अकिंचन,

किन्तु इतना कर रहा फिर भी निवेदन -

थाल में लाऊँ सजाकर भाल जब भी,

कर दया स्वीकार लेना यह समर्पण

गान अर्पित, प्राण अर्पित

रक्त का कण - कण अर्पित

चाहता हूँ देश की धरती, तुझे कुछ और भी दूँ!

माँज दो तलवार को, कुछ न होने देंगे,

बाँध दो कसकर कमर पर दाल मेरी,

भाल पर मल दो चरण की धूल थोड़ी,

शीश पर आशीष की छाया घनेरी ।

स्वपन अर्पित, प्रश्न अर्पित

आयु का क्षण - क्षण समर्पित

चाहता हूँ देश की धरती, तुझे कुछ और भी दूँ!

प्रश्न

(क) कवि अपने भावों से देश की धरती को क्या समर्पित करना चाहता है ?

(ख) 'माँज दो तलवार को, कुछ हो न देरी' - ऐसा कवि ने किस सन्दर्भ में कहा है ?

(ग) इस काव्यांश से हमें क्या प्रेरणा मिलती है ?



खंड 'ख' : व्याकरण

प्रश्न - 3 निम्नलिखित वाक्यों को निर्देशानुसार बदलिए -

[5]

(क) बालक रोता रहा और चुप हो गया।

(सरल वाक्य में बदलिए)

(ख) तुम जाकर राम को बुला लाओ।

(संयुक्त वाक्य में बदलिए)

(ग) जो सोता है, सो खोता है।

(सरल वाक्य में बदलिए)

(घ) सोने की चिड़िया कहलाने वाला यह वही भारत है।

(मिश्र वाक्य में बदलिए)

(ङ) मेरे कहने पर वह पुस्तक दे देगा।

(संयुक्त वाक्य में बदलिए)

प्रश्न : 4 (क) निम्नलिखित मुहावरों का अर्थ लिखिए -

[3]

(क) आँखों का तारा

(ख) अपनी खिचड़ी अलग पकाना

(ग) अकल का दुश्मन

प्रश्न : 4 (ख) निम्नलिखित मुहावरों का वाक्य प्रयोग कीजिए -

[2]

(क) सुध-बुध खोना

(ख) बाट जोहना

प्रश्न- 5 निम्नलिखित प्रश्नों के उत्तर लिखिए -

[5]

(क) छोटे भाई का मन पढाई में न लगकर किन कार्यों में लगता था ?

(ख) ततार्रा की तलवार के बारे में लोगो का क्या विचार था ?

(ग) 'साखी' शब्द का क्या अर्थ है ?

प्रश्न- 6 बड़े भाई साहब को अपने मन की इच्छाएँ क्यों दबानी पड़ी ?

[5]

अथवा

वामीरो और ततार्रा शादी के बंधन में क्यों न बंध सके ?

प्रश्न- 7 निकोबार के लोग ततार्रा को क्यों पसंद करते थे ?

[5]

प्रश्न- 8 'कस्तूरी कुंडली बसै', मृग ढूँढे बन माँहि का भाव स्पष्ट कीजिए।

[5]



प्रश्न- 9 कबीर के अनुसार निंदक कौन होता है? उन्होंने उसे अपना सबसे बड़ा शुभचिंतक क्यों माना है ? [5]

प्रश्न- 10 निम्नलिखित प्रश्नों के उत्तर लिखिए- [5]

(क) मीठी वाणी बोलने से ओरो को सुख और अपने तन को शीतलता कैसे प्राप्त होती है ?

(ख) कबीर दास क्यों दुखी है ?

(ग) 'साखी' शब्द का क्या अर्थ है ?

प्रश्न- 11 दिए गए संकेत-बिन्दुओं के आधार पर किसी एक विषय पर लगभग 100 शब्दों का अनुच्छेद लिखिए - [5]

(क) स्वच्छता अभियान

•क्या •क्यों और कैसे •सुझाव

(ख) लड़कियों की शिक्षा

•भूमिका •लड़कियों को शिक्षा की आवश्यकता •महत्व •उपसंहार

(ग) युवा पीढ़ी के कर्तव्य

•युवा देश का भविष्य •युवाओं के कर्तव्य •निष्कर्ष

प्रश्न- 12 शिक्षक दिवस के अवसर पर कार्यक्रम आयोजित करने के लिए आपको संयोजक बनाया गया है। कार्यक्रम के बारे में विद्यार्थियों की सभा के लिए एक सूचना लगभग 30 शब्दों में प्रस्तुत कीजिए। [5]

प्रश्न:13 आपसे अपने बचत खाते की चैक - बुक खो गए है। इस सम्बन्ध में तत्काल उचित कार्यवाही करने के लिए निवेदन करते हुए बैंक प्रबन्धक को पत्र लिखिए- [5]

प्रश्न:14 'खाने से ज्यादा व्यायाम पर ध्यान दो' इस विषय पर दो मित्रों के बीच संवाद को लगभग 50 शब्दों में लिखिए। [5]

प्रश्न:15 'सुलेख' नाम से बाल और पेनो की एक कंपनी बाजार में आई है। इसके लिए एक विज्ञापन तैयार

कीजिए ? [5]

# ATMIYA VIDYAPEETH

\_\_\_-05-2019

## Class :-10 Maths (Summer Vacation Worksheet)

Marks : 80 Time : 3 hr

### [Section A]

Answer in short. Each Question carries 1 Marks.

1 [1] If the system of equation  $2x + 3y = 7$  and  $29x + (a + b)y = 28$  has infinitely many solutions, then

(a)  $a = 2b$

(b)  $b = 2a$

(c)  $a + 2b = 0$

(d)  $2a + b = 0$

2 [1] The system of equation  $2x + 3y - 7 = 0$  and  $6x + 5y - 11 = 0$  has

(a) unique solution (b) No solution (c) Infinitely many sols (d) None of these

3 [1] Write whether the square of any positive integer can be of the form  $3m + 2$ , where  $m$  is a natural number. Justify your answer

4 [1] Construct the cumulative frequency distribution of the following distribution:

Class Interval	6.5-7.5	7.5-8.5	8.5-9.5	9.5-10.5	10.5-11.5	11.5-12.5	12.5-13.5
Frequency	5	12	25	48	32	6	1

5 [1] 2.13113111311113.....is

(a) a rational number

(b) a non-terminating decimal number

(c) an irrational number

(d) Both (a) & (c)

6 [1] For what least value of 'n' a natural number,  $(24)^n$  is divisible by 8?

(a) 0

(b) -1

(c) 1

(d) No value of 'n' is possible

### [Section B]

Answer in short. Each Question carries 2 Marks.

7 [2] In a cyclic quadrilateral ABCD,  $\angle A = (2x + 4)^\circ$ ,  $\angle B = (y + 3)^\circ$ ,  $\angle C = (2y + 10)^\circ$  and  $\angle D = (4x - 5)^\circ$  Find the four angles.



- 8 [2] The annual rainfall record of a city for 66 days is given in the following table.

Rainfall (in cm)	0-10	10-20	20-30	30-40	40-50	50-60
Number of days	22	10	8	15	5	6

Calculate the median rainfall using ogives (of more than type and of less than type)

- 9 [2] For the following distribution :

Class	0-5	5-10	10-15	15-20	20-25
Frequency	10	15	12	20	9

the sum of lower limits of the median class and modal class is

- (A) 15                      (B) 25                      (C) 30                      (D) 35
- 10 [2] The given distribution shows the number of runs scored by some top batsmen of the world in one-day cricket matches:

Runs scored	Number of batsmen
3000 – 4000	4
4000 – 5000	18
5000 – 6000	9
6000 – 7000	7
7000 – 8000	6
8000 – 9000	3
9000 – 10000	1
10000 – 11000	1

Find mode of the data.

- 11 [2] Zeros of  $P(x) = 2x^2 + 9x - 35$  are  
 (a) 7 and  $\frac{5}{2}$                       (b) -7 and  $\frac{5}{2}$                       (c) 7 and 5                      (d) 7 and 2

- 12 [2] For the following distribution :

Marks	Number of students
Below 10	3
Below 20	12
Below 30	27
Below 40	57
Below 50	75
Below 60	80

the modal class is

- (A) 10-20                      (B) 20-30                      (C) 30-40                      (D) 50-60

### [Section C]

**Answer in Detail. Each Question carries 3 Marks.**

- 13 [3] For any positive integer  $n$ , prove that  $n^3 - n$  is divisible by 6.

- 14 [3] Check whether the first polynomial is a factor of the second polynomial by dividing the second polynomial by the first polynomial.  $x^2+3x+1, 3x^4+5x^3-7x^2+2x+2$

15 [3] Yash scored 40 marks in a test, getting 3 marks for each right answer and losing 1 mark for each wrong answer. Had 4 marks been awarded for each correct answer and 2 marks been deducted for each incorrect answer, then Yash would have scored 50 marks. How many questions were there in the test?

16 [3] Solve:  $\frac{2}{3x+2y} + \frac{3}{3x-2y} = \frac{17}{5}$  and  $\frac{5}{3x+2y} + \frac{1}{3x-2y} = 2$

17 [3] Size of agricultural holdings in a survey of 200 families is given in the following table:

Size of agricultural holdings (in ha)	Number of families
0-5	10
5-10	15
10-15	30
15-20	80
20-25	40
25-30	20
30-35	5

Compute median and mode size of the holdings.

18 [3] The A.M of the following distribution is 47. Determine the value of P.

Classes	0-20	20-40	40-60	60-80	80-100
Frequency	8	15	20	P	5

19 [3] Verify that the numbers given alongside of the cubic polynomials below are their zeroes. Also verify the relationship between the zeroes and the coefficients :

$$2x^3 + x^2 - 5x + 2; \frac{1}{2}, 1, -2$$

20 [3] Prove that the following are irrationals.  $6 + \sqrt{2}$

21 [3] The largest number which divides 70 and 125, leaving remainders 5 and 8, respectively, is

- (A) 13 (B) 65  
(C) 875 (D) 1750

22 [3] Use Euclid's division algorithm to find the HCF of: 135 and 225

### [Section D]

**Answer in Detail. Each Question carries 4 Marks.**

23 [4] Determine graphically the coordinates of the vertices of the triangle, the equation of whose sides are  $y = x$ ,  $3y = x$  and  $x + y = 8$ .



24 [4] Mean of the following data is

Class Interval	50-60	60-70	70-80	80-90	90-100
Frequency	8	6	12	11	13

- (a) 76 (b) 77  
(c) 78 (d) 80

25 [4] Places A and B are 100 km apart on a highway. One car starts from A and another from B at the same time. If the cars travel in the same direction at different speeds, they meet in 5 hours. If they travel towards each other, they meet in 1 hour. What are the speeds of the two cars?

26 [4] Solve  $2x + 3y = 11$  and  $2x - 4y = -24$  and hence find the value of 'm' for which  $y = mx + 3$ .

27 [4] The wickets taken by a bowler in 10 cricket matches are as follows

2	6	4	5	0	2	1	3	2	3
---	---	---	---	---	---	---	---	---	---

Find the mode of the data.

- (a) 1 (b) 4  
(c) 2 (d) 3

28 [4] 50 students enter for a school *javelin* throw competition. The distance (in metres) thrown are recorded below :

Distance (in m)	0-20	20-40	40-60	60-80	80-100
Number of students	6	11	17	12	4

- (i) Construct a cumulative frequency table.  
(ii) Draw a cumulative frequency curve (less than type) and calculate the median distance thrown by using this curve.  
(iii) Calculate the median distance by using the formula for median.  
(iv) Are the median distance calculated in (ii) and (iii) same?

29 [4] Find their solutions (if they exist) by the elimination method:

A lending library has a fixed charge for the first three days and an additional charge for each day thereafter. Saritha paid Rs 27 for a book kept for seven days, while Susy paid Rs 21 for the book she kept for five days. Find the fixed charge and the charge for each extra day.

30 [4] Show that the cube of a positive integer of the form  $6q + r$ ,  $q$  is an integer and  $r = 0, 1, 2, 3, 4, 5$  is also of the form  $6m + r$ .



**ATMIYA VIDYAPEETH, GANDHIDHAM**  
**ACADEMIC SESSION 2019-20**  
**SUMMER VACATION ASSIGNMENT**

**Subject: - Science**  
**Std. X**

**Max. Marks:80**

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**. GENERAL INSTRUCTIONS**

- All questions are compulsory
- Q.1 to Q.2 are very short answer type questions carrying one mark
- Q.3 to Q.5 are short answer type question carrying 02 marks
- Q.6 to Q.15 are short answer type question carrying 03 marks
- Q.16 to Q.21 are long answer type question carrying 05 marks.
- Section B contain total 6 questions which are practical based each containing 2 marks

**SECTION A**

- Q.1 Why are decomposition reactions are called as opposite of combination reactions ?
- Q.2 What is translocation in plants ?
- Q.3 A shiny brown coloured element X on heating in air becomes black in colour. Name the element X and the black coloured compound formed.
- Q.4 Explain how antacid works ?

OR

How does the flow of acid rain water into a river makes the survival of aquatic life in the river difficult ?

Q.5 State the properties of image formed by plane mirror?

Or

Differentiate Regular and irregular reflection by diagram.

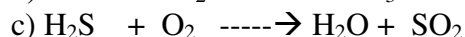
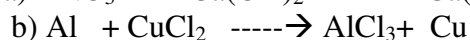
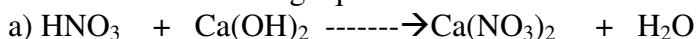
Q.6 Write the chemical reaction in which the following changes have taken place with an example of each:-

a) change in colour    b) change in temperature    c) formation of precipitate

Q.7 a) Oil and fat containing food items are flushed with nitrogen. Why ?

b) Write one equation each for decomposition reaction, where energy is supplied in the form of heat, light and electricity.

Q.8 Balance the following equations :-



Q.9 A milkman adds a very small amount of baking soda to fresh milk.

a) Why does he shift the pH of the fresh milk from 6 to slightly alkaline ?

b) Why does this milk take a long time to set as curd ?

Q.10 Compound such as glucose and alcohol also contain hydrogen but are not categorised as acids. Describe an activity to prove it.

Q.11 Draw a well labelled diagram of alimentary canal of human.

OR

Draw a well labelled diagram of respiratory system of human being.

Q.12 Write the role of following in digestion

a) pepsin    b) bile juice    c) HCl

Q.13a) What would be the consequences of deficiency of haemoglobin in blood ?

b) State 02 difference between arteries and veins .



Q.14 State the laws of reflection draw diagram to explain.  
Q.15 Why concave mirror is called convergent mirror. Draw diagram to explain.

Q.16a) A solution of a substance X is used in white washing.

1) Name the substance X and write its formula.

2) Write the reaction of the substance X with water.

b) Write any two difference between displacement and double displacement reactions ?

OR

2 g of lead nitrate is taken in a boiling tube . The boiling tube is heated over a flame . Now answer the following.

1) State the colour of the fumes and the residue left.

2) Name the type of reaction involved.

3) Write a balanced chemical equation.

Q.17 a) What happens when 1) limited supply of  $\text{CO}_2$  is passed through lime water.

2)  $\text{CO}_2$  passed through lime water in excess. Write the reactions involved.

b) Why should curd and sour substances not be kept in brass and copper vessels ?

c) Name the acid present in ant sting . Also give the common method to get relief from the discomfort caused by ant sting.

Q.18 Give the example of following reaction.

a) Acid reacts with metal.

b) Acid reacts with metal hydroxide.

c) Acid reacts with metal carbonate.

d) Base reacts with metal.

e) Base reacts with non metal oxide.

OR

Q a) Define olfactory indicators. Name two substances which can be used as olfactory indicator.

b) Tap water conducts electricity whereas distilled water does not. Why?

c) For a dilution of acid, acid is added into water and not water to acid. Why ?

Q.19 Draw ray diagrams to show Image formed by the Concave Mirror.(All cases)

Or

(i) Draw ray diagrams to show Image formed by the Convex Mirror.(All cases)

(ii) State the uses of Concave and convex mirror.

Q.20 a) State any two difference between autotrophic and heterotrophic nutrition.

b) Describe an activity to show that sunlight is necessary for photosynthesis.

Q.21 a) Explain the process of breakdown of glucose in a cell

1) in the presence of oxygen 2) In the lack of oxygen 3) In the absence of oxygen

b) Why is the rate of breathing factor higher in aquatic organism than terrestrial organism ?

### SECTION B

Q.22 Why does the colour of copper sulphate solution changes when an iron nail is dipped in it ?

Q.23 When a green iron salt is heated strongly its color finally changes to black and odour of burning sulphur is given out. Write the reaction involved.

Q.24 You have four solutions A,B,C and D and their pH is 6,9,12 and 7 respectively. What is the colour of solution of A,B,C and D on pH paper.

Q.25 Four students measured the pH values of water, lemon juice, and sodium carbonate. What is the correct sequence of solution in decreasing order of pH value would be.

Q.26 Draw a well labelled diagram of open and closed stomata.

Q.27 Write the steps to prepare a temporary mount of slide of stomata .



**ATMIYA VIDYAPEETH, GANDHIDHAM**  
**ACADEMIC SESSION 2019-20**  
**SUMMER VACATION ASSIGNMENT**

**Subject: - Social Science**  
**Std. X**

**Max. Marks - 80**

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**General Instructions:**

- a) The question paper is divided into four sections – Section A, Section B, Section C and Section D.
- b) The question paper has 26 questions in all.
- c) All questions are compulsory.
- d) Marks are indicated against each question.
- e) Questions from serial number 1 to 7 are very short answer type questions. Each question carries one mark.
- f) Questions from serial number 8 to 18 are 3 marks questions. Answer of these questions should not exceed 80 words each.
- g) Questions from serial number 19 to 25 are 5 marks questions. Answer of these questions should not exceed 100 words each.
- h) Question number 26 is a map question of 5 marks from history.

1. What did British do to repress the Rowlatt Satyagrah? [1]
2. What was Chauri Chaura movement? [1]
3. What are two types of resources on the basis of origin? [1]
4. What is power sharing? [1]
5. What are pressure groups? [1]
6. What is coalition Government? [1]
7. What is net attendance ratio? [1]
8. Describe how accommodation was made in Belgium? [3]
9. What is Majoritarianism? What is the ethnic composition of Srilanka? [3]
10. "Money in your pocket cannot buy everything you need to live a life". Justify the statement with suitable examples. [3]
11. What are three limitations of Civil disobedience movement? [3]
12. Why there is a need of sustainable development? [3]
13. What are two reasons of power sharing? Write one example of each. [3]
14. The average income of 10 persons in a family is 10000, one new was added in a family and the average income becomes 11200. What is the income of the newly added member? [3]
15. What do you mean by an aspirational goal? Write one aspirational goal each of an urban and a rural girl. [3]
16. Who formed Swaraj party? Why? [3]



17. "The two examples of power sharing represents a unique style of governing the nation  
"Do you agree? Which models do you like the most? Why? [3]

18. Why was Simon commission opposed? [5]

Or

Write a short note on Dandi March.

19. "Averages hide disparity". Do you agree? Why? Show it statistically. [5]

20. Who was Baba Ramchandra? What efforts did he make for the peasants in Awadh? [5]

21. What are different forms of power sharing? Explain it. [5]

22. What is federalism? What are its key features? [5]

23. What is majortarianism? Write its ethnic composition. What was preferential policy of  
Governemnt? [5]

24. Differentiate organized and unorganized sector. [5]

25. What was the objective of implementation of NREGA 2005? [5]

26. Locate the following on an outline political map of India? [5]

(a) Chaurichaura (b) congress session December 1920 (c) Congress session 1929

(d) Indigo movement (e) No tax campaign



# ATMIYA VIDYAPEETH

## ASSIGNMENT 2019-20

### SUB: COMPUTER

STD: X

DATE:

Max. MARKS – 40

TIME -

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#### Unit III- WORD PROCESSING

##### A. SHORT ANSWER TYPE QUESTIONS

- 1) Define Paragraph Spacing
- 2) What is alignment?
- 3) What are Headers and Footers?
- 4) Define Style.
- 5) How can you create a Blank Template?
- 6) What are two ways of closing a Header Section?
- 7) Is it possible to insert date as a field in a Header Section? If Yes, Explain How?
- 8) What is Footer?
- 9) How can we open the Styles Task pane?
- 10) What is a Template?

##### B. LONG ANSWER TYPE QUESTIONS

- 1) What steps are followed while setting the Tab Stops?
- 2) What is First Line Indent and Hanging Indent? How can we set both these Indents?
- 3) Write down the steps required to insert page numbers in a Header section.
- 4) Explain the importance of new styles and manage styles option.
- 5) How can we use the built in templates in word-2010?
- 6) Explain the functionality of different alignment options.'
- 7) How can you insert a picture in a Header?
- 8) Write the steps required for setting the line spacing between a paragraph.

**Note: Complete Computer Note Book till Session 6 (Unit III)**