Promotion Examination - 2019
Computer Science
Class – IX

Time: - 1½ Hours   MM: 40

Q1. Choose the correct option   (10 Marks)

1. Computer system has a unit, which displays the result from it.
a. Central Processing Unit   b. memory unit   c. Input Unit   d. Output unit.

2. A computer system can accept textual input with the help of.
a. Mouse   b. Video Camera   c. Keyboard   d. Barcode Reader.

3. We can enter the audio from of data into a computer system with the help of
a. Microphone   b. Scanner   c. Keyboard   d. Barcode Reader.

4. One of the Internet Service provider in India.
a. CBSE   b. BSNL   c. Microsoft   d. Infosys

5. Files can be organized in
a. Printer   b. Keyboard   c. Folder   d. Mouse

6. Which of the following is NOT an input device?
a. Scanner   b. Speaker   c. Keyboard   d. Mic

7. Which of the following can be used for audio-Video Communication?
a. Video Conferencing   b. Chat   c. Email   d Ip Telephony

8. Which of the following is not an internet browser?
a. Google Chrome   b. Internet explorer   c. Firefox   d. Notepad

9. Identify a valid email id out of the following.
a. Jamesmartin@james.in   b. james_martin.james.in   c. james@martin@in d. james martin@james.in

10. Which of the following combination of keys are used for copying a particular file in a folder?
a. CTR+V   b. CTR+X   c. CTR+C   d. CTR+A

Q2 Very short answers   (10 Marks)

1. How many rows and columns are there in an Excel worksheet?
2. Name the symbol used to start an Excel formula.
3. Which type of referencing has been used in A1?
4. Define the term 'hardware'.
5. What stores temporarily deleted files of your system.
6. What is the full form of GUI?
7. Name the tab that has the option to create a new document
8. Define Header.
9. What is repeated at the bottom of every page of a document ?
10. Give full form of MICR.

Q3. Label the below Excel
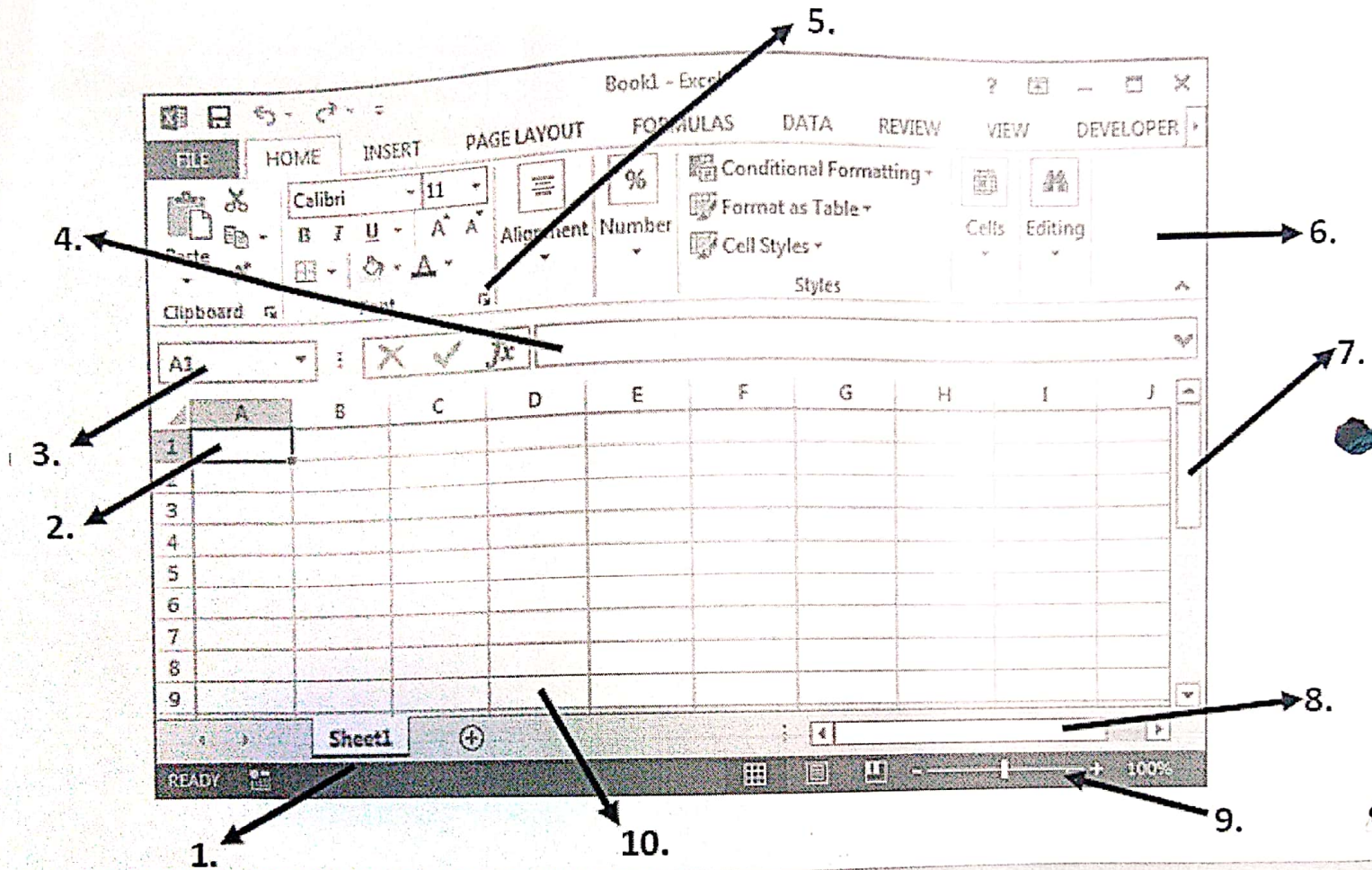
Q4. Explain the use of IF( ) function by giving a suitable example. (5 Marks)

Q5. What is the purpose of primary storage in a computer ? (5 Marks)

Q6. Give formulas using examples for:- (5 Marks)
   a) Sum
   b) Average
   c) Todays Date
   d) max
   e)count

Annual Examination (2018-2019)

Class – IX

Subject – Science

Time Allowed : 3 Hours   Maximum Marks : 80

General Instructions :

(i) The question paper comprises of five sections – A, B, C, D and E. You are to attempt all the sections.

(ii) All questions are compulsory.

(iii) Internal choice is given in sections B, C, D and E.

(iv) Question numbers 1 and 2 in Section-A are one mark questions. They are to be answered in one word or in one sentence.

(v) Question numbers 3 to 5 in Section- B are two marks questions. These are to be answered in about 30 words each.

(vi) Question numbers 6 to 15 in Section-C are three marks questions. These are to be answered in about 50 words each.

(vii) Question numbers 16 to 21 in Section-D are 5 marks questions. These are to be answered in about 70 words each.

(viii) Question numbers 22 to 27 in Section- E are based on practical skills. Each question is a two marks question. These are to be answered in brief.

SECTION – A

Q.1. Name any two macronutrient required by the plant from the soil.   (1)

Q.2. What happens when rain falls on soil without vegetation cover ?   (1)

SECTION – B

Q.3. (i) Mitochondria is known as the power house of the cell. Why ?   (2)

(ii) Which organelle is known as the kitchen of the cell. Why ?   (2)

Q.4. List two differences between electron, proton and neutron.

Q.5. Write any two real life examples of less Impact of force.

OR

Define Universal Gravitational Constant.   (2)

SECTION – C

Q.6. What will be the new Kinetic Energy of a moving body is its velocity is made 3 times ?

OR

A moving body of mass 30 Kg has 60 Joules of Kinetic Energy. Calculate its velocity.   (3)

Q.7. (i) Name any two methods to reduce Reverberation.   (1)

(ii) A SONAR device fitted in submarine receives an echo 4 seconds later the signal is transmitted towards another submarine 3060 m away. Find the speed of sound in water.   (2)

Q.8. State Universal Law of Gravitation with formula and a diagram. Give the relation between accelerating due to gravity and Universal Gravitational Constant.   (3)

Q.9. Give names of the following :   (3)

(i) Tissues concerned with the conduction of materials in plant.

(ii) Tissues capable of cell division in plant.

(iii) Tissue which holds organs in their respective places in an animal.

Q.10. What is Hybridization ? Why is it done ?   (3)

Q.11. What are vaccines ? Name any three vaccine and the diseases they protect us from. (3)

Q.12. What is balanced diet ? What problem will you face if you do not eat balanced diet ? Name a diseases caused due to malnutrition. (3)

Q.13. You are provided with a mixture of naphthalene which undergoes sublimation and sodium chloride. Suggest an activity to separate them with explanation and well labelled diagram (3)

Q.14 (A) Calculate the Molar Mass/ formula unit mass of the following compounds of **any two.**(3)
- (i) HNO_3 [H=1,N=14,O=16]
- (ii) $PbSO_4$ [Pb=107,S=32,O=16]
- (iii) Ca_3PO_4 [Ca=40, P=31, O=16]
- (iv) NH_3 [N=14, H=1]

(B) Calculate the no of moles in the following (any two)
- (i) 64 g of oxygen atom. (O= 16)
- (ii) 27g of Aluminium (Al=27)
- (iii) 110 g of carbon dioxide .(C=12,O=16)

Q.15. **(a)** Define Isotope with and example and give one application of isotopes. (3)

(b) If Bromine atom is available in the form of say, two isotopes $^{79}_{35}Br$ [49.7%] and $^{81}_{35}Br$ [50.3%]. Calculate the average atomic Mass.

OR

(a) Define Isobars with an example. (3)

(b) Calculate the no of molecules of Sulphur(S_8) present in 16 g of solid sulphur. [S=32]

SECTION – D

Q.16. Draw the electronic structures for the following element :-
- (i) Silicon(At mass = 28) 2. Phosphorus(At mass=31) 3. Nitrogen (At mass=14) (3)
- (ii) Give two differences between physical and chemical changes. (2)

OR

Write the electronic configuration and valency for the following elements :-
- (a) 1.Magnesium 2. Calcium 3.Argon. (3)
- (b) Give two differences between compounds and mixtures. (2)

Q.17. (a) Draw and explain the Bohr's model of an atom.

OR

Rutherford's gold foil experiment. (5)

(b) Write two characteristics of particles of Matter.

Q.18. (a) A bus decreases its speed from 90 km/h to 36 km/h in 5 seconds. Find the acceleration of the bus. (2)

(b) Draw waves for the following :- (3)
- (i) To show Low and High frequency waves.
- (ii) To show Soft and Loud sound produced by waves.

OR

(a) Give any four real life examples of Third Law of Motion.
(b) Prove : F = m . a for a body of mass m Kg having an acceleration. of a m/sec². (2)

Q.19. (a) Some activities are listed below . Reason out whether work is done or not in the light of your understanding :-
- (i) Suma is swimming in a pool.
- (ii) A plant is carrying out photosynthesis in the presence of sun.
- (iii) An engine is pulling a train.
- (iv) A sailboat is moving due to wind energy.

(b) Explain, how and which type of energy transformation takes place when a simple pendulum oscillates. [Draw a diagram in support]. (3)

Q.20. Global warming, biodiversity conservation and pollution are serious environmental issues. Answer the following question with regard to these issues. Name the gas responsible for global warming, Why it is called the greenhouse gas ? What are its drastic effect on our environment ? How can we prevent it ? (5)

**OR**
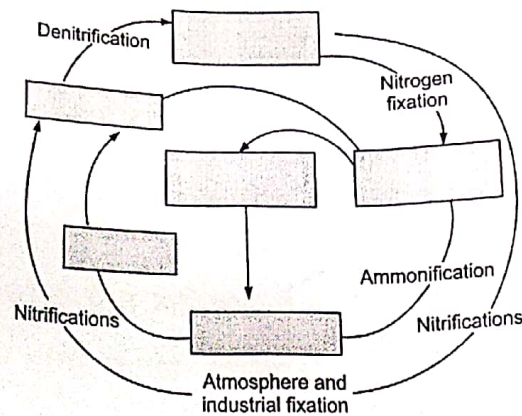
The above diagram shows a simplified biogeochemical cycle :-
(i)   Draw the above cycle and fill in the blanks to complete the valid cycle.
(ii)   Name the cycle which is depicted ?
(iii)   Name some micro-organism involved in this cycle.

Q.21. (i)   What are cryptogams ? How are phenerogams different from cryptogams. Name any two group which come under cryptogams with one example each. (3)
(ii)   A blue whale lives in water and a bat can fly still these animal are grouped together. Name the group and state the basis of their grouping by giving three points. (2)

SECTION – E

(2)

Q.22.
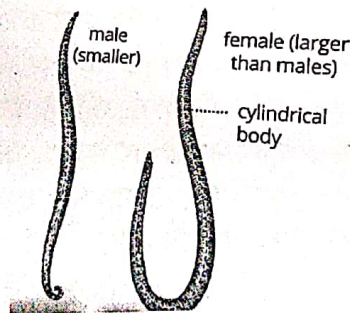
(i)   Identify the organism shown in the picture and write its common and scientific name.
(ii)   Name the phylum it belongs to.
(iii)   Which organ of the digestive system is normally harbored by this organism.

Q.23. While observing a slide of animal tissue under a microscope, Aseem observed thread like structure of dentrites. Which possible animal tissue is Aseem seeing? Draw the structure of this tissue and label it (2)

Q.24. A strip of Magnesium metal is introduced into the Bunsen burner. Write two observations and explain them with proper reasoning. (2)

Q.25. What is observed when a magnet is moved over :- (2)
(i)   Mixtures of iron filings and sulphur?
(ii)   Compound formed (FeS) after heating of iron filings and sulphur?

Q.26. Give any four conditions for the production of Echo. (2)

Q.27. While finding the velocity of a pulse through slinky (two ends of slinky are A & B) :- (2)
(i)   Which type of wave is produced in slinky ?
(ii)   What can be seen going from one A to another ends B ?
(iii)   Which formula do you use to find the velocity of a pulse ?
(iv)   Define pulse.

FINAL EXAMINATION 2018-19

HINDI

CLASS – IX

Time-:3 Hrs   M.M-80

निर्देश –

1 इस प्रश्नपत्र के चार खंड है– क, ख, ग, और घ ।

2 चारों खण्डों के प्रश्नों के उत्तर देना अनिवार्य है।

3 यथासंभव प्रत्येक खण्ड का उत्तर क्रमशः दीजिए।

खण्ड–'क' (अपठित बोध)

प्र.1 निम्नलिखित गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर लिखिए –   8

      लेगों का मानना है कि बाल–श्रम जैसी सामाजिक कुरीति को समाप्त करने का दायित्व सिर्फ़ सरकार का है। यदि सरकार चाहे तो कानूनों का पालन न करने वालों एवं कानून भंग करने वालों को सज़ा देकर बाल–श्रम को समाप्त कर दे, किंतु वास्तव में ऐसा करना असंभव है हमारे घरों में, ढाबों में होटलों में अनेक बाल – श्रमिक मिल जाएँगे, जो कड़ाके की ठंड या तपती धूप की परवाह किए बगैर काम करते हैं । हमें सोचना होगा कि सभ्य समाज में यह अभिशाप अभी तक क्यों बरकरार है? क्यों तथाकथित सभ्य एचं सुरक्षित परिवारों में नौकरों के रूप में छोटे बच्चों को पसंद किया जाता है ? क्यों आर्थिक रूप से सशक्त लोगों को घर के कामकाज हेतु गरीब एवं गाँव के बाल–श्रमिक ही पसंद आते हैं ? आज आवश्यकता इस बात की है कि सरकारी स्तर से लेकर व्यक्तिगत स्तर तक सभी लोग इसके प्रति सजग रहें और बाल–श्रम के कारण बच्चों का बचपन न छिन जाए, इसके लिए कुछ सार्थक पहल करें। हम सबका दायित्व है कि इनकी दशा – परिवर्तन हेतु मनोयोगपूर्वक सार्थक प्रयास करें, जिससे राष्ट्र के भावी नागरिकों के बालपन की स्वाभाविकता बनी रह सके।

क   प्रस्तुत गद्याश में लोगों की क्या विचारधारा है ?   2

ख   सभ्य समाज में कौन–सा अभिशाप आज भी व्याप्त है ? स्पष्ट कीजिए ?   2

ग   प्रस्तुत गद्यांश की विषय–वस्तु किस पर आधारित है तथा हम सबका क्या दायित्व है ?   2

घ   'बालपन' में कौन–सा प्रत्यय है ?   1

ड.   प्रस्तुत गद्यांश का उचित शीर्षक लिखिए ।   1

प्र.2 निम्नलिखित पद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर लिखिए –   7

    सुत कितने पैदा किए जो तृण भी नहीं थे

    और वे भी जो पहाड़ों से बहे थे

    किंतु तेरे मान का जब वक्त आया

    पर्वतों के साथ तिनके भी लड़े थे

ये सुगन लो, यह चमन लो, नीड़ का तृण-तृण समर्पित

चहता हूँ , देश की धरती , तुझे कुछ और भी दूँ ।

क 'तृण' से क्या आशय है ?   1

ख कवि किसके मान की बात कर रहा है ?   1

ग समर्पित का क्या अर्थ है ?   1

घ कवि की क्या आकांक्षा है ?   2

ड. इस कविता से आपको क्या प्रेरणा मिलती है ?   2

खण्ड – ख (व्यावहारिक व्याकरण)

प्र.3 निर्देशानुसार उत्तर दीजिए –   4

क 'दरअसल' शब्द में प्रयुक्त उपसर्ग और मूल शब्द लिखिए ।

ख 'सु' उपसर्ग लगाकर एक शब्द बनाइए ।

ग 'बचपन' शब्द में प्रयुक्त प्रत्यय और मूलशब्द लिखिए ।

घ 'मान' प्रत्यय से एक शब्द बनाइए ।

प्र.4 निम्नलिखित समस्त पदों का विग्रह कर समास का नाम लिखिए –   3

(क) भुजदंड   (ख) नवरात्र   (ग) वचनामृत

प्र.5 (अ) अर्थ के आधार पर निम्नलिखित वाक्यों की पहचान करके उनके भेद लिखिए –   2

(क) आप जा सकते हैं।   (ख) सीता हँसा करे।

(ब) निम्नलिखित वाक्यों को निर्देशानुसार बदलिए –   2

क बच्चा आज स्कूल नहीं गया । (विधिवाचक)

ख भाग्य सबका साथ देता हैं। (प्रश्नवाचक)

प्र.6 निम्नलिखित पद्यांशों में प्रयुक्त अलंकारों की पहचान कर उनके नाम लिखिए –   4

क इस काल मारे क्रोध के तनु काँपने लगा उनका ।

मानो हवा के ज़ोर से सोता हुआ सागर जगा।

ख निर्मल तेरा नीर अमृत के सम उत्तम है।

ग चरण-कमल वंदौं हरिराई।

घ चारू चंद्र की चंचल किरणें

खेल रही हैं जल-थल में ।

खण्ड – ग (पाठ्य पुस्तक)

प्र.7 निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए –   5

सन् 1857 ई. के विद्रोही नेता धुंधूपंत नाना साहब कानपुर में असफल होने पर जब भागने लगे, तो वे जल्दी में अपनी पुत्री गैना को साथ न ले जा सके। देवी गैना बिठूर में पिता के महल में रहती थी; पर विद्रोह दमन करने के बाद अंग्रेजों ने बड़ी ही क्रूरता से उस निरीह और निरपराध देवी को अग्नि में भस्म कर दिया। उसका रोमांचकारी वर्णन पाषाण हृदय को भी एक बार द्रवीभूत कर देता है ।

क   नाना साहब की पुत्री का नाम क्या था ? वह कहाँ रहती थी ?   1

ख   नाना साहब अपनी पुत्री को साथ क्यों नहीं ले गए ?   2

ग   अंग्रेजों ने मैना के साथ कैसा व्यवहार किया ?   2

प्र.8 निम्नलिखित प्रश्नों के संक्षिप्त उत्तर दीजिए –   8

क   छोटी बच्ची ने बैलों की सहायता क्यों की ?   2

ख   'अतिथि देवो भव' की भारतीय परिकल्पना तिब्बत में भी प्रचलित है। पाठ के आधार पर स्पष्ट कीजिए ।2

ग   बालिका मैना ने सेनापति 'हे' को कौन–कौन से तर्क देकर महल की रक्षा के लिए प्रेरित किया ?   2

घ   'प्रेमचंद के फटे जूते' पाठ में लेखक ने प्रेमचंद के जूते फटने के क्या–क्या कारण बताए हैं ?   2

प्र.9 निम्नलिखित पद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए –   5

बूढ़े पीपल ने आगे बढ़कर जुहार की ,

'बरस बाद सुधि लीन्हीं'

बोली अकुलाई लता ओट हो किवार की,

हरसाया ताल लाया पानी परात भर के।

मेघ आए बड़े बन–ठन के सँवर के।

क   उपर्युक्त काव्यांश में पीपल को किस रूप में चित्रित किया गया है ? उसने मेघ के साथ कैसा बर्ताव किया ?   1

ख   लता को काव्यांश में किस रूप में चित्रित किया गया है, उसने मेघ से क्या शिकायत की और क्यों? 2

ग   तालाब ने भारतीय संस्कृति की परंपरा का पालन कैसे किया ?   2

प्र.10 निम्नलिखित प्रश्नों के संक्षिप्त उत्तर दीजिए –   8

क   बच्चों का काम पर जाना एक बड़े हादसे के समान है, क्यों ?   2

ख   'आज हर दिशा दक्षिण दिशा हो गई है'। इस पंक्ति के माध्यम से कवि किस वास्तविकता से हमें सजग करना चाहता है ?   2

ग   निम्नलिखित किसके प्रतीक हैं ?   2
     पेड़ , नदी , लता , ताल

घ   'कैदी और कोकिला' कविता के आधार पर पराधीन भारत की जेलों में दी जाने वाली यंत्रणाओं का वर्णन
     कीजिए।   2

प्र.11 कथावस्तु के आधार पर आप 'रीढ की हड्डी' एकांकी का मुख्य पात्र आप किसे मानते हैं और
       क्यों?   4

प्र.12 दिए गए संकेत बिन्दुओं के आधार पर किसी एक विषय पर लगभग 200 से 250 शब्दों में
       निबंध लिखिए–   10

1   विज्ञापन की दुनिया–

                 • भूमिका

                 • विज्ञापनों का उद्देश्य

                 • प्रभाव

                 • विज्ञापनों से लाभ–हानि

                 • उपसंहार

2   यात्रा जिसे मैं भुला नहीं पाता –

                 • कहाँ की यात्रा

                 • विशेष घटना का वर्णन

                 • अविस्मरणीय कैसे

3   सांप्रदायिकताः एक अभिशाप–

                 • संप्रदायिकता का अर्थ

                 • विश्वव्यापी समस्या

                 • समस्या से मुक्ति

प्र.13 अपने छोटे भाई को पत्र लिखिए , जिसमें धूम्रपान से होने वाली हानियों का वर्णन हो ।   5

प्र.14 'स्वच्छ भारत अभियान' विषय पर दो मित्रों में हुए संवाद को लगभग 50 शब्दों में लिखिए। 5

TIME : 3HOURS

MAX MARKS : 80

Instructions:-

1] The question paper has :

Section A - Reading Skills   *20 marks*

Section B - Writing skill and Grammar   *30 marks*

Section C - Literature and Long Reading Text   *30 marks*

2] Read the instructions carefully and do not exceed the word limit.

3] Follow the sequence of the question paper.

SECTION A: [LANGUAGE] (20 marks)

I]   Read the following passage carefully

[8]

Time management is the act of planning and managing time that is spent on various activities. It helps us to work smarter instead of harder and it also enables us to get more work done in less amount of time. Planning the time may seem as a wastage of time in itself; however, the benefits of time management are enormous. The results of better time management are-less stress, increased productivity and efficiency, professional and personal growth etc.

Time is limited and hence, it is important that we plan our time wisely and make the best use of the limited hours in a day. We need to learn to use time effectively because we cannot store or save it for later use and also we cannot retrieve the time that has been wasted. If we have to manage time effectively, we need to be organized and focused.

Time management techniques includes effective planning of activities, setting of goals, setting deadlines, delegating work, prioritizing our activities etc. The major benefits of using time management techniques is that we can accomplish more with lesser efforts. Most people feel that they always have too much to do and within too little time. Managing time wisely will help to find the right balance between time and work. A few people resort to multi- tasking in order to get the work done within the specified time limit. At times, this may result in poor performance in the various tasks assigned. The major mistake committed while working is when one is in rush to meet the deadline without taking proper breaks for rest or relaxation. It is impossible for anyone to focus on work and to produce good results without considering any break in between. It helps to perform better if one takes a five minute break every two hours of work. Proper time management is the cornerstone of a successful life and ensures achievement of one's goals in a healthy manner.

Answer the following questions briefly:

1) What is time management?
2) State two ways in which time management helps us.
3) Why do we need to learn to use time effectively?
4) What are the results of better time management?
5) What does time management techniques include?
6) What are the major benefits of using time management techniques?
7) How does managing time wisely help people who feel that they have too little time to do their work?
8) Why does taking a short break in between sessions of work helpful for better results?

1 | P a g e

II) Read the passage carefully:

1) " Teenagers ? Stress ? you must be joking." this is probably the reaction when asked whether teenagers get fretful and apprehensive. for it is generally believed that they have " no responsibilities, no worries and no duties." but that is not true. In today's competitive world , one needs to struggle and fight to make it in this dynamic, yet uncertain , environment that is both stressful and anxiety including. Teenagers face a myriad of pressures, three of which are briefly discussed here.

The pressure to perform i.e. to do well academically comes from parents , teachers and peers. The lack of aptitude tests or respecting the students preferences pushes them into fields which may not interest them or for which they are not equipped .

2) Apart from the pressure to perform well, they are often burdened with the pressure to conform to the norms laid down by society. Next , teenagers are pressurized to reform themselves . This is commonly experienced especially by students in the group of 13 to 17 years. Everybody is telling them when to wake up and what to do.

3) Here's what you can do to deal with these pressures. As a result of pressure , teenagers are often found to be anxious. A sign to anxiety is holding one's breath. The easy way out is to take deep breath at regular intervals, trying to calm your mind.

4) Modern life's competitiveness and challenges put a tremendous load of work on teenagers . They need to understand that they are strong enough to handle the tough challenges in life-studying and assignments being two of them . Procrastinators i.e. people who habitually delay and postpone doing their work, need to cultivate " the art of starting " and this involves dealing with the minor discomfort experienced while beginning a task. Once a job has started , it is much easier to continue.

Some students worry about factors like social and financial status, intelligence and habits that might make them different from their peer. Effective stress management lies in having a healthy attitude towards competition, work , friends and acquaintances. It lies in taking life as it comes , doing your best and being prepared for the worst .

a) Answer the following question briefly: [2x4 = 8]

1. What do you mean by effective stress management ?
2. Who are procrastinators? How can procrastination be overcome?
3. Give an example of how a teenager can deal with pressures.
4. What kind of pressures are faced by teenagers?

b) Answer the following question :   [1*4 = 4]

5. The word in the first which means the same as "troubled state of mind ' is......
6. The word in the first paragraph which is a synonym of 'adolescent' is ....
7. The word in the fourth paragraph which is an antonym of 'Ease' is.........
8. The word in the last paragraph which is an antonym of unhealthy.........

SECTION–B

III) You have experienced a very hot summer the previous year. Taking ideas from the hints given below write an article for your school magazines on 'Why is it warmer in cities and what can be done to improve the environment.' Give a suitable heading to your article.

- Global warming
- Heat from streets / vehicles.
- Exhausts and fumes from factories / homes / car.
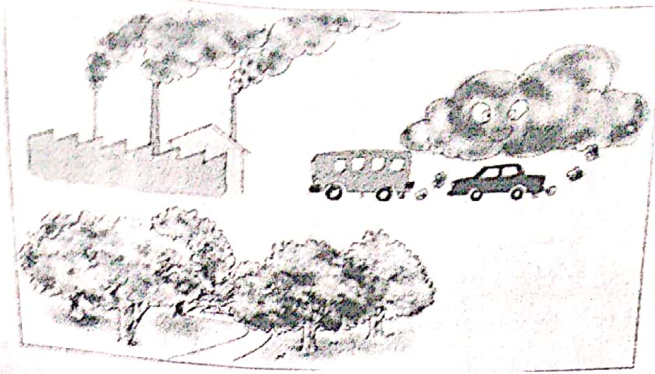
OR

You won the 'Student of the Year' trophy. Make a diary entry expressing in 100- 150 words using the hints given below.

> Best student award for excellence in studies as well as achievement in co-curricular activities--- Joy knows no bounds----parents have decided to gift a laptop. Friends and teachers appreciate -----proud moments

IV) Based on the visual input given below write a short story in 150 -200 words. You can begin the story with the hints given in the box and give a suitable title.

[10marks]
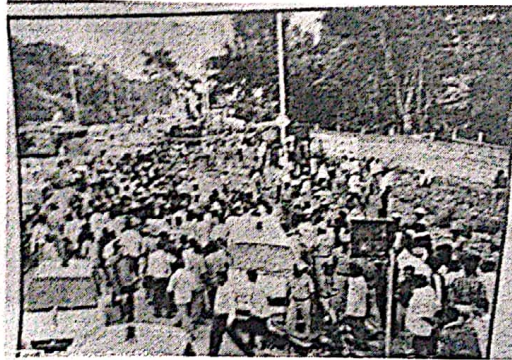
> On way to school--- chaos on main road---accident at metro construction site----scene of the accident ---student volunteers help in controlling

V) In the following passage, there is one error in each line. Write the incorrect and the correct word in your answer script.   [4marks]

                                                            Incorrect   correct

a) Thousands of bats emerge   a) _____   _____
b) from under the bridge. It were   b) _____   _____
c) a Amazing sight. I learnt   c) _____   _____
d) a lot of fact about these creatures.   d) _____   _____

VI) Rearrange the given words to form meaningful sentences.

                                                            [1*4= 4]

a) In an area/his plane crashed/of mountains

b) He escaped/digging a tunnel/from prison by
c) And kept in prison/by enemy soldiers/he was captured
d) A passing ship/ we hoped that/ would rescue us

VII) Fill in the blanks with the correct options given below: [4 Marks]

Education is defined as (1)_____ ability of a person to read (2)_____ write.

(3)_____ sadly, millions of children 4)_____ uneducated in India.

1)	a) the	b) an	c) some	d) any
2)	a) and	b) but	c) as	d) while
3)	a) yet	b) what	c) but	d) perhaps
4)	a) aren't	b) are	c) our	d) were

SECTION – C   [30 Marks]

[LITERATURE AND SUPPLEMENTARY READING TEXT]

VIII) Read one of the extract given below and answer the questions that follows :-] [1×4 = 4 Marks

" *Kalam ,I want you to develop so that you are at par with the highly educated people of big cities.*"

a) Who is the speaker of these words in the above extract?
b) What did he dream about Kalam's future?
c) Explain the term 'at par?
d) Which quality does he admire about the people of big cities?

OR

Along the sand
he lay until observed
and chased away ,and now
he vanishes in the ripples
among the green slim reeds

a) Who is "he" in the above extract?
b) Where was he lying ? ?
c) Why did he vanish in the ripples ?
d) Find a word which is similar to "thin".

[2×5=10]

IX) Answer any 5 of the following questions in about 30 – 40 words :

Q1. In what way did Margie and Tommy receive their education ?

Q2. How did Bruno become attached to the family of the author ?
Q3. What effect did the deep slumber have on the beloved of the author, after her death?

Q4. What is the significance of the ivy leaves ?

Q5. What happens when the zip on his carry–bag gives way?

Q6. What are the two strange things the guru and his disciple find in the kingdom of Fools?

X)   Answer any one of the following questions in 100-150 words : [8]

1) What is Gerrard's profession? Quote the parts of the play to support your answer.

OR

2) "To hear any flute is to be drawn in the commonality of all mankind". Why does the author say this ?

X)   Answer any one of the following questions in 100- 150 words :-   [8]

Give a character sketch of Lushkoff.

OR

Justify the title Ä House is not a Home ".

ANNUAL PROMOTION EXAMINATION- 2019
CLASS IX
SUBJECT: MATHEMATICS

TIME: 3 Hrs.

M.M: 80

GENERAL INSTRUCTIONS
- All questions are compulsory.
- The question paper consists of 30 questions divided into 4 sections- A, B, C and D.

SECTION-A

1. Express $-x + 4 = 5y$ in the form of $ax + by + c = 0$ and indicate the values of a, b and c.
2. In which quadrant will point $(-5, -3)$ lie.
3. The perimeter of one face of a cube is 72cm. Find the length of its edges.
4. Find the zeros of $4x^2 - 25$.
5. Is it possible to construct a triangle of sides 6cm, 4cm and 12cm?
6. Find a rational number between -5 and -4.

SECTION-B

7. In the given figure OAB is an equilateral triangle, O is the center, Find $\angle ACB$.
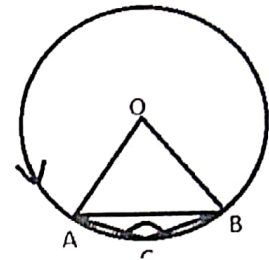
8. Construct an isosceles right angle triangle in which length of each side is 4.2cm. Find the length of hypotenuse by measuring it.
9. Find the volume of cone whose radius is 14cm and height is 12cm.
10. In the given figure, D and E are the mid points of sides BC and AC of $\triangle ABC$. Find the area of $\triangle BED$, if area of $\triangle ABC$ is 60cm².
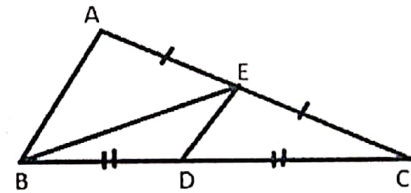
11. If the point (1,2) lies on the line of graph $3y = kx + 5$, then find the value of k.
12. Three coins are tossed simultaneously 200 times with the following frequencies of different outcomes:

Outcomes	3 heads	2 heads	1 head	No head
Frequency	23	72	77	28

If the three coins are simultaneously tosses again, compute the probability of

a. two heads coming up.
b. one head coming up.

SECTION C

13. The record of a weather station shows that out of the past 250 consecutive days its weather forecasts were correct 175 times
    a. What is the probability that on a day it was correct
    b. What is the probability that it was not correct on a given day
14. Find the total surface area of a sphere whose radius is 7cm.
15. Find the mean 23, 27,30,40,32,18,19,11.
16. AD and BC are equal perpendiculars to a line segment AB. Show that CD bisects AB.
17. Give the geometric representation of 2x+9=0 as an equation in-
    i. One variable
    ii. Two variables
18. D, E and F are respectively the mid-points of the sides BC, CA and AB of a $\triangle ABC$. Show that
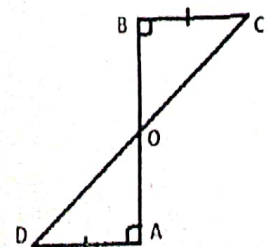
i   BDEF is a parallelogram

   ii ar.(DEF) = $\frac{1}{4}$ ar (ABC).

   iii ar (BDEF) = $\frac{1}{2}$ ar (ABC)

19. Draw the graph for x − 3y = 6.
20. Check whether 7 + 4x is a factor of 3x² + 7x.
21. In the given figure, ∠PQR = ∠PRQ, then prove that
     ∠PQS = ∠PRT.
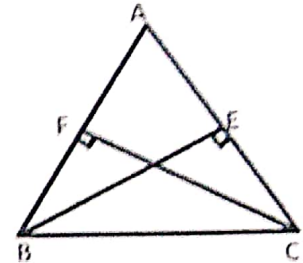22. Find the median = 36,43,50,91,49,82,56,100,90,52.
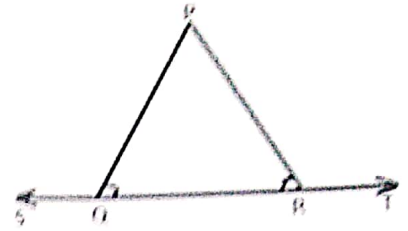
SECTION D

23. The capacity of a cuboidal tank is 50000 litres of water. Find the
     breadth of the tank, if its length and depth are respectively 2.5m and
     10m.
24. In the fig. , E is any point on median AD of a ΔABC. Show that
     ar(ABE) = ar(ACE).
25. Find the area of a triangle, two sides of which are 8cm and 11cm
     and the perimeter is 32cm.
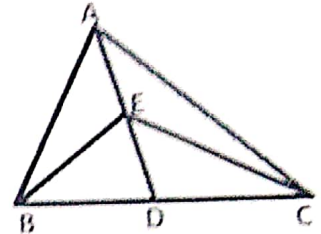
26. ABC is a triangle in which altitudes BE and CF to sides AC and AB
     are equal. Show that
         i.   ΔABE ≅ ΔACF
         ii. AB = AC, i.e., ABC is an isosceles triangle.
27. If the non-parallel sides of a trapezium are equal, prove that it is
     cyclic.
28. Construct a triangle PQR in which QR = 6cm, ∠Q = 60° and PR−PQ = 2cm.
29. 100 surnames were randomly picked up from a local telephone directory and a frequency
     distribution of the number of letters in English alphabet in the surnames was found as
     follows:

Number of letters	Number of surnames
1-4	6
4-6	30
6-8	44
8-12	16
12-20	4

         i.   Draw a histogram to depict the given information.
         ii. Write the class interval in which the maximum number of surnames lie.
30. In parallelogram ABCD, two points P and Q are taken on diagonal BD such that DP = BQ.
     Show that:
         i.   ΔAPD ≅ ΔCQB
         ii. AP = CQ
         iii. ΔAQB ≅ ΔCPD
         iv. AQ = CP