Time : 3 hrs   MM : 80

Q1. Choose the correct answer and write it in the answer sheet: (10x1=10)

(a) Function with which subtotal values in the database are calculated -

   (i) COUNT   (ii) SUM

   (iii) TOTAL   (iv) MAX

(b) Who introduced the concept of zero?

   (i) Bill Gates   (ii) Lovelace

   (iii) Steve Jobs   (iv) Aryabhat

(c) Which feature helps you to display only those records that meet the specified criteria?

   (i) Filter   (ii) Data validation

   (iii) Sort   (iv) Data Form

(d) It contains the actual chart itself and includes data series, category and value axis as well.

   (i) Plot Area   (ii) Legend

   (iii) Gridlines   (iv) Chart Area

(e) Which key is used to group multiple worksheets?

   (i) Enter   (ii) Shift

   (iii) Alt   (iv) Spacebar

(f) The base of a binary number system is -

   (i) 10   (ii) 2

   (iii) 0   (iv) 1

(g) Which of the following provides an easy way to present the data in a summarised way?

   (i) Sparklines   (ii) Pivot Table

   (iii) Form   (iv) Chart

(h) Which chart displays data in the form of long, horizontal rectangular rods?

    (i)   Pie   (ii)   Bar

    (iii)   Line   (iv)   Column

(i) A _____ converts the decimal format into its binary equivalent.

    (i)   Digital Computer   (ii)   Cell Phone

    (iii)   Abacus   (iv)   None of these

(j) Which feature is used to determine input values needed to achieve a specific goal?

    (i)   Grouping worksheets

    (ii)   Data consolidation

    (iii)   Legends

    (iv)   Goal seek

Q2. Answer the following statements in one word : (10x1=10)

(a) The numbers used in Octal number system.

(b) It helps the user to organise, retrieve, sort and edit data as needed.

(c) Function key used to insert a chart instantly in a worksheet.

(d) It sets a cell's format according to the condition that you specify.

(e) The vertical axis that is used to plot the values in Excel charts is called as?

(f) Name the number system whose base is 10.

(g) Using this option. you can change the pattern of data series.

(h) Button used to remove a duplicate value from one or more columns.

(i) A related set of data values is called as?

(j) Hexadecimal uses how many symbols to represent numbers?

Q3. Explain the following questions briefly : (10x2=20)

(a) Write the rules to convert a decimal number into a binary number.

(b) What is a database?

(c) Describe the utility of grouping worksheets of a workbook.

(d) Explain the use of sorting feature in Excel.

(e) What is a chart in Excel?

(f) Describe the Octal Number System.

(g) What is the utility of a form in a database?

(h) Differentiate between Chart Area and Plot Area.

(i) Explain number system and its commonly used types.

(j) What do you understand by data consolidation?

Q4. Convert the following from Decimal to Binary : (3x2=6)

(a) 68 (b) 38

(c) 30

Q5. Differentiate between the following : (3x3=9)

(a) Column Chart and Bar Chart

(b) Field and Record

(c) Line Chart and Pie Chart

Q6. Explain the following components of charts : (2x2=4)

(a) Axes Titles (b) Gridlines

Q7. Convert the following from Binary to Decimal : (3x2=6)

(a) $(11110)_2$ (b) $(10101)_2$

(c) $(1000100)_2$

Q8. Answer the following questions : (3x3=9)

(a) What do you understand by Hexadecimal Number system?

(3)

b) Write the utility of-

 i) Pivot Table

 ii) Advanced Filter

c) Write the rules to convert binary numbers into decimal numbers.

Q9) Study the following Excel worksheet and answer the questions
below: (6×1=6)

	A	B	C	D	E	F
1	ROLL NO	NAME	ENG	HINDI	TOTAL	Mini Chart
2	1	Rajat	75	75		
3	2	Rahul	85	75		
4	3	Avi	55	50		
5	4	Priya	70	65		
6	5					

a) Give the formula to calculate the total marks of Rahul in cell D3.

b) Nikita wants to arrange the marks of all the students in
descending order. Using which feature of Excel can she do this?

c) Which feature should Riya use to restrict the mark entries of all
the students between 0 to 100?

d) Which feature of Excel will help Neha to add mini chart that fit
into a single cell?

e) Ronak would like to add a combination of two or more chart
types. Which feature of Excel will help him to do so?

f) Rajat wants his total marks to be 160. He wants to know how
much more he should score in English, in order to score total of
160. Which feature should he use?

HALF YEARLY EXAMINATION   10/2017

CLASS : VII

SUBJECT : INTEGRATED SCIENCE

**Time : 3 hrs**   **MM : 80**

General Instructions :

(i)   This paper consists of three sections A, B and C.

(ii)   Marks are indicated against each question.

(iii) Draw neat and well labelled diagrams wherever required.

SECTION-A (PHYSICS)

Q1.   Answer in one word or one sentence :   (5x1=5)

     (a)   Every shiny and polished surface acts as a mirror. Which mirror is represented by inner surface of a spoon?

     (b)   Time taken by a simple pendulum to complete half oscillation is 1 second. What is the time period of the pendulum?

     (c)   Name the calm area in the centre of a cyclone.

     (d)   Why does a Compact Disc (CD) appear colourful when sunlight falls on it?

     (e)   As shown in the given figure, two paper cups 'A' and 'B' are tied to a balance. When a candle is lighted under cup 'B', it rises up. Why does cup 'B' rise up?
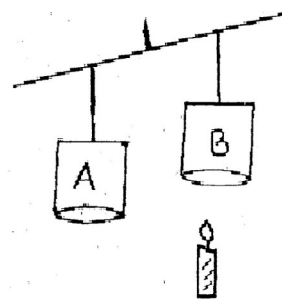
Q2.   Answer briefly :   (4x2=8)

     (a)   On passing sunlight through lens 'X', Anu obtained a bright spot on a paper.
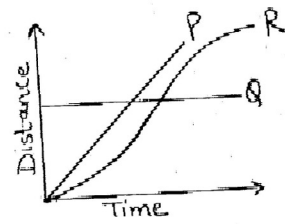
(1)

(i) Name lens 'X'.

(ii) Draw a diagram showing the above phenomenon.

(b) Speed of a train is 360 km/hr. Convert its speed in m/s.

(c) The distance-time graph given here represents motion of three cars 'P', 'Q' and 'R'.

(i) What type of motion is represented by cars 'P' and 'R' respectively?

(ii) What is the speed of car 'Q'?

(d) A tin can is full of steam and a tight lid is put on it. What will happen if cold water is poured over this can? Give reason for your answer.

Q3. Answer the following :   (3x3=9)

(a) A candle of length 20cm is kept at a distance of 30cm from a plane mirror. What would be the

(i) length of the image formed?

(ii) distance of the image from the candle?

(iii) distance of the image from the mirror if the candle is moved 5cm backwards?

(b) While travelling in the hills with his parents, Sahil observed lightning in the sky which was followed by heavy rain and loud sound.

(i) Identify the above mentioned natural phenomenon.

(ii) Write any two precautions that one should take during this phenomenon.

(2)

(c) The odometer of a car reads 620 km when the clock shows the time 9:00 AM. What is the distance covered by the car if at 11:00 AM, the odometer reading has changed to 670 km? Calculate the speed of the car in km/h.

Q4. Answer the following : (3+2=5)

Anika had two different types of mirrors. She named them as 'X' and 'Y' respectively.

(1) Image formed by mirror 'X' is always smaller in size.

(2) Image formed by mirror 'Y' can be smaller or bigger.

(a) Identify and draw mirrors 'X' and 'Y'.

(b) Which mirror should be used (i) to make a torch? (ii) as rear view mirror of car?

SECTION-B (CHEMISTRY)

Q1. Answer in one word or one sentence : (5x1=5)

(a) How does the presence of a thick coat of hair help to keep the wool yielding animals warm?

(b) Name the acid found in unripe mangoes.

(c) Complete the given analogy with respect to an indicator prepared using China rose petals.

Vinegar : _____ :: Milk of magnesia : green

(d) Chhavi observes that as her mother is very particular about watering plants, the plants in their garden grow well. Why do plants need water?

(e) What keeps the total amount of water on the earth constant?

Q2. Answer briefly : (4x2=8)

(a) What is sericulture? Which variety of silk will be obtained by cultivation of Morus alba and rearing silkworms on it?

(3)

(b) Identify the technique of watering plants shown in the given figure. How does this technique prevent wastage of water?
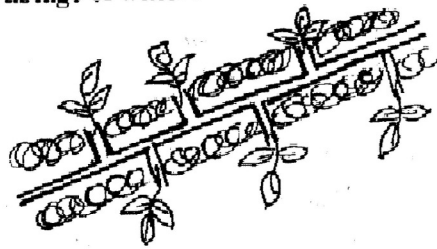
(c) (i) Why does the resultant reaction mixture become hot when an acidic and a basic solution are mixed?

(ii) Name one synthetic or man-made indicator.

(d) Wastes from factories should not be allowed to flow into the water bodies. Why? How should this waste be treated before releasing it into water bodies?

Q3. Answer the following : (3x3=9)

(a) Identify the given figure. Label 'x' and 'y'. How does 'z' get recharged? Explain.

(b) Wool and silk industries are important means of livelihood for many people in India.

(i) Why is the sorter's job in wool industry considered an occupational hazard?

(ii) What is reeling of silk? How is it done?

(4)

(c) Complete the given table. Give a reason to support your answer in each case.

S.No.	Substance	Indicator	Effect
(i)	Aerated drink	blue litmus	?
(ii)	Sugar solution	red litmus	?
(iii)	Soap solution	turmeric	?

(5)

Q4. Answer the following :

When solution of an acid is mixed with the solution of a base, a third substance, salt is formed. Name this reaction. On testing the solution it is found to show no colour change with blue or red litmus. What is the nature of salt solution formed? Explain giving reason. Also write the word equation for the above reaction.

SECTION-C (BIOLOGY)

Q1. Answer in one word or one sentence :   (4x1=4)

    (a) Why do polar bears have white fur over their bodies?

    (b) How does breathing occur in frogs and earthworm?

    (c) How does Rhizobium bacteria exhibit symbiotic relationship with leguminous plants?

    (d) Forest is a system comprising of various plants, animals and micro organisms living in harmony with each other. What would happen if forests disappear from the Earth?

Q2. Answer briefly :   (4x2=8)

    (a) Migratory birds migrate to warmer regions at the onset of winter season and come back after the winter is over.

        (i) Why do birds migrate?

        (ii) Give an example of a migratory bird.

(5)

(b) What are the end products of digestion of carbohydrates, proteins and fats in small intestine?

(c) (i) Megha observed that some plants having deep red, violet and brown coloured leaves also carry out photosynthesis. Give reason.

(ii) Express photosynthesis in the form of word equation.

(d) Differentiate between aerobic and anaerobic respiration (2 points).

Q3. Answer the following :   (3x3=9)

(a) Complete the given table :

Name of the gland	Secretion	Function
Salivary gland		
Liver		
Pancreas		

(b) (i) Explain the terms weather and climate.

(ii) Name the instruments used for measuring rainfall and temperature respectively.

(c) The diagram given below demonstrates the model to show the mechanism of breathing.

(i) What does the space in the bottle represent?

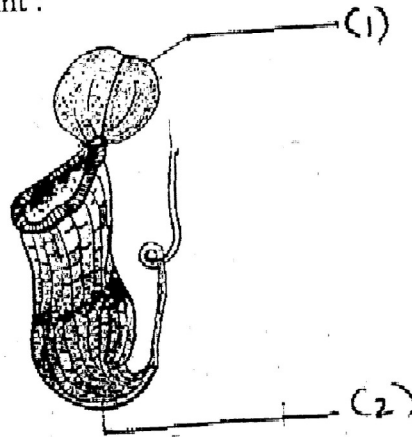(ii) Label 'A' and 'B'.

(iii) State the function of 'B'.
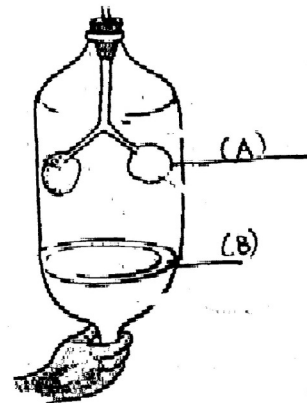
(6)

Q4. Answer the following : (5)

(a) The given diagram represents part of an insectivorous plant :

(i) Identify the parts labelled as (1) and (2).

(ii) This plant is green and carries out photosynthesis, still it feeds on insects. Why?

(iii) Name the mode of nutrition exhibited by the above mentioned plant.

(iv) Explain the mechanism of trapping food by this plant.

Time : 3hrs

M.M.:80

General Instructions:

(i)   *Read all the questions very carefully.*

(ii)   *Number the answers as given in the question paper.*

(iii)   *Write in a neat and clear handwriting.*

(iv)   *Write the answers in complete sentences.*

SECTION- A(COMPRÉHENSION ÉCRITE)

A1. Lisez:

Paul visite le zoo avec ses amis. Dans le zoo, ils voient beaucoup d'animaux. Paul aime les éléphants. Paul et ses amis donnent des bananes et des oranges aux éléphants.

Puis, ils voient des girafes. Les girafes ont un long cou et ils machent lentement. Ensuite les singes mangent du pain et ils dansent.

Paul regarde aussi des lions, les tigres, les ours et les loups. Il y a aussi les oiseaux de différentes couleurs. Puis à droite, il y a un petit étang où ils voient des poissons et des phoques. Les phoques jouent avec les ballons dans l'eau.

A1.1 : Répondez :   (1X2=2)

(i)   Qu'est-ce qu'ils voient dans le zoo ?

(ii)   Qu'est-ce que Paul et ses amis donnent aux éléphants ?

A1.2 : Dites vrai ou faux :   (1X3=3)

(i)   Les girafes ont un long cou.

(ii)   Les phoques jouent avec les stylos dans l'eau.

(iii)   Paul visite le zoo avec ses parents.

A1.3 Cochez la bonne réponse :   (1X3=3)

(i) Le girafe est un animal :

(a) petit

(b) grand

(c) gros

(ii) Les singes mangent :

    (a) du pain

    (b) des poissons

    (c) des œufs

(iii) _____ marchent lentement.

    (a) les lions

    (b) les girafes

    (c) les ours

A2. Lisez :

Voilà M. Vincent, il est jeune. Il est médecin. Il travaille dans un hôpital. Il est beau et sympathique. L'hôpital de Monsieur Vincent est loin de sa maison. Sa journée commence à 6h du matin. Il se lave et il s'habille. À 7h, il prend le petit-déjeuner : des fruits, du lait et des tartines. Ensuite, il lit le journal. À 8h, il prend sa voiture et il va à l'hôpital. Là, il osculte les malades et il donne des médicaments. À 6h, il rentre à la maison. Il se repose un peu devant la télé. Ensuite, il prend son dîner. Après le dîner, il aime lire les romans. Il se couche à 10h.

(1X2=2)

A2.1 : Répondez aux questions suivantes :

    (i)   Qu'est-ce qu'il mange au petit-déjeuner ?

    (ii)   Qu'est-ce qu'il fait après le dîner ?

(1X4=4)

A2.2 : Dites Vrai ou faux :

    (i)   Sa journée commence à 7h du matin.

    (ii)   Au petit- déjeuner, il prend des biscuits et du café.

    (iii)   Il se couche à 9h.

    (iv)   M. Vincent est boulanger.

(½X2=1)

A2.3 : Trouvez le contraire du texte :

    (i)   Laid

    (ii)   Près de

b) Maria est belle et intelligente.

c) Nous avons une voiture.

C5. Conjuguez le verbe 'Payer'. (3)

C6. Quelle heure est-il ? (1X3=3)

   a) 8h45

   b) 7h20

   c) 6h15

C7 : Complétez avec l'adverbe de quantité : (1X2=2)

   (Combien de, plus de, moins de, peu de, beaucoup de)

   a) J'aime les chocolats. Je mange _____ chocolats.

   b) _____ livres achetez-vous ?

C8. Mettez en ordre : (1X2=2)

   a) poisson / du / tu / manges

   b) du / bois/ je / café/ au / restaurant.

C9. Chassez l'intrus : (1X2=2)

   a) rouge , noire, gris, jaune

   b) printemps , été, médecin, hiver

SECTION- D (CULTURE ET LA CIVILISATION)

D1. Répondez aux questions : (1X5=5)

   a) Aneesh, quel cours aime-t-il ?

   b) Quel est le métier de Mme Lavigne ?

   c) Qui est malade ? Qu'est-ce qu'il a ?

   d) À qui Aneesh, téléphone-t-il ?

   e) Quel est le quatrième mois de l'année?

D2. Dites vrai ou faux. (1X5=5)

   a) On peut utiliser l'euro aux États-Unis.

   b) On doit respecter les agés.

   c) Il faut aimer son travail.

   d) La rentrée, c'est le premier jour de l'école après les vacances.

   e) Mme Véronique se lève à 7h.

SECTION- B (EXPRESSION ÉCRITE)

B1. Décrivez votre journée.   (5)

B2. Nommez dix animaux.   (5)

B3. Décrivez votre classe.   (5)

B4. Faites des phrases :   (5)

    (i)   maison

    (ii)   aimer

    (iii)   école

    (iv)   glace

    (v)   avoir chaud

SECTION- C (GRAMMAIRE)

C1. Complétez avec des prépositions données.   (1X5=5)

    (sans, chez, avec ,contre, à côté de)

    a) Stéfi va _____ sa grand-mère.

    b) Je vais à la plage _____ mon amie.

    c) Ma maison est _____ l'école.

    d) Il y a une carte de France _____ le mur.

    e) Ma mère préfère le café _____ sucre.

C2. Mettez les phrases à la forme interrogative en uilisant la forme mentionée : (1X5=5)

    a) Vous avez un frère. (I)

    b) Elle boit de l'eau minérale. (II)

    c) Elle est indienne. (III)

    d) Vous avez une montre. (II)

    e) Il a un livre rouge. (III)

C3. Conjuguez les verbes :   (1X5=5)

    a) Nous _____ du café. (prendre)

    b) Il _____ les dents. (se brosser)

    c) Tu _____ vite. (s'habiller)

    d) Ils _____ le devoir. (finir)

    e) Elle _____ une lettre. (écrire)

C4. Mettez au négatif :   (1X3=3)

    a) Il sort avec ses amis.

D3. Cochez la bonne réponse :   (1X5=5)

    (i)   Pendant les vacances, Aneesh va_____.
           (a) en Angleterre
           (b) en Inde
           (c) en France

    (ii)   Il y a _____ jours de la semaine.
           (a) six
           (b) sept
           (c) neuf

    (iii)   _____ est une saison chaude.
           (a) L'été
           (b) L'hiver
           (c) L'automne

    (iv)   En _____ , les feuilles des arbres tombent.
           (a) printemps
           (b) automne
           (c) hiver

    (v)   Le vingt-cinq décembre , c'est _____.
           (a) La fête nationale
           (b) Noël
           (c) Pâques

कक्षा : VII

विषयः – संस्कृतम्

समयः – होरात्रयम् पूर्णाङ्काः – 80

निर्देशाः (i) अस्मिन् प्रश्नपत्रे चत्वारः खण्डाः सन्ति।

(ii) प्रतिखण्ड – उत्तराणि पृथक् प्रदत्तायाम् उत्तरपुस्तिकायां लेखनीयानि।

(iii) प्रत्येकं खण्डं अधिकृत्य उत्तराणि एकस्मिन् स्थाने क्रमेण लेखनीयानि।

(iv) प्रश्नपत्रे उत्तराणि न लेखनीयानि।

(v) प्रश्नसंख्या प्रश्नपत्रानुसारं अवश्यमेव लेखनीया।

(vi) सर्वेषां प्रश्नानां उत्तराणि संस्कृतेन लेखनीयानि।

खण्डः 'क' (अपठित-अवबोधनम्) अङ्काः : 10

प्र1. अधोलिखितम् अनुच्छेदं पठित्वा प्रदत्तप्रश्नानां उत्तराणि लिखत –

गणतन्त्रदिवसस्य उत्सवः प्रतिवर्ष विशेषरूपेण भारतस्य राजधान्यां दिल्लीनगरे सम्मान्यते। दिल्लीनगरे 'इण्डिया गेट' नाम्नः स्थाने अस्य उत्सवस्य समारोहः भवति। अस्मिन् दिने देशस्य सर्वेषु भागेषु सर्वत्र उल्लासस्य हर्षस्य च वातावरणं जायते। देशस्य सर्वेभ्यः कोणेभ्यः जनाः नार्यः नेतारश्च अस्य उत्सवं द्रष्टुम् दिल्लीनगरे आगच्छन्ति। अत्र राष्ट्रपति-महोदयः ध्वजारोहणं करोति। सर्वे जनाः देशिनः विदेशिनः च उत्थाय राष्ट्रगानं गायन्ति। एकविंशति-तोपैः राष्ट्रपतेः सम्मानं क्रियते। ततः त्रयः अपि सेनाध्यक्षाः स्व-अत्याधुनिकैः शस्त्रास्त्रैः सह स्वयानेषु राजमार्गे विचरन्ति। राजमार्गे विद्यालयानां बालकाः बालिकाः च स्व क्रीडानां प्रदर्शनं कुर्वन्ति। भारतस्य विभिन्नां प्रान्तानां नर्तकाः सांस्कृतिक-नृत्यानां प्रदर्शनं कुर्वन्ति। ततः सर्वेषां प्रान्तानां सामाजिकाः सांस्कृतिकदृश्याश्च प्रदर्शयन्ति। भारतवर्षे राष्ट्रियः अवकाशः भवति।

I. एकपदेन उत्तरत – (4x½=2)

(i) जनाः उत्थाय किं गायन्ति?

(ii) 'इण्डिया गेट' इति स्थले राष्ट्रपतिः किम् करोति?

(iii) गणतन्त्रदिवसस्य उत्सवः विशेषरूपेण कस्मिन् नगरे सम्मान्यते?

(iv) नर्तकाः केषाम् प्रदर्शनं कुर्वन्ति?

II. पूर्णवाक्येन उत्तरत – (2x2=4)

(i) भारतवर्षे कीदृशः अवकाशः भवति?

(ii) त्रयः सेनाध्यक्षाः किं कुर्वन्ति?

III. यथानिर्देशम् उत्तरत – (4x½=2)

(i) 'अस्मिन् देशे:' अनयोः पदयोः विशेषणपदम् किम्?

(ii) 'प्रसन्नतायाः' अस्य पदस्य किम् पर्यायपदम् अत्र प्रयुक्तम्?

(iii) 'गायन्ति' अस्य क्रियापदस्य कर्तृपदम् किम्?

(iv) 'गच्छन्ति' अस्य पदस्य किम् विलोमपदम् अत्र प्रयुक्तम्?

IV. अस्य गद्यांशस्य कृते समुचितं शीर्षकं लिखत। (२)

प्र2.   छात्रावास-जीवनस्य विषये पितरं प्रति लिखितं पत्रं मञ्जूषातः उचितं पदं चित्वा पूरयत - (10x½=5)

मञ्जूषा

सर्वेभ्यः, पुस्तकालयः, छात्रावासात्, पुनः, तत्रास्तु, भोजनालयः, पितृमहोदय, प्रकाशस्य, छात्राः, वृक्षाः

(i)_____

तिथिः : _____

पूज्य (ii)_____

सादरं नमामि।

अत्र कुशलं (iii)_____ । ह्यः मया अध्यापकमहोदयानां निर्देशेन स्वावासकक्षं लब्धम्। कक्षे
वायौः (iv)_____ च आगमनाय वातायनानि सन्ति। कक्षं परितः अनेके (v)_____ सन्ति। अत्र
एकः (vi)_____ अस्ति यत्र स्वादिष्टं भोजनं प्राप्यते। भोजनालयेन सह एकं सार्वजनिकं स्थानं
अस्ति। यत्र संगणककक्षः क्रीडाकक्षः (vii)_____ च विराजन्ते। छात्रावासे (viii)_____ मध्यरात्रिं
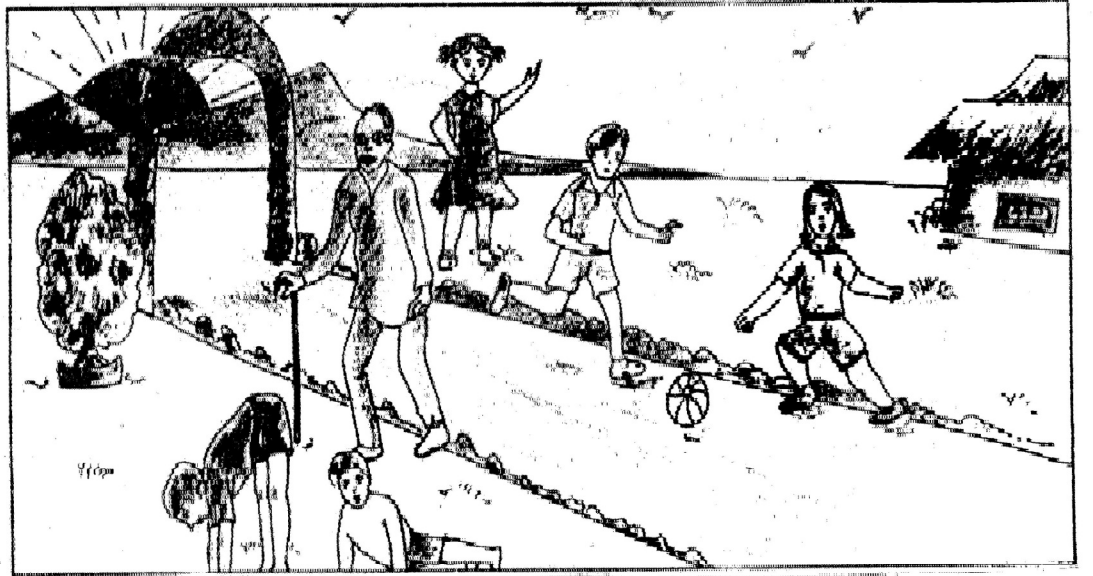यावत् पठन्ति अतः अध्ययनस्य अपि वातावरणं मह्यं लाभकरं भविष्यति। स्वगृहे (ix)_____ मम
नमोनमः।

भवतः (x)_____

क. ख. ग.

प्र3.   अधः प्रदत्तं चित्रम् आधृत्य मञ्जूषायां प्रदत्तशब्दानां सहायतया पञ्चसंस्कृतवाक्यानि लिखत - (5x2=10)

मञ्जूषा

प्रातःकालस्य, जनाः, व्यायामम्, बालाः, वृद्धः, सूर्योदयः, क्रीडन्ति, उद्यानस्य,
कुरुतः, द्वौ बालकौ, कन्दुकेन, भवति, उड्डयन्ति, कुटीरं, पर्वतः, वृक्षाः, खगाः

(B-2)

प्र4. मञ्जूषायां दत्तैः अव्ययपदैः वाक्यपूर्तिं कुरुत -   (5x1=5)

मञ्जूषा
बहिः, ह्यः, तीव्रम्, तूष्णीम्, अहर्निशम्

    (i) कक्षायां छात्राः _____ तिष्ठन्ति ।

    (ii) आज्ञां विना _____ मा गच्छ ।

    (iii) अश्वः _____ धावति ।

    (iv) मोहनः _____ ग्रामम् अगच्छत् ।

    (v) परीक्षायां दिवसेषु अहं _____ पठामि ।

प्र5. अधोलिखितवाक्येषु रेखांकितपदेषु सन्धिं सन्धिच्छेदं वा कृत्वा पुनः पूर्णवाक्यं लिखत -   (5x1=5)

    (i) मम विद्यालये अद्य <u>महा ± उत्सवः</u> अस्ति ।

    (ii) अहं <u>शिव ± आलयम्</u> गच्छामि ।

    (iii) महेन्द्रः मम मित्रम् अस्ति ।

    (iv) शीघ्रं उत्तिष्ठ, <u>भानु ± उदयः</u> भवति ।

    (v) मुनीशः ध्यानं करोति ।

प्र6. उचितशब्दरूपैः रिक्तस्थानानि पूरयित्वा वाक्यं पुनः लिखत -   (5x1=5)

    (i) हे _____ ! अहं नमामि । (नदी)

    (ii) **बालकः** _____ रोटिकां खादति । (मधु - तृतीया विभक्तिः, एकवचनम्)

    (iii) **बालकः** _____ जलम् आनयति । (नदी - पञ्चमी विभक्तिः, एकवचनम्)

    (iv) _____ बालकस्य माता गृहे नास्ति । (तद् - पुंल्लिंग)

    (v) नृपः _____ धनं यच्छति । (कवि - चतुर्थी विभक्तिः, एकवचनम्)

प्र7. उचितधातुरूपैः **रिक्तस्थानानि** पूरयित्वा वाक्यं पुनः लिखत -   (5x1=5)

    (i) नगरे जनाः _____ । (वस्)

    (ii) श्वः सर्वे छात्राः चलचित्रं _____ । (दृश्)

    (iii) त्वं जलं _____ । (पा)

    (iv) चौरः ह्यः धनं _____ । (चुर्)

    (v) वयं कार्यक्रमं न _____ । (दृश्)

प्र8. निम्नवाक्यानि शुद्धं कृत्वा पुनः लिखत -   (5x1=5)

    (i) वृक्षे कृष्णम् काकः अस्ति ।

    (ii) तत्र नरौ भ्रमति ।

    (iii) सः योग्या बालिका अस्ति ।

(iv) आवाम् पाठं पठथ।

(v) श्व अहं विद्यालयं न गच्छामि।

खण्डः 'घ' (पठित-अवबोधनम्)

(5)

प्र9. अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि लिखत -

एवं काष्ठदण्डे लम्बमानं कूर्मं गोपालकाः अपश्यन्। पश्चाद् अधावन् अवदन् च - "हंहो! महदाश्चर्यम्। हंसाभ्यां सह कूर्मोऽपि उड्डीयते।" कश्चित् वदति - "यद्ययं कूर्मः कथमपि निपतति तदा अत्रैव पक्त्वा खादिष्यामि।" अपरः अवदत् - "सरस्तीरे दग्ध्वा खादिष्यामि।" अन्यः अकथयत् - "गृहं नीत्वा भक्षयिष्यामि" इति। तेषां तद् वचनं श्रुत्वा कूर्मः क्रुद्धः जातः। मित्राभ्यां दत्तं वचनं विस्मृत्य सः अवदत् - "यूयं भस्म खादत।" कूर्मः दण्डात् भूमौ पतितः। गोपालकैः सः मारितः।

(2x½=1)

I. एकपदेन उत्तरत -

(i) लम्बमानं कूर्मं दृष्ट्वा के अधावन्?

(ii) कूर्मः दण्डात् कुत्र पतितः?

(2x1=2)

II. पूर्णवाक्येन उत्तरत -

(i) लम्बमानं कूर्मं दृष्ट्वा गोपालकाः किम् अवदन्?

(ii) कूर्मः मित्रयोः वचनं विस्मृत्य किम् अवदत्?

(4x½=2)

III. निर्देशानुसारम् उत्तरत -

(i) 'अपरः' अस्य किम् पर्यायपदम् अत्र प्रयुक्तम्?

(ii) 'दत्तं वचनं' अनयोः पदयोः विशेषणपदं किम् अस्ति?

(iii) 'अवदत्' क्रियापदस्य कर्तृपदं किम् अस्ति?

(iv) 'खादिष्यामि' इत्यर्थे कः शब्दः अत्र प्रयुक्तः?

(5)

प्र10. अधोलिखितं पद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि लिखत -

पृथिव्यां त्रीणि रत्नानि जलमन्नं सुभाषितम्।

मूढैः पाषाणखण्डेषु रत्नसंज्ञा विधीयते॥

(2x1=2)

I. एकपदेन उत्तरत -

(i) मूढैः कुत्र रत्नसंज्ञा विधीयते?

(ii) पृथिव्यां कति रत्नानि सन्ति?

(1x2=2)

II. पूर्णवाक्येन उत्तरत -

पृथिव्यां कानि रत्नानि सन्ति?

(2x½=1)

III. निर्देशानुसारम् उत्तरत -

(i) 'विद्वद्भिः' अस्य पदस्य किम् विलोमपदम् अत्र प्रयुक्तम्?

(ii) 'वसुन्धरायाम्' अस्य किं पर्यायपदम् अत्र प्रयुक्तम्?

(B-4)

प्र11. अधोलिखितं नाट्यांशं पठित्वा प्रदत्तप्रश्नानां उत्तराणि लिखत –   (5)

न्वालकः – अलं कोलाहलेन। अद्य परं हर्षस्य अवसरः, यत् अस्मिन् कविसम्मेलने काव्यहन्तारः कालयापकाश्च भारतस्य हास्यकविधुरन्धराः समागताः सन्ति। एहि, करतलध्वनिना वयं एतेषां स्वागतं कुर्मः।

यज्ञाधरः – सर्वेभ्योऽरसिकेभ्यो नमो नमः। प्रथमं तावद् अहम् आधुनिकं वैद्यम् उद्दिश्य स्वकीयं काव्यं श्रावयामि –

वैद्यराज! नमस्तुभ्यं यमराजसहोदर।

यमस्तु हरति प्राणान् वैद्यः प्राणान् धनानि च ॥

(सर्वे उच्चैः हसन्ति)

I. एकपदेन उत्तरत –   (2x½=1)

    (i) कः प्राणान् धनानि च हरति?

    (ii) के उच्चैः हसन्ति?

II. पूर्णवाक्येन उत्तरत –   (2x1=2)

    (i) कविसम्मेलने के समागताः सन्ति?

    (ii) प्रथमम् अहं कम् उद्दिश्य स्वकीयं काव्यं श्रावयामि?

III. निर्देशानुसारम् उत्तरत –   (4x½=2)

    (i) 'प्रसन्नतायाः' अस्य किं पर्यायपदम् अत्र प्रयुक्तम्?

    (ii) 'आधुनिकं वैद्यम्' अनयोः पदयोः विशेषणपदम् किम् अस्ति?

    (iii) 'श्रावयामि' क्रियापदस्य कर्तृपदम् किम् अस्ति?

    (iv) 'परकीयम्' अस्य किं विलोमपदम् अत्र प्रयुक्तम्?

प्र12. अधोलिखितश्लोकस्य अन्वयम् उचितक्रमेण पूरयित्वा उत्तरपुस्तिकायां पुनः लिखत –   (4x1=4)

शुक्रश्चन्द्र सूर्यो गुरुरिति

ग्रहान् हि सर्वान् गणयाम।

विविधाः सुन्दरताराश्चित्वा

मौक्तिकहारं रचयाम ॥

अन्वयः – शुक्रः (i)_____ सूर्यः गुरुः इति हि सर्वान् (ii)_____ गणयाम। विविधाः सुन्दरताराः

    (iii)_____ मौक्तिकहारं (iv)_____ ।

प्र13. अधोलिखितवाक्येषु रेखांकितपदानि आधृत्य प्रश्ननिर्माणं कुरुत –   (4x1=4)

    (i) सत्येन वायुः वाति।

    (ii) अधुना अहं स्वकार्याणि स्वयमेव करिष्यामि।

    (iii) लोके क्षमा वशीकृतिः।

    (iv) शरीरस्य पोषणं सर्वथा उचितमेव।

प्र14. अधोलिखितबाक्यानि घटनाक्रमानुसारेण पुनः लिखत - $\quad$ (8x½=4)

 (i) एकदा श्रीकण्ठः कृष्णमूर्तेः गृहम् अगच्छत् ।

 (ii) स्वावलम्बी कृष्णमूर्तिः अवदत् - मम गृहे अपि अष्ट कर्मकराः सन्ति ।

 (iii) कृष्णमूर्तिः श्रीकण्ठः च मित्रे आस्ताम् ।

 (iv) स्वावलम्बने सर्वदा सुखमेव भवति कदापि कष्टं न भवति ।

 (v) श्रीकण्ठः अवदत् - अहं भवताम् आतिथ्येन सन्तुष्टः अस्मि ।

 (vi) श्रीकण्ठस्य पिता समृद्धः आसीत् ।

 (vii) कृष्णमूर्तिः तस्य माता पिता च स्वशक्त्या श्रीकण्ठस्य आतिथ्यम् अकुर्वन् ।

 (viii) परं कृष्णमूर्तेः पिता कृषकः आसीत् ।

प्र15. अर्थैः सह शब्दानाम् मेलनं कृत्वा उत्तरपुस्तिकायाम् पुनः लिखत - $\quad$ (6x½=3)

शब्दाः	अर्थाः
विपुले	लब्ध्वा
प्राप्य	पवनः
अम्बुदः	विस्तृते
भृत्यः	सदनम्
गृहम्	जलदः
वायुः	सेवकः

CLASS : VII

SUBJECT : SOCIAL SCIENCE

Time : 3 hrs

MM : 80

General Instructions :

(i) Read all the questions carefully and number the answers according to the questions.

(ii) Questions carrying 1 mark should be answered in one sentence.

(iii) Questions carrying 3 marks should be answered within 60-80 words.

(iv) Questions carrying 5 marks should be answered within 80-100 words.

(v) Attach the maps properly to the main sheet.

Q1. Answer the following questions in one sentence each:

(6x1=6)

(i) Who was the founder of Islam?

(ii) Name the ruler who introduced token coins in his empire.

(iii) Define barter system.

(iv) Which instrument is used to measure rainfall?

(v) What is Civil Rights Movement?

(vi) In which state was the midday meal scheme first introduced?

Q2. 'To improve the collection of revenue, Akbar undertook some major land reforms for the stability of his empire'. Explain.

(3)

(1)

Q3. Write a short note on the first Battle of Panipat. (3)

Q4. Who were muqtis? What were their main duties?

(_+2=3)

Q5. Explain the military reforms undertaken by Alauddin Khalji in his empire. (3)

Q6. Distinguish between intrusive and extrusive igneous rocks. (3)

Q7. Define rock. List any two uses of rocks. (1+2=3)

Q8. What is atmosphere? Write its importance. (1+2=3)

Q9. Briefly describe the three types of wind. (3)

Q10. Why are public health services called public? (3)

Q11. Compare and list the difference between the work of an MLA and that of the government departments. (3)

Q12. State any three problems people face in private hospitals. (3)

Q13. What are jatis? How were the affairs of the jatis regulated? (1+4=5)

Q14. Briefly explain the major developments made by the Cholas in the field of agriculture during the medieval period. (5)

Q15. This is the solid crust or the hard top layer of the earth. Identify the layer and write its features. (1+4=5)

Q.16 What is as Earthquake? Name the instrument and scale used for measuring an Earthquake. List the measures that should be taken at the time of an Earthquake. $(1 + \frac{1}{2} + \frac{1}{2} + 3)$

Q.17 How did some MLA's become minister? What is the role of the opposition party in the government. (3+2)

Q18. (i) Explain the following terms :

   (a) Double burden

   (b) De-valued

   (ii) List the distinctions our society makes between boys and girls. (1+1+3=5)

Q19. Define equality. Write the provisions of Right to Equality provided by the Indian Constitution.

(1+4=5)

Q20. Attempt the following maps :

   (a) On the provided political map of India, name and mark the following : (3x1=3)

   (i) Capital of Prithviraj Chauhan

   (ii) Old capital of Mughal

   (iii) Town built by Chola dynasty

   (b) On the provided political map of the world, name and mark the following : (3x1=3)

   (i) Country with the deepest mine

   (ii) Country with large deposits of loess

   (iii) Highest waterfall in South America

CLASS : VII

SUBJECT : MATHEMATICS

Time : 3 hrs   MM : 80

General Instructions :

(i)   *All questions are compulsory.*

(ii) *Read all questions very carefully.*

(iii) *Questions 1 to 10 carry 1 mark each.*

(iv) *Questions 11 to 18 carry 2 marks each.*

(v)   *Questions 19 to 28 carry 3 marks each.*

(vi) *Questions 29 to 34 carry 4 marks each.*

Q1.   Write a pair of negative integers whose sum is (–17).

Q2.   State the number of lines of symmetry in a regular hexagon.

Q3.   Write $\dfrac{-7}{49}$ in simplest form.

Q4.   In the given figure, solve for x.
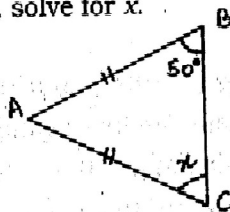
Q5.   Find the height of the given triangle if the area is 12 cm².
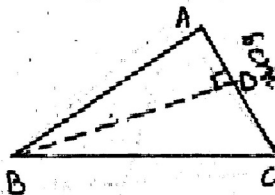
Q6.   Find the product : (–3) × 4 × (–1)

Q7.   Calculate the area of a circle with radius 35 mm.

Q8.   Solve : 1.709 × 100

(1)
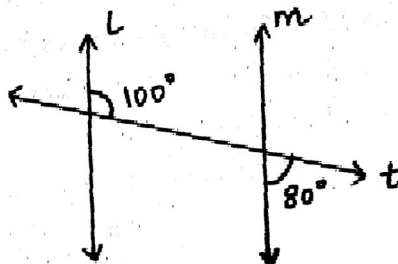
Q9. Write the angle which is equal to its complement.

Q10. In ΔABC, S is the mid point. Name an altitude in the given triangle.

Q11. Use the sign of >, < or = in the box to make the statement true.

$$-13 + 7 - (-13) \ \boxed{} \ 15 - (-8) - 16$$

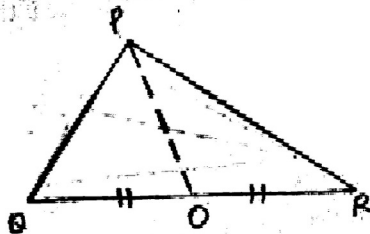Q12. In the given figure, check whether l is parallel to m.

Q13. Multiply and express as a mixed fraction :

$$3\frac{1}{5} \times \frac{2}{3}$$

Q14. After rotating by 120° about the centre, a figure looks exactly the same as its original position. At what other angles will this happen in the figure?

Q15. In ΔPQR, QO = OR. Prove that PQ + QR + PR > 2PO.

Q16. Draw the number line and represent $\dfrac{-3}{7}$ on it.

(2)

Q17. Anurag wants to fence a circular garden of diameter 42m. Find the length of the wire he needs to purchase, if he makes three rounds of fence.

Q18. Write any two letters of the English alphabet which have reflectional symmetry about :

(a)   a horizontal mirror   (b)   a vertical mirror

Q19. In a class test containing 15 questions, 4 marks are given for every correct answer and (–2) are given for every incorrect answer.

(a)   Gagan attempts all questions but 11 of his answers are correct. What is his total score?

(b)   Namita gets only 7 answers correct and rest are incorrect. What will be her score?

Q20. Convert 130cm into m and km.

Q21. In the given figure, a ∥ b and c is a transversal. Find the measure of x, y and z.
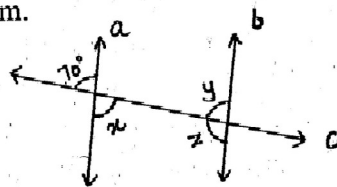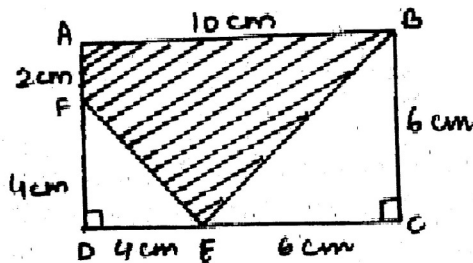
Q22. Find the value of :

(a) $\dfrac{9}{11} + \left(\dfrac{-7}{22}\right)$

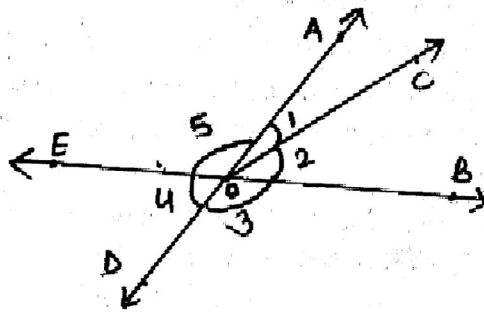(b) $\left(\dfrac{-6}{7}\right) \div \dfrac{42}{35}$

Q23. In the given figure, find the area of the shaded portion.

Q24. A truck covers a distance of 13.31 km in 1.1 hours. What is the distance covered by it in 1 hour?
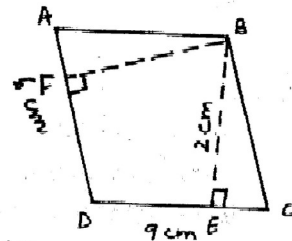
(3)

Q25. In the given figure -

(a) Is $\angle 1$ adjacent to $\angle 2$? Give reason.

(b) Identify a pair of supplementary angles.
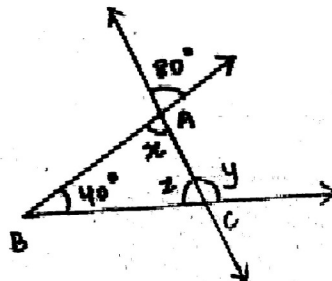
(c) Which is the vertically oppsite angle to $\angle 3$?

Q26. The two sides of the parallelogram ABCD are 6cm and 9cm. The height BE to the base CD is 2cm. Find the

(a) area of the parallelogram

(b) the height BF to the base AD.

Q27. Determine the values of x, y and z in the given figure.

Q28. Determine whether the triangle whose lengths of sides are 10cm, 11cm and 12cm is a right-angled triangle or not.
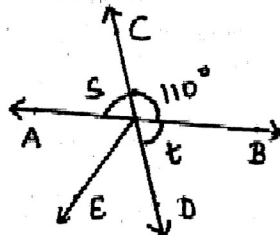
Q29. (a) Find the product, using suitable property :

$131 \times (-15) + 85 \times (-131)$

(4)

(b) Evaluate : $[(-15) \div 3] + [(-18) \div (-6)]$

Q30. (a) Karan bought vegetables weighing $\dfrac{19}{2}$ kg. Out of this, $4\dfrac{3}{4}$ kg is spinach and $3\dfrac{1}{2}$ kg is peas. What is the weight of the remaining cabbage?

(b) Write one benefit of eating green vegetables.

Q31. (a) Find the values of the angles s and t in the given figure.

(b) Write the angle of rotation and the order of rotation for the following figures :

(i) An equilateral triangle

(ii) A semi-circle

Q32. Write the following rational numbers in ascending order:

$$\dfrac{7}{3}, \dfrac{-2}{9}, \dfrac{-11}{18}, \dfrac{-5}{6}$$

Q33. A rectangular park is 50m long and 30m wide. A path 3m wide is constructed inside the park. Find the area of the path.

Q34. Find the perimeter of the rectangle whose length is 15cm and diagonal is 17cm.

(5)

CLASS : VII

SUBJECT : ENGLISH

Time : 3 hrs   MM : 80

General Instructions :

(i)   Read the questions carefully.

(ii)   Number the answers as given in the question paper.

(iii) Write in a neat and clear handwriting.

(iv)   Write the answers in complete sentences.

SECTION-A (READING)

Q1.   Read the passage given below and answer the questions that follow :   (7)

Einstein is the man whose name everyone recognizes even if they don't understand his theories. In fact, Einstein is usually referred to as 'Einstein the genius'. With such a build up, it isn't surprising that most of us should feel intimidated at the thought of reading, let alone understanding, Einstein's work.

But Einstein was as human as all of us and had several faults and weaknesses. He made no bones about the fact that he was not very good at mathematics. In fact, a silly mistake on his part was responsible for his not noticing that the universe was expanding. He had by oversight, divided a large number with zero and failed to realize this fact! For this reason, he usually had a mathematician with him, whose job was to examine the problems Einstein put before him and check their validity.

What was Einstein's contribution to the world of science? The first of these was the 'Theory of Relativity'. According to Einstein, neither space nor time is fixed. His second most important contribution was mass-energy equivalence formula that he had developed.

But in Einstein's opinion his greatest idea after the theory of relativity was to add an egg while cooking soup. How would it help in the world of science? It would not. But it would help him get a soft-boiled egg to eat, without the trouble caused by having an extra pot to wash.

The world was rightly impressed by Einstein's brilliance and came up with different ways to honour him. A church in the US planned to put up statues of eight most famous scientists and wished to include Einstein.

Einstein was born in Germany and was a professor at Berlin Academy of Science. He was visiting the US in 1933 when Hitler came to power and Einstein, anticipating problems, stayed on in the US and became a citizen. His contributions to science

(B-1)

are used and appreciated by scientists and students all over the world, making him a perfect candidate for world citizenship.

(a) Who checked the validity of Einstein's work? (1)

(b) What are the two major scientific contributions that Einstein made? (2)

(c) How did a church in the US honour him? (1)

(d) What makes Einstein a perfect candidate for world citizenship? (1)

(e) Einstein was born in _____ and later on became the citizen of _____.

(½x2=1)

(f) Find the words from the passage which mean the same as given below :

(½x2=1)

(i) frightened   (ii) act in advance

Q2. Read the poem given below and answer the questions that follow : (6)

A mother's love is something
that no one can explain,
It is made of deep devotion
and of sacrifice and pain,

It is endless and unselfish
and enduring come what may
For nothing can destroy it
or take that love away.

It is patient and forgiving
when all others are forsaking
And it never fails or falters
even though the heart is breaking

It believes beyond believing
When the world around condemns,
And it glows with all the beauty
of the rarest, brightest gems.

It is far beyond defining
it defies all explanation
And it still remains a secret
like the mysteries of creation.

A many splendored miracle
man cannot understand
And another wondrous evidence
of God's tender guiding hand.

(a) What is made of deep devotion and can't be explained? (1)

(b) Why can't a mother's love be destroyed? (1)

(c) Why is the mother's love compared to the brightest gems? (1)

(d) Suggest a suitable title to the given poem.

(e) Complete the sentence : (1)

Even though the heart is breaking, a mother's love _____.

(f) Find suitable words from the poem which mean the same as given below :

(½x2=1)

(i) great love or loyalty   (ii) express strong disapproval

SECTION-B (WRITING)

Q3. A new mobile phone is going to be launched in the market. Draft an advertisement announcing its date of launch and special inaugural offers. (4)

Q4. Arti had the following conversation mentioned below, with her friend Veena's dance teacher, Mrs. Meenakshi. Since she was going to the market soon afterwards, she leaves a message for Veena. Read the conversation and write out the message in 30 words. (4)

Mrs. Meenakshi : Hello, this is Meenakshi speaking. Could I please speak to Veena?

Arti : I think Veena has just left for the library.

Mrs. Meenakshi : When is she likely to come back?

Arti : In about two hours. Could I give her a message?

Mrs. Meenakshi : Yes, please. Could you please tell her that there won't be a dance class today, but there will be a class tomorrow at 5.30 p.m.? She should bring extra tiffin with her, as the class will be for two hours. In addition, she should bring her costume for the show. Will you please convey the message to her?

Arti : Sure. I will do that.

Q5. You are Mohak/Mohita. Write a letter to your father describing your visit to Nainital with your friends in the vacation. (6)

SECTION-C (GRAMMAR)

Q6. Identify the type of sentence and write it in the given blank : (4x½=2)

(a) Self confidence is the key to success. _____

(b) How merry the sparkling and dancing waves look in the morning! _____

(c) Why has modern man become so impatient? _____

(d) Please explain the metaphor in the last two lines. _____

Q7. Form abstract nouns from the words given in the brackets and complete the sentences: (4x½=2)

(a) Ruskin Bond has written many stories about his _____. (child)

(b) Anuj was awarded for his act of _____ by the Principal of his school. (brave)

(c) Krishna and Sudama set an example of true _____ for all ages. (friend)

(d) The teacher said that the deficiency of vitamin A causes night _____. (blind)

Q8. Fill in the blanks with the plural forms of the words given in brackets : (4x½=2)

(a) Mrs. Sharma's _____ visited a dentist to get their _____ examined. (daughter/tooth)

(b) The _____ enjoyed both the _____ that were being played between India and Pakistan. (man/match)

Q9. Join the following pairs of sentences by using suitable relative pronouns : (2x1=2)

(a) These are the men. They fought for their country's freedom.

(b) The train has already left. We wanted to catch it.

Q10. Choose the right option from the bracket and complete the sentences : (4x½=2)

(a) Do you mind if I ask you a _____ questions? (much, few, little)

(b) We'll have to hurry. We haven't got _____ time. (few, many, much)

(c) This is an ancient city. There are _____ old buildings. (many, much, little)

(d) Please get me a new bottle of honey as there is a _____ honey left in the old one. (few, many, little)

Q11. Fill in the blanks with suitable articles : (4x½=2)

Garibaldi was _____ Italian General. He was not only _____ great military leader but also took personal interest in _____ welfare of all _____ people.

Q12. Fill in the blanks with the suitable modal verbs : (4x½=2)

(a) I looked everywhere for the book, but I _____ not find it.

(b) You've been travelling all day. You _____ be tired.

(c) Take an umbrella with you when you go out. It _____ rain later.

(d) Diana _____ pass the exam. She has been studying very hard.

Q13. Rearrange the given words to make meaningful sentences : (3x1=3)

(a) important / it / is / to / observe / rules / traffic

(B-4)

(b)   not / children / below / of / the / age /must / drive / eighteen / years

(c)   protection / our / we / must / helmets / own / wear / for

Q14. Complete the given passage by using the suitable verb forms of the words given in brackets :   (6x½=3)

I _____ (step) out of my house and began _____ (walk) along the street when I _____ (hear) footsteps behind me. Somebody _____ (follow) me. I was scared and I _____ (start) to run. Suddenly I _____ (see) a police van coming towards me.

SECTION-D (LITERATURE)

Q15. Read the extracts given below and answer the questions that follow :

(A)   Took the face-cloth from the face;
       Yet she neither moved nor wept.   (3x1=3)

   (a)   Name the poem and the poet of the above lines.

   (b)   Who removed the face-cloth from the warrior's face?

   (c)   What was the reaction of the warrior's wife?

(B)   "I live nearby. You can bring it to my house".
       "I'm sorry sir, but that is not possible."   (3x1=3)

   (a)   Who is the speaker and the listener in the first line?

   (b)   What does the word 'it' refer to?

   (c)   Why is it not possible to take 'it' to the speaker's house?

Q16. Answer any THREE out of FOUR questions in 30-40 words each :   (3x2=6)

   (a)   On the eventful day, Mr. Rowland's friend was expected to visit him. Who was his friend and why was he expected to come?

   (b)   Framton considered Vera's story to be true. Do you agree? Why/Why not?

   (c)   How was the world of painting different from the real world for Manjula?

   (d)   In the lesson 'Dal Delight', what did Sadiq do when he saw the nawab engrossed in flying kites?

Q17. Answer any TWO out of THREE questions in 30-40 words each :   (2x2=4)

   (a)   In the poem, 'No Men Are Foreign', what does the phrase 'hells of fire and dust' refer to? What happens when people hate one another?

   (b)   When the little boys, in the poem 'Somebody's Mother', stepped out of the school, how did they feel and why?

   (c)   Who was called the 'noblest foe' and by whom? Why?

(B-5)

Q18. Answer the following question in 70-80 words : (1x4=4)

The poem 'No Men Are Foreign' conveys a beautiful theme that the wars between countries cause destruction and are futile. Explain the theme in your own words.

OR

The old lady was full of noble thoughts for the little boy who had helped her cross the road. Elaborate the given statement with reference to the poem 'Somebody's Mother'.

Q19. Answer the following question in 80-100 words : (1x5=5)

Manjula's father was not hopeful about her success as a painter whereas the love and encouragement of her mother helped her to become confident and self-reliant. Justify the above statement with reference to the lesson 'Fight, Manju, Fight!'

OR

Imagine you are Mr. Framton. Write a diary entry describing your experience and feelings when you visited Mrs. Sappleton's house.

Q20. Answer the following question in 50-60 words : (1x3=3)

The blind man returned to the inn but Jim and his mother had already left. Who accompanied the blindman and why did they go to the inn?

Q21. Answer the following question in 80-100 words : (1x5=5)

Why did Jim's mother want the key to the sea chest? What did she do after they had found the key and opened the chest?

OR

What arrangements were made by Squire Trelawney before they started the voyage?