

ANNUAL EXAMINATION

2/2018

CLASS : XI

SUBJECT : MATHEMATICS (SET-II)

Time : 3 Hrs.

M.M.: 100

General Instructions :

- (i) All questions are compulsory.
- (ii) The question paper consists of 29 questions divided into four sections A, B, C and D. Section-A comprises of 4 questions of 1 mark each, Section-B comprises of 8 questions of 2 marks each, Section-C comprises of 11 questions of 4 marks each and Section-D comprises of 6 questions of 6 marks each.
- (iii) Use of calculators is not allowed.

SECTION-A

- Q1. Find modulus and argument of $1 + i\sqrt{3}$
- Q2. Which term of the sequence $2, 2\sqrt{2}, 4, \dots$ is 8?
- Q3. Find the value of k for which the line $(k - 3)x - (4 - k^2)y + k^2 - 7k + 6 = 0$ is parallel to the x -axis
- Q4. If a relation $R = \{(0, 0), (2, 4), (-1, -2), (3, 6), (1, 2)\}$, then represent R by an arrow diagram.

SECTION-B

- Q5. Find the derivative of $f(x) = x^2 - 2$ using first principle.
- Q6. Find the sum to infinity of the G.P. :
 $6, 1.2, 0.24, \dots$
- Q7. A point R with x -coordinate 4 lies on the line segment joining the points $P(2, -3, 4)$ and $Q(8, 0, 10)$. Find the ratio in which R divides PQ .
- Q8. Find the centre and radius of the circle :
 $x^2 + y^2 - 8x + 10y - 12 = 0$
- Q9. Reduce $x - \sqrt{3}y + 8 = 0$ to normal form and find its perpendicular distance from the origin and the angle between perpendicular and positive direction of x -axis.

Q10. Solve for x : $1 + 4 + 7 + 10 + \dots + x = 590$

Q11. Find the radius of the circle in which a central angle of 60° intercepts an arc of 37.4 cm length. (use $\pi = \frac{22}{7}$)

Q12. Find the middle term of $\left(2x - \frac{x^2}{4}\right)^9$

SECTION-C

Q13. Using PMI, prove that

$$\frac{1}{1.2.3} + \frac{1}{2.3.4} + \frac{1}{3.4.5} + \dots + \frac{1}{n(n+1)(n+2)} = \frac{n(n+3)}{4(n+1)(n+2)}$$

for all natural numbers n .

Q14. Find n , if the ratio of the fifth term from the beginning to the fifth term from the end in the expansion of $\left(\sqrt[3]{2} + \frac{1}{\sqrt[3]{3}}\right)^n$ is $\sqrt{6}:1$

OR

The coefficients of 5^{th} , 6^{th} and 7^{th} terms in the expansion of $(1+x)^n$ are in A.P. Find the value of n .

Q15. If $U = \{1, 2, 3, \dots, 15\}$, $A = \{3, 6, 9, 12, 15\}$, $B = \{1, 2, 3, 4, 5\}$ and $C = \{2, 4, 6, 8, 10, 12, 14\}$ then find -

(a) $(A \cup B)'$ (ii) $(B \cap C) \cup A$

Q16. Express in the form $a + ib$: $\left(\frac{1}{1-4i} - \frac{2}{1+i}\right)\left(\frac{3-4i}{5+i}\right)$

Q17. Find the distance of the point $(1, 2)$ from the straight line with slope 5 and passing through the point of intersection of the lines $x + 2y = 5$ and $x - 3y = 7$.

OR

Find the equation of the line midway between the parallel lines $9x + 6y - 7 = 0$ and $3x + 2y + 6 = 0$

Q18. Show that the points $A(3, 3, 3)$, $B(0, 6, 3)$, $C(1, 7, 7)$ and $D(4, 4, 7)$ are the vertices of a square.

Q19. Evaluate : $\lim_{x \rightarrow 0} \frac{\tan x - \sin x}{\sin^3 x}$

Q20. Solve the following system of inequalities simultaneously :

$$3y - 2x \leq 4, \quad x + y \geq 0, \quad y \leq 4, \quad x \geq 0$$

Q21. Define Signum function. Write its domain and range. Also draw its graph.

Q22. Three married couples are to be seated. In a row having 6 seats in a cinema hall. If spouses are to be seated next to each other, in how many ways can they be seated? Find also the number of ways of their seating if all the ladies sit together.

OR

Find the number of ways of choosing a committee from four men and six women so that the committee includes atleast two men and exactly twice as many women as men.

Q23. Find the equation of the hyperbola if its foci are $(\pm 3\sqrt{5}, 0)$ and the length of the latus rectum is 8.

SECTION-D

Q24. Show that the equation of the line passing through the origin and making an angle θ with the line $y = mx + c$ is

$$\frac{y}{x} = \frac{m \pm \tan \theta}{1 \mp m \tan \theta}$$

Q25. Find the derivatives of the following functions with respect to x :

(a) $\frac{\sec x + \tan x}{\sec x - \tan x}$

(b) $(x^2 - 3x + 2)(x + 2)$

Q26. From the data given below, find which group is more variable A or B

Classes	0-10	10-20	20-30	30-40	40-50
Frequency	5	8	15	16	6

For group B, $\bar{x} = 62$ and standard deviation is 14.2

Q27. Find the sum to n terms in terms of n of the series :
 $1^2 + 3^2 + 5^2 + \dots + (2n-1)^2$

OR

In an increasing A.P. the sum of the first and last term is 68. The product of the second and second last term is 128. If the sum of the series is 126, find the number of terms in the series.

Q28. (a) Prove that : $4\cos 12^\circ \cdot \cos 48^\circ \cdot \cos 72^\circ = \cos 36^\circ$

(b) Evaluate : $\cos \frac{\pi}{12} \cos \frac{\pi}{4} - \sin \frac{\pi}{12} \sin \frac{\pi}{4}$ (4+2=6)

OR

(a) If $0 \leq x \leq 2\pi$, find $\sin \frac{x}{2}$, $\cos \frac{x}{2}$ and $\tan \frac{x}{2}$, when

$\sin x = \frac{-1}{2}$, x lies in quadrant IV.

(b) Prove that : $\cos 4x = 8\cos^4 x - 8\cos^2 x + 1$ (4+2=6)

Q29. (i) In a single throws of two dice, what is the probability of getting (a) a total of 9 or 11? (b) a multiple of 2 on 1st die and a multiple of 3 on 2nd die?

(ii) In a certain city, the probability of not reading the morning newspaper by the residents is $\frac{1}{2}$ and that

of not reading the evening newspaper is $\frac{2}{5}$. The

probability of reading both the newspaper is $\frac{1}{3}$. Find

the probability that a resident reads either morning or evening newspaper. Justify the statement "Reading newspaper is good habit".

CLASS : XI

SUBJECT : MATHEMATICS (SET-I)

Time : 3 Hrs.

M.M.: 100

General Instructions :

- (i) All questions are compulsory.
- (ii) The question paper consists of 29 questions divided into four sections A, B, C and D. Section-A comprises of 4 questions of 1 mark each, Section-B comprises of 8 questions of 2 marks each, Section-C comprises of 11 questions of 4 marks each and Section-D comprises of 6 questions of 6 marks each.
- (iii) Use of calculators is not allowed.

SECTION-A

- Q1. Let N be the set of natural numbers and let relation be given by $R = \{(x, y) : x + 2y = 0, x, y \in N\}$. Is R a relation on N ? Give reasons.
- Q2. Find the conjugate of $(\sqrt{5} - i)^2$.
- Q3. Find the equation of the line which cuts off an intercept of -5 on y -axis and has slope of $\frac{1}{2}$.
- Q4. Find the value of k for which $\frac{-2}{7}$, k , $\frac{-7}{2}$ are in G.P.

SECTION-B

- Q5. Find the positive value of m for which the coefficient of x^2 in the expansion of $(1 + x)^m$ is 6.
- Q6. Find the ratio in which the line joining the points $(4, 4, -10)$ and $(-2, 2, 4)$ is divided by XY -plane.
- Q7. Find the derivative of $\frac{5ax}{ax^2 + b}$

(1)

Q8. Find the sum to infinity of the G.P.

5, 20/7, 80/49,

Q9. If the lines $3x + y - 2 = 0$, $px + 2y - 3 = 0$ and $2x - y - 3 = 0$ are concurrent, find the value of p .

Q10. Prove that
$$\frac{\tan\left(\frac{\pi}{4} + x\right)}{\tan\left(\frac{\pi}{4} - x\right)} = \left(\frac{1 + \tan x}{1 - \tan x}\right)^2$$

Q11. How many terms of the A.P. 17, 15, 13, must be taken so that the sum is 72?

Q12. Find the equation of hyperbola with foci at $(0, \pm 4)$ and length of transverse axis is 6. Also find length of conjugate axis.

SECTION-C

Q13. There are 10 points in a plane of which 4 points are collinear. Find -

- (i) the number of triangles which can be formed
- (ii) the number of lines which can be formed.

OR

In how many ways, can be the letters of the word PERMUTATIONS be arranged, if the

- (i) word starts with P and ends with S?
- (ii) vowels are all together?

Q14. Solve the following system of inequalities graphically:

$$2x + y \geq 4, \quad x + y \leq 3, \quad 2x - 3y \leq 6$$

Q15. Is $g = \{(1, 1), (2, 3), (3, 5), (4, 7)\}$ a function? Justify. If this is described by the relation $g(x) = ax + b$, then what value should be assigned to a and b ?

Q16. Find the square root of $8 - 15i$

Q17. Using PMI, prove that

$$\frac{1}{2.5} + \frac{1}{5.8} + \dots + \frac{1}{(3n-1)(3n+2)} = \frac{n}{6n+4}$$

for all $n \in \mathbb{N}$.

Q18. If the coefficients of 2^{nd} , 3^{rd} and 4^{th} terms in the expansion of $(1+x)^{2n}$ are in A.P. then find the value of n .

OR

Find the ratio of the coefficient of x^{15} to the term

independent of x in the expansion of $\left(x^2 + \frac{2}{x}\right)^{15}$

Q19. Find the equation of the ellipse passing through the point $(6, 4)$, foci on the y -axis, centre at origin and having

eccentricity $\frac{3}{4}$

Q20. Find the equations of the lines through the point of intersection of the lines $x - y + 1 = 0$ and $2x - 3y + 5 = 0$

and whose distance from the point $(3, 2)$ is $\frac{7}{5}$ units.

OR

Find the equations of the lines which pass through the point $(4, 5)$ and make equal angles with the lines $5x - 12y + 6 = 0$ and $3x - 4y - 7 = 0$

Q21. Let $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, $A = \{1, 2, 3, 4\}$, $B = \{2, 4, 6, 8\}$ and $C = \{3, 4, 5, 6\}$. Find -

(a) $(B - C)'$ (b) $(A \cap C)$

Q22. Show that the points $A(3, 3, 3)$, $B(0, 6, 3)$, $C(1, 7, 7)$ and $D(4, 4, 7)$ are the vertices of a square.

Q23. Evaluate: $\lim_{x \rightarrow 0} \frac{1 - \sqrt{\cos x}}{x^2}$

(3)

SECTION-D

Q24. From the data given below, find which group is more variable A or B

Class Interval	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Group A	9	17	32	33	40	10	9

For group B, $\bar{x} = 44.6$ and standard deviation is 15.6

Q25. In a group of 20 boys and 10 girls, 5 boys and 3 girls are honest. If two persons are selected at random from the group, find the probability that either both are girls or both are honest. Should there be gender discrimination?

Q26. Find the sum of the series : $1^2 + 3^2 + 5^2 + \dots + (2n - 1)^2$

OR

Find four numbers in G.P. such that the sum of the extreme numbers is 112 and the sum of the middle numbers is 48.

Q27. Find the coordinates of the foot and image of perpendicular drawn from the point (1, 2) to the line $x - 3y + 4 = 0$

Q28. Find the derivatives of the following functions with respect to x :

(a) $\frac{x + \sin x}{x + \cos x}$

(b) $(x^2 - 3x + 2)(x + 2)$

Q29. (a) Prove that : $\frac{\sin 5x - 2\sin 3x + \sin x}{\cos 5x - \cos x} = \tan x$

(b) Evaluate : $\sin \frac{7\pi}{12} \cos \frac{\pi}{4} - \cos \frac{7\pi}{12} \sin \frac{\pi}{4}$ (4+2=6)

OR

(a) If $0 \leq x \leq 2\pi$, find $\sin \frac{x}{2}$, $\cos \frac{x}{2}$ and $\tan \frac{x}{2}$, when

$$\tan x = \frac{-4}{3}, x \text{ lies in quadrant II.}$$

(b) Solve : $\tan^3 x - 3\tan x = 0$ (4+2=6)

(4)

Time : 3 hrs.

M.M. : 80

General Instructions :

- (i) All questions in both the sections are compulsory.
- (ii) Marks for questions are indicated against each.
- (iii) Question numbers 1-4 and 13-16 very short answer questions carrying 1 mark each. They are required to be answered in one sentence.
- (iv) Question numbers 5-8 and 17-18 are short answer questions carrying 3 marks each. Answer to them should not normally exceed 60 words each.
- (v) Question numbers 7-9 and 19-21 are also short answer questions carrying 4 marks each. Answer to them should not normally exceed 70 words each.
- (vi) Question numbers 10-12 and 22-24 are long answer questions carrying 8 marks each. Answer to them should not normally exceed 100 words each.
- (vii) Answer should be brief and to the point and the above word limits should be adhered to as far as possible.

SECTION-A (Statistics for Economics)

- Q1. If mode of a series is 30 and median is 20, what would be the value of mean? (choose the correct alternative) (1)
- | | |
|--------|--------|
| (a) 15 | (b) 20 |
| (c) 30 | (d) 60 |
- Q2. The sum of square of the deviations about mean is : (choose the correct alternative) (1)
- | | |
|-------------|-------------------|
| (a) Maximum | (b) Minimum |
| (c) Zero | (d) None of these |
- Q3. Draw a scatter diagram showing perfect positive correlation. (1)

(1)

Q4. Mention any two limitations of index numbers. (1)

Q5. State any three uses of ^{consumer} wholesale price index numbers. (3)

Q6. Draw a pie diagram to represent the following professions in a town : (3)

Professions	Doctors	Lawyers	Teachers	Others
Number	400	300	520	220

OR

Out of total number of 750 people who applied for job in Reliance Industries, 150 were females. Out of total applicants 420 were graduates and other were post graduates. The number of male applicants who were post graduates were 250.

In Jindal Industries, total number of 1,000 people applied for job, out of this 200 were females. Out of total applicants, 400 were post graduates and others were graduates. The total number of male applicants who were post graduates were 300.

Tabulate the above data.

Q7. (a) Calculate mode for the following data :

Class interval	0-10	10-20	20-30	30-40	40-50
Frequency	5	8	12	6	4

(b) The mean of 15 numbers is 12 and the mean of other 45 numbers is 14. Find the mean of 60 numbers taken together. (2+2=4)

Q8. Locate median graphically for the following data : (4)

Marks (mid point)	5	15	25	35	45	55
No. of students	10	15	25	30	10	10

Q9. Calculate the rank correlation coefficient for the following data of marks obtained by 8 students in Economics and Statistics : (4)

Marks in Economics	15	20	25	12	48	60	20	80
Marks in Statistics	40	30	50	70	30	10	30	60

OR

Calculate Karl Pearson's coefficient of correlation from the following data : (Take assumed mean as 18 in X series and assumed mean as 10 in Y series)

X :	12	15	18	21	24	27	30
Y :	6	8	10	12	14	16	18

Q10. (a) Calculate first quartile (Q_1) and third quartile (Q_3) from the following data :

Marks	0-20	20-40	40-60	60-80	80-100
No. of students	15	20	30	15	20

(b) Calculate Mean Deviation from median for the following data :

Variable (X)	5	10	15	20	25
Frequency (f)	4	6	18	10	12

(3+3=6)

Q11. Calculate Arithmetic Mean and Standard Deviation for the following data (Take assumed mean as 75) : (6)

Class interval	40-50	50-60	60-70	70-80	80-90	90-100
Frequency	3	6	12	18	9	2

Q12. (a) Differentiate between census and sampling method of collection data.

(b) Explain three features of statistical data in plural sense. (3+3=6)

OR

(a) Explain the meaning of indirect personal interview method. Discuss its advantages and disadvantages.

(b) Briefly explain the non-random methods of collecting samples.

(3)

SECTION-B (Indian Economic Development)

Q13. Which of the following feature relates to the China's economic development? (Choose the correct alternative) (1)

- (a) very high fertility rate
- (b) growth due to service sector
- (c) growth due to manufacturing sector
- (d) high density of population

Q14. Tick mark the correct statement : (1)

- (a) Diversification of agriculture is essential to provide sustainable livelihood option to rural people.
- (b) organic food has more shelf life.
- (c) Minimum support price is fixed by the government to safeguard the interest of consumers.
- (d) The commercial banks charge exorbitant rates of interest as compared to money lenders.

Q15. Define seasonal unemployment. (1)

Q16. What was the aim of Great Leap Forward campaign initiated by China in 1958? (1)

Q17. Bring out the importance of animal husbandry and fisheries as a source of agricultural diversification. (3)

OR

Explain various measures taken by the government to improve agricultural marketing.

Q18. Why is production possibility curve downward sloping? (3)

Q19. (a) What were the main causes of India's agricultural stagnation during the colonial period? (3)
(b) Indicate the composition and direction of trade at the time of independence. (2+2=4)

Q20. Explain the major features of the Indian industrial development strategy during 1950-1990. (4)

(4)

- Q21. (a) Explain the industrial sector reforms introduced in India since 1991.
- (b) State any two reasons for the introduction of economic reforms in 1991. (4)

OR

The New Economic Policy, 1991 was not able to address the basic problems facing the agriculture sector and industry in India. Give two reasons each for the decline of agriculture and industrial sector in India after the reforms of 1991.

- Q22. (a) Enumerate three causes of poverty in India.
- (b) Argue in favour of the need for different forms of government intervention in education and health sectors. (3+3=6)

OR

- (a) Discuss the growth oriented approach adopted by the government to reduce poverty.
- (b) Explain expenditure on education and health as a source of human capital formation.

- Q23. (a) Explain how 'bank rate' is helpful in controlling credit creation?
- (b) Define money supply. Explain its components. (3+3=6)

- Q24. (a) China's rapid growth can be traced back to its reforms in 1978. Do you agree? Elucidate.
- (b) Describe the path of developmental initiatives taken by Pakistan for its economic development. (3+3=6)

Time : 3 hrs.

M.M. : 80

General Instructions :

- (i) All questions in both the sections are compulsory.
- (ii) Marks for questions are indicated against each.
- (iii) Question numbers 1-4 and 13-16 very short answer questions carrying 1 mark each. They are required to be answered in one sentence.
- (iv) Question numbers 5-6 and 17-18 are short answer questions carrying 3 marks each. Answer to them should not normally exceed 60 words each.
- (v) Question numbers 7-9 and 19-21 are also short answer questions carrying 4 marks each. Answer to them should not normally exceed 70 words each.
- (vi) Question numbers 10-12 and 22-24 are long answer questions carrying 6 marks each. Answer to them should not normally exceed 100 words each.
- (vii) Answer should be brief and to the point and the above word limits should be adhered to as far as possible.

SECTION-A (Statistics for Economics)

- Q1. The correlation between sale of cold drinks and high temperature in summer is : (choose the correct alternative) (1)
- (a) perfect negative
 - (b) positive
 - (c) no correlation
 - (d) low degree of negative correlation
- Q2. Which of the following statement is not true about arithmetic mean? (choose the correct alternative) (1)
- (a) It is based on all observations.
 - (b) It can be determined graphically.
 - (c) It is capable of further algebraic treatment.
 - (d) It is affected by extreme items.

Q3. Define base period. median (1)

Q4. Name the graphical method used to measure ~~dispersion~~ dispersion (1)

Q5. Tabulate the given information (3)

In a given town A, out of a total workforce of 2000 workers, 1200 were employed in the manufacturing sector and the remaining in the tertiary sector. The number of women workers was 900, out of which 550 were employed in the tertiary sector.

In town B, the total number of male workers was 1500, out of this 500 were employed in manufacturing sector. Out of a total of 1000 women workers, 700 were employed in the tertiary sector.

OR

Draw a sub-divided bar diagram for the given data :

Years	Number of workers		
	Firm A	Firm B	Firm C
2015	400	600	200
2016	1200	300	500
2017	850	500	650

Q6. Explain the uses of consumer price index numbers. (3)

Q7. Calculate Karl Pearson's coefficient of correlation from the following data : (Take assumed mean as 6 in X series and assumed mean as 18 in Y series) (4)

X :	2	4	6	8	10	12
Y :	6	12	18	24	30	36

OR

Calculate Spearman's rank correlation between the variables X and Y from the following data :

X :	25	30	38	22	50	70	30	90
Y :	58	40	60	40	88	20	40	78

(2)

- Q8. (a) The mean value of a set of 10 observations was calculated as 60. It was later discovered that two of the entries were misread as 15 and 40 instead of 50 and 14 respectively. Find the correct mean.

- (b) Calculate mode of the following series :

Wages (in ₹)	100-200	200-300	300-400	400-500	500-600	600-700
No. of workers	5	13	20	32	20	5

(2+2=4)

- Q9. Locate median graphically for the following data : (4)

Price level (in ₹)	10-19	20-29	30-39	40-49	50-59	60-69
No. of commodities	12	19	20	21	15	13

- Q10. (a) What is meant by direct personal investigation? Give its merits and demerits.

- (b) Briefly explain the technique of stratified random sampling with the help of an example. (3+3=6)

OR

- (a) Explain any three functions of statistics.

- (b) Distinguish between primary data and secondary data.

- Q11. (a) Calculate Mean Deviation from median for the following data :

Variable	5	10	15	20	25
Frequency	1	2	4	2	1

- (b) Calculate first quartile (Q_1) and third quartile (Q_3) from the following data :

Age (in years)	0-5	5-10	10-15	15-20	20-25	25-30
No. of persons	3	9	15	23	30	20

(3+3=6)

- Q12. Calculate Arithmetic Mean and Standard Deviation from the following data : (Take assumed mean as 25) (6)

Marks	0-10	10-20	20-30	30-40	40-50
No. of students	4	3	6	5	2

SECTION B (Indian Economic Development)

Q13. Which of the following is not true about organic farming? (1)

(Choose the correct alternative)

- (a) Organically grown food is more healthier and tastier.
- (b) Yields in organic farming are lower than in chemical farming.
- (c) It adversely affects the fertility of the soil.
- (d) It enhances and restores the ecological balance.

Q14. Which among the following is a characteristic of health of people of our country? (Choose the correct alternative) (1)

- (a) There is equitable distribution of health services in rural and urban areas.
- (b) Life expectancy and mortality rates indicates that India's health status is good.
- (c) Government's share of total expenditure spent on healthcare in India is higher as compared to other countries.
- (d) In India, more than half of Global Burden of Diseases is because of communicable diseases.

Q15. Name any two indicators of human development. (1)

Q16. Mention the year in which Pakistan introduced economic reforms. (1)

Q17. Why is production possibility curve downward sloping? (3)

Q18. Mention some obstacles that hinder the mechanism of agricultural marketing. (3)

OR

Critically evaluate the role of rural banking in the process of rural development in India.

(4)

Q19. Discuss any two reforms each in the financial and external sector under the New Economic Policy, 1991. (4)

OR

(a) India has certain advantages which makes it a favourite outsourcing destination. What are these advantages?

(b) Why was privatisation required after 1991?

Q20. Explain the need and type of land reforms implemented in the agriculture sector after independence. (4)

Q21. (a) What was the two-fold motive behind the systematic de-industrialisation effected by the British in pre-independent India?

(b) Highlight the salient features of India's pre-independence occupational structure. (2+2=4)

Q22. (a) What similar developmental strategies have India and Pakistan followed for their respective developmental paths?

(b) Give a brief account of the development strategy adopted in China. (3+3=6)

Q23. (a) Briefly discuss various poverty alleviation programmes implemented by the government to remove poverty.

(b) Education is considered to be an important input for the development of a nation. Why? (3+3=6)

OR

(a) Define poverty line. How is it fixed in India?

(b) Bring out the differences between human capital and human development.

Q24. (a) Explain how 'bank rate' is helpful in controlling credit creation?

(b) Define money supply. Explain its components.

(3+3=6)

(5)

FINAL TERM EXAMINATION
INFORMATICS PRACTICES
CLASS- XI

TIME: 3HOURS

MM: 70

GENERAL INSTRUCTIONS:

- All the questions are compulsory.
 - Answer the questions after carefully reading the text.
 - Programming language – JAVA
 - Relational Database - MySQL
- Q1 : a. Explain any two language processors. [2]
b. Explain any two output devices. [2]
c. What is a Virus? How can it affect a computer system? [2]
d. What do you mean by BIOS? [2]
e. Define CPU and its parts. [2]
- Q2. a. Rinki is not clear about the difference between the following two statements: [1]
i. `SELECT (3+5) * 5;`
ii. `SELECT (3+5) *5 FROM CUST;`
Help her to understand the difference between these two statements.
b. Distinguish between '/' and '%' operators. [1]
c. What is the purpose of "LIKE" Predicate in MYSQL? [2]
d. Rohan has created table with 9 rows and 5 columns. After testing he added 4 rows and deleted 3 columns. What is the degree and cardinality of the table? [2]
e. Write the output of the following queries: [2]
(i) `SELECT ROUND(66.36,1);`
(ii) `SELECT YEAR ("2018-03-12");`
(iii) `SELECT 2000+ POW(10,2);`
(iv) `SELECT INSTR ('INFORMATICES PRACTICES', 'A');`
f. Differentiate between DDL and DML commands. [2]
- Q3: a. While working with Netbeans, Rohan included a combobox control which contains customer department. Which method is used to get selected department. [1]
b. Which method is used to add data in Text area control? [1]
c. Name two data types of JAVA that are used to store fraction values. Explain with an example. [2]
d. Explain Syntax errors with an example. [2]
e. Differentiate between While and Do... While Loop. [2]
f. What will be the value of following expressions if j=5 [2]
(i) $(5*++j)\%6$ (ii) $(5*j++)/6$
- Q4. a. Write java code to print the following series using 'For loop'. [2]
20,40,60,.....120
b. Rewrite the following using 'do ...while loop' and check how many times will the following loop get executed. [2]

```
int i=20;
for( i=0 ; i<=15; i+=5)
{
System.out.println(i);
}
```

c. Write the Java code to take a number and find table of the same. [2]

d. Find the errors in the following code and underlined the corrections made: [2]

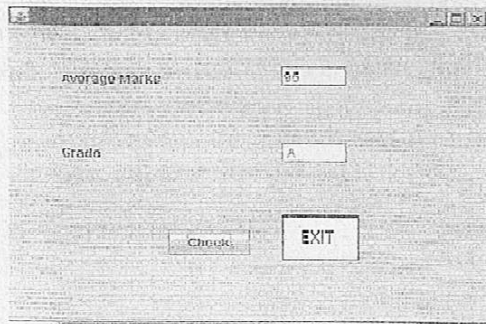
```
int a,b==10;
do
{
a=b*2;
b=a+b
while b>40};
```

e. Rewrite the following code fragment using switch. [2]

```
if(k==1)
Day="Monday";
elseif(k==2)
Day=" Tuesday";
elseif(k==3)
Day=" Wednesday";
else
Day="-";
}
```

Q5. a) Write java code that accept values from user for principle amount , rate of interest and time using Textfield1, jTextField2 and jTextField3. Calculate simple interest and total amount . (simple interest= $p * r * t / 100$) and (Total Amount= principle amount+ simple interest) [3]

b) Write a program in NetBeans to find grade of average marks based upon given information.



<u>Average</u>	<u>Grade</u>
>=90	A
<90&&>=80	B
<80&&>=65	C
<65	D

i) Write the code to make the textfield for Grade(txtgrade) uneditable. [1]

ii) If you are asked to add a Clear button to the application, what code you would add to clear all the text boxes. [1]

iii) Close the application when Exit button is pressed. [1]

iv) When Check button is clicked the grade is displayed as per the given criteria and displayed in textfield2. [4]

Q6 a. Write SQL commands for the queries (i) to (x) based on a table EShop.

[8]

Table : EShop

Code	Itemname	Company	Qty	City	Price
101	Jam	Kissan	40	Hyderabad	170.00
102	Biscuit	Pule	70	Delhi	100.00
105	Maggi	Maggi	60	Delhi	95.00
109	Sauce	Nestle	240	Rajkot	85.00
110	Chocolate	Cadbury	53	Bengluru	205.00
107	Cake	Hide & Seek	120	Mumbai	380.00

- (i) To display names of the items whose name starts with 'C'.
- (ii) To display code, item name and city of the items whose quantity is less than 100.
- (iii) To display all item names whose price value between 100 to 250.
- (iv) To increase the price by 10% of all items.
- (v) Add following record to the table.
110, Pasta, Nestle,50,Delhi,75.00
- (vi) To add one more column totalprice with numeric(10,2).
- (vii) To remove Maggi items from the table.
- (viii) To display chocolate, jam and biscuit.

b) i) Write all relational operators.

[1]

ii) What is the use of Trim() function?

[1]

Q7(a) Write MySQL command for creating a table "CUSTOMER" whose structure is given below:

[2]

Field Name	Data Type	Size	Constraints
Cust Number	Integer	4	Primary Key
FirstName	Varchar	20	
LastName	Varchar	20	
Amount	Integer	8	Not Null
Address	Varchar	20	
PhoneNo	Varchar	10	

(b) Remove the whole structure Customer.

[1]

(c) Write mysql command to see the structure of the table.

[1]

(d) What is Documentation?

[1]

(e) Write any two social impact of E-Learning.

[1]

(f) Define E- Governance? Write any two e-Governance sites.

[2]

(g) Anshika is creating a form for her practical file. Help her to choose most appropriate controls from List Box, Combo Box, TextField, TextArea, Radio Button, Check Box, Label and Command Button for the following entries from user.

[2]

(i) A message "Enter Marks" in front of a TextField.

(ii) An input to choose more than one subjects from a set of given choices.

(iii) An input for entering remarks.

(iv) An input for accepting Gender.

SUBJECT : PHYSICAL EDUCATION

Class : XI

Second Term Exam.(2017-18)

Time: 3 hrs

M.M. 70

General Instructions

- (i) All questions are compulsory.
- (ii) Answer to question (1-11) carrying 1 mark should be in approximately 30 words.
- (iii) Answer to question (12-19) carrying 3 marks should be in approximately 100 words.
- (iv) Answer to question (20-26) carrying 5 marks should be in approximately 150-200 words.

- Q1. Define Physical Education. (1)
- Q2. What is social wellness ? (1)
- Q3 Define the term Sports Training. (1)
- Q4. What is the aim of C.B.S.E. sports ? (1)
- Q5. What is meditation ? (1)
- Q6. Clarify the meaning of Centripetal force. (1)
- Q7. What do you mean by axial skeleton ? (1)
- Q8. What is the utility of anthropometric measurements ? (1)
- Q9. What is narcotics ? (1)
- Q10. What do you mean by Sports environment ? (1)
- Q11. Define Learning. (1)
- Q12. Enlist the objectives of Physical Education and explain anyone of them. (3)
- Q13. Describe the importance of positive lifestyle. (3)
- Q14. Discuss any three components of health related Physical Fitness. (3)
- Q15. Describe about the proposals of Rajiv Gandhi Khel Ratna Award. (3)
- Q16. Discuss the traits of Ectomorpha. (3)

- Q17. Mention briefly about freely movable joints. (3)
- Q18. Discuss the types of Equilibrium. (3)
- Q19. Differentiate between Growth and Development. (3)
- Q20. Define Warming up. Explain the types of Warming up. (5)
- Q21. What do you mean by emotion ? Elaborate the methods of controlling emotion in physical education and sports. (5)
- Q22. What do you mean by lever ? Elaborate the types of levers and their application in sports. (5)
- Q23. What is circulatory system ? Explain the structure, location and functions of heart. (5)
- Q24. Define doping and explain the types of doping. (5)
- Q25. Elucidate the physiological benefits of asanas and pranayamas. (5)
- Q26. What do you mean by test and measurement ? Elucidate the importance of test and measurement in the field of sports. (5)

Time : 3 Hrs.

M.M.: 80

General Instructions :

- (i) This paper is divided into 3 sections : A, B and C. All sections are compulsory.
- (ii) Separate instructions are given with each section and question, wherever necessary. Read these instructions very carefully and follow them faithfully.
- (iii) Do not exceed the prescribed word limit while answering the questions.

SECTION-A (Reading)**(20 Marks)**

- Q1. Read the given passage and answer the questions that follow : (12)

IN PRAISE OF THE WATERS OF LIFE

1. The belief that water is the origin of life was shared by most ancient civilisations, including the Egyptian, Mesopotamian and the Indic. Since these flourished on banks of rivers, their worship of water is not surprising. In each case, the river acted as a catalyst in the evolution of socio-economic and cultural patterns. This development is celebrated in the myths that form the core of most ancient religions.
2. Many modern-day Hindu beliefs about rivers are inherited from the Indo-European or Aryan tribes thought to have settled beside the river Sindhu. Millions of people are convinced, for instance, that a bath in the Ganga can wash away their sins. Renowned scholar Ananda Coomaraswamy observed that water had a magical quality. Indeed, Vedic seers held that rivers were females possessed of extraordinary powers. Saraswati, the most celebrated river in the Vedas, is personified as a goddess and principal mother. Rig Veda (VII.95) addresses Saraswati as the 'celestial cow' who nourishes with her milk.
3. The divinity attached to the river waters can be explained by the fact that Vedic seers made a clear distinction between celestial waters from rain and rivers, and terrestrial water, comprising primarily the oceans. It was the celestial waters that had the magical procreative powers. This is reiterated in mythical accounts of superhuman endeavours employed to bring these waters from the abode of the gods to the earth. It was also proposed through myths that water, like fire, was the divine witness to all human deeds. As a result, no Hindu rite is complete without its presence. In Hindu rituals, rivers are symbolically represented by a pitcher or kalasha. But the most significant value attached to a river is that as the source of knowledge. Thus, Saraswati represents the goddess of knowledge without which it is impossible to attain moksha, liberation.
4. The Bhagvad Gita asserts that knowledge can help even the most sinful of beings to cross the ocean of samsara. Since only knowledge, and action based on knowledge, can destroy accumulated karma, nothing is purer than knowledge. And since the metaphors of revelation

and passage and the values of sustenance and mystery meet in the image of the river, Saraswati is therefore worshipped both as a bestower of knowledge and as a guide who leads the devotee to moksha.

5. But with the passage of time, the traditional content of a mythic symbol is lost; and the symbol is then often confused with reality. The function of a mythic symbol is to lead from conviction based on faith to a genuine spiritual experience. Mythic symbols, which rely on tradition, legitimise the experience of the seers and assure the continuity of a culture. As Carl Jung warned us, however, such faith can easily degenerate into spiritual inertia, thoughtless compliance with dogma, and cultural stagnation. After all, cultural consciousness must be characterised by the fluid energy of the river, not by the sluggishness of the swamp. On the basis of the understanding of the passage, answer the following questions by choosing the most appropriate options :

(1x4=4)

(a) Water was worshipped in ancient civilisations because _____.

- (i) it was scanty
- (ii) it was near
- (iii) It was the origin of life
- (iv) man needed it for so many purposes

(b) Water was also supposed to _____.

- (i) unite people
- (ii) be a cause of dispute
- (iii) clean oneself
- (iv) support the evolution of socio-economic patterns

(c) The existence of water or rivers also gave rise to many _____.

- (i) beliefs
- (ii) countries
- (iii) habits
- (iv) differences

(d) Celestial waters of the rivers were believed to have

- (i) superhuman powers
- (ii) ordinary powers
- (iii) procreative powers
- (iv) great effect on human beings

(1x6=6)

Answer the following questions as briefly as possible :

- (e) What is the most significant value attached to a river?
- (f) What is 'Goddess Saraswati' also known for?
- (g) Why did most of the ancient civilisations settle near the rivers?
- (h) Why were the rivers considered divine in nature?
- (i) What was most necessary to Hindu rites? Why?

(j) What knowledge is given by Bhagwad Gita?

(k) Pick out words that convey the same meaning as the following : (1x2=2)

(i) gradually gathered or acquired (para 4)

(ii) the state of not flowing or moving (para 5)

Q2. Read the following passage carefully and answer the questions that follow : (8)

1. The role friends play in our lives has become significantly greater than at any other time in our history. Today many of us live and work at great distances from where we were born or we grew up and are separated from our original families. The pain we feel when we are away from our families can be significant.
2. The happiness of the individual relies on friendships which form a necessary human connection. It is perfectly normal to need and want friends and depression is more prevalent among those who lack friends. They lack the intimacy and richness friends can bring into our lives. Frequently friends reflect similar values to us. Yet these values are often different from the ones we grew up with; they are the values we created for ourselves in our adult lives.
3. Communication skills are fundamental in all friendships. The more friends and acquaintances one has, the greater are one's communication skills. Some call these, people skills.
4. Like watering a plant, we grow our friendships (and all our relationships) by nurturing them. Friendships need the same attention as other relationships, if they are to continue. These relationships can be delightfully non-judgemental, supportive, understanding and fun.
5. Sometimes a friendship can bring out the positive side that you never show in any other relationship. This may be because the pressure of playing a 'role' (daughter, partner or child) is removed. With a friend you can be yourself and are free to change. Of course you are free to do this in all other relationships as well, but in friendships you get to have lots of rehearsals and discussions about changes as you experience them. It is an unconditional experience where you receive as much as you give. You can explain yourself to a friend openly without the fear of hurting a family member. How do friendships grow? The answer is simple. By revealing yourself; being attentive; remembering what is most important to your friend and asking them about it; putting yourself in their position; showing empathy; seeing the world through the eyes of your friend, you will understand the value of friendship. All this means learning to accept a person from a completely different family to your own or perhaps someone from a completely different cultural background. This is the way we learn tolerance. In turn we gain tolerance and acceptance for our own differences.
6. Friendships are made by being considerate which means all the communication skills come into play; active listening skills, questioning skills, negotiation skills, reflecting content skills, reflecting emotion skills, and editing yourself.

7. Friendship offers a great opportunity to learn about yourself because a friend can reflect back to you 'how you come across in the world'. They also allow you to practice skills in dealing with 'personal boundaries' by looking after yourself as well as your friend. They help you develop resilience in relation to the wider social world beyond your family.

(a) On the basis of your reading of the above passage, make notes on it, using headings and sub-headings. Also use recognizable abbreviations wherever necessary (minimum four). Supply a suitable title. (5)

(b) Write the summary of the passage in about 80 words. (3)

SECTION-B (Advanced Writing Skills)

(20 Marks)

Q3. Design a poster to counter the sale of colas and fast food to be put up outside your school canteen. (4)

OR

Write a reply of refusal to Mr. Akhil Batra, your neighbour, expressing your inability to attend the house warming party of his new flat, to be held in the month of March.

Q4. As Amit/Amita Prabhakar, Principal of Jingle Bells Play School, write a letter to M/s Bright Stationers placing an order for general stationery items for your play school. (6)

OR

As Udit/Udita Chopra, write a letter to the editor of Hindustan Times, voicing your concern over a huge amount of money and resources spent on fashion shows held every year, participated by highly paid models and film stars. You strongly feel that this money and these resources can be utilized in helping the downtrodden.

Q5. September 26, is celebrated as World's Heart Day. You read in a newspaper that heart diseases have become the world's largest killers, claiming more than 17 million lives every year. As a concerned citizen, write an article for a fortnightly magazine giving suggestions on how to curb habits which lead to heart diseases. (150-200 words) (10)

OR

Write a factual description of the Science Exhibition held in your school. You are Arun/Aruna Upadhyay, Cultural Secretary of The Mother Divine Public School, New Delhi. (150-200 words)

SECTION-C (Literature Text Books and Long Reading Text) (40 Marks)

Q6. Read the given extract and answer the questions that follow : (4)

"I am Poem of Earth, said the voice of the rain,
Eternal I rise impalpable out of the land
and the bottomless sea".

(a) To which question does the voice of the rain give an answer? (1)

- (b) Why is the word 'voice' used for rain? (1)
- (c) Which literary device is used in the first line of the extract? (1)
- (d) Explain : 'impalpable out of the land'. (1)

OR

"Was it the day I ceased to be eleven,
Was it the time I realized that Hell and Heaven,
Could not be found in Geography,
And therefore could not be",

- (a) Name the poem and the poet. (1)
- (b) What does the poet mean when he says 'could not be found in Geography'? (1)
- (c) What is the significance of 'ceased to be eleven'? (1)
- (d) What does the stanza indicate about poet's personality? (1)
- Q7. Answer any four of the following questions in about 30-40 words : (4x3=12)

- (i) Why does the narrator say they had their first meal in two days?
- (ii) How does the narrator in the poem, Father to son, express his feeling of guilt?
- (iii) What does Nani Palkhivala refer to by the term 'powerhouse of evolution'?
- (iv) Why did the narrator feel horrified and oppressed once she was in the living room of Mrs. Dorling's house?
- (v) Why was the crowd restless?
- (vi) Why was Albert nervous about meeting Dr. Ernest Weil?

- Q8. Answer the given question in about 120-150 words. (6)
- Describe Khushwant Singh's grandmother's relationship with the sparrows.

OR

On January 5, 2005, history was created in the field of archaeology. Elaborate.

- Q9. Answer the given question in about 120-150 words. (6)
- Shyama was an accomplished manipulator. Elaborate on the statement.

OR

Dr. Andrew Manson had almost lost belief in marriage. Why did he think so?

- Q10. Answer the given question in about 120-150 words : (6)

How did the ghost prevail upon Virginia to help him?

- Q10. Answer the given question in about 120-150 words : (6)

Write a character-sketch of Sir Simon De Canterville, the ghost.

CLASS : XI

SUBJECT : ENGLISH (SET-I)

Time : 3 Hrs.

M.M.: 80

General Instructions :

- (i) *This paper is divided into 3 sections : A, B and C. All sections are compulsory.*
- (ii) *Separate instructions are given with each section and question, wherever necessary. Read these instructions very carefully and follow them faithfully.*
- (iii) *Do not exceed the prescribed word limit while answering the questions.*

SECTION A (Reading)**(20 Marks)**

- Q1. Read the given passage carefully and answer the questions that follow : (12)
1. Sarah Riley works in the heart of London. Her working day is filled with meetings, phone calls, project deadlines and all the other responsibilities of corporate life. She is good at her job and has steadily progressed over the last six years to her current position as marketing consultant for a large communication and marketing firm.
 2. It is a demanding job but well paid and Ms. Riley loves it. Yet, for the past year and a half, she has been leaving her town every Wednesday evening to drive to the coastal town of Brighton, where she spends the rest of the week and part of the weekend working as a junior barber in a city centre salon. She does not need the extra money nor is she planning a career change. The fact is that, like a small but growing number of workers, Ms. Riley has simply decided that two careers are better than one.
 3. Dual careerists (also sometimes called sunlighters) are not contractors who work for several clients or moonlighters who take on extra jobs for money. Instead, they are people who are actively committed to more than one career. Celebrity hybrids, such as singer/actress/children's author, Madonna, and even actor/champion poker player, Ben Affleck, are known for having more than one career on the go and it is a trend that experts say is gathering force among office workers.
 4. Ms. Riley is now completing her NVQ Level 2 barber training. "I have always been interested in men's hairdressing and I find it quite creative", she says. "I would often look at someone's hairstyle and think I can do that and one day I just decided to do it. Initially I enrolled in an evening course, which gave me a very basic grounding and a chance to see if I could actually do it. When I realized I could and that I enjoyed it, I decided to train properly".
 5. City and Guild recently conducted a forward-looking analysis of the trend and concluded that increased life expectancy and pension under-funding will lead to longer working lives,

while the rise of (particularly online) technology will mean people can re-train while holding down their current jobs. This creates an encouraging climate for dual careerists. The study predicts that the 1.2 million people who currently have two or more jobs will double in the next 20 years.

6. Like Ms. Riley, the majority of dual careerists work part-time. But executive assistant Nicola Wright, 27, who has a full time job as a PA opted for an additional career when faced with the prospect of otherwise having to give up her childhood passion for dance. She decided to train as a dance teacher in the evenings and weekends and has spent the past six years establishing her own dance school in Portsmouth, along the coast from Brighton, while holding down her original job. For her, top-notch organizational and time management skills and the goodwill of her employers were fundamental in helping her realize her ambition.
7. However, taking on two careers can require almost superhuman determination and efficiency. Apart from the training there are administrative chores like completing tax-returns which many people with more than one employer are required to do. "It is exhausting," Ms. Wright admits. But despite their punishing schedules both Ms. Riley and Ms. Wright maintain that being able to do creative jobs makes them appreciate their mainstream jobs even more.
8. As Ms. Riley explains, "I have always wanted to live by the sea and have a country life-style. In Brighton I live within walking distance of my job. I can go home for lunch and feed the dogs and on Sundays I can go for country walks. But I also have my city life with my London job with the salary, friends and social life that goes with that. Both jobs really complement each other".
9. Prof. Peter Nolan, Director of the Future of Work Programme, funded by the Economic and Social Research Council (ESRC), points out that the notion that people are becoming less interested in holding down a career in favour of quality family life is a myth. There is in fact, he argues, a revival in the desire for a career.
10. Statistics show that the length of time people stay with employers hasn't changed much, but the number of different and/or additional jobs people do in their working lives have been growing significantly and this is linked to people being offered more flexible working hours. Part-time work no longer conforms to the stereotype of being temporary, insecure or a stopgap. Often it is a secure, long-lasting career and changes in employment law over the years mean that the benefits and rights make it comparable to full-time employment work.

On the basis of your reading of the above passage, answer the following questions by choosing the most appropriate options : (1x4=4)

(a) Sarah Riley chose a second career for

(i) money

(ii) fame

(iii) worldly pleasures

(iv) its creativity

- (b) The trend of adopting two careers have been given an impetus by
- (i) the need for money
 - (ii) online technology
 - (iii) creativity
 - (iv) under funding
- (c) According to the passage, taking on two careers require
- (i) zeal and enthusiasm
 - (ii) support of one's family
 - (iii) determination and efficiency
 - (iv) desire to earn money
- (d) Nicola Wright thinks that if your second career is of your interest
- (i) you become more efficient in your main job
 - (ii) you want to give up your main job
 - (iii) it can be very exhausting
 - (iv) it can increase your lifespan

Answer the following questions briefly :

(1x6=6)

- (e) How does Sarah Riley spend her working day?
 - (f) Why did she leave her town every Wednesday evening?
 - (g) Who are dual careerists?
 - (h) When did Sarah decide to get proper training in hairdressing?
 - (i) Why did Nicola opt for an additional career?
 - (j) Why has the number of people doing additional jobs grown significantly in the recent times?
 - (k) Find the synonyms of the following words from the passage :
- (i) draining (para 7)
 - (ii) supplement (para 8)

(1x2=2)

Q2. Read the following passage carefully and answer the questions that follow : (8)

1. People tend to amass possessions, sometimes without being aware of doing so. Indeed they get a delightful surprise when they find something useful which they did not know they owned. Those who never have to change house become indiscriminate collectors of what can only be described as clutter. They leave unwanted objects in drawers, cupboards and attics for years in the belief that they may one day need just those very things.
2. As they grow old, people also accumulate belongings for two other reasons, lack of physical and mental energy, both of which are essential in turning out and throwing away things and sentiment. Things that people possess for a long time are full of associations with the past, perhaps with relatives who are dead, and so they gradually acquire a value beyond their true worth.

3. Some things are collected deliberately in the home in an attempt to avoid waste. Among these I would list string and brown paper, kept by thrifty people when a parcel has been opened. Collecting small items can easily become a mania.
4. I know someone who always cuts out from newspapers sketches of clothes that she would like to buy, if she had the money. As she is not rich, the chances that she will ever be able to afford such purchases are remote. But she is never sufficiently strong-minded to be able to stop the practice. It is a harmless habit, but it litters up her desk to such an extent that every time she opens it, loose bits of paper fall out in every direction.
5. Collecting as a serious hobby is quite different and has many advantages. It provides relaxation for leisure hours, just as looking at one's treasures is always a joy. One does not have to go out for amusement, since the collection is at home. Whatever it consists of - stamps, records, first editions of books, china glass, antique furniture, pictures, model cars, stuffed birds, toy animals - there is always something to do in connection with it, from finding the right place for the latest edition to verifying facts in reference books. This hobby educates one not only in the chosen subject, but also in general matters which have some bearing on it. There are also other benefits.
6. One wants to meet like-minded collectors, to get advice, compare notes, to exchange articles, to show off the latest find. So one's circle of friends grows. Soon the hobby leads to travel, perhaps to a meeting in another town, possibly a trip abroad in search of a rare specimen, for collectors are not confined to any one country.
7. Over the years one may well become an authority on one's hobby and will very probably be asked to give informal talks to little gathering and then, if successful, to large audiences. In this way, self-confidence grows, first from mastering a subject, then from being able to talk about it. Collecting, by occupying spare time so constructively, makes a person contented, with no time for boredom.

- (a) On the basis of your understanding of the above passage, **make notes** on it, using headings and sub-headings. Use recognizable abbreviations (wherever necessary - minimum four) and a format you consider suitable. Also **supply** a title to it. (5)
- (b) Write a summary of the passage in about 80 words. (3)

SECTION-B (Advanced Writing Skills)

(20 Marks)

- Q3. Your school has organised a five-day trekking, mountain climbing and rappelling camp at Rishikesh for the students of classes XI and XII during the summer vacation. As the President of the Adventure Club, draft a notice to be put up on the Student's Notice board, telling the students about the trip and inviting them to join it. Do not exceed 50 words. (4)

OR

(F-4)

You are Geeta/Gitansh of 8, Narainpura, Baroda. You have got a foreign assignment and will be going abroad soon. You have a colour television set and a washing machine to sell. Craft a suitable advertisement in not more than 50 words to be published in the classified columns of The Hindu.

- Q4. You are Sangeeta/Sangeet Jain of 15, C.R. Road, Nasik. You are interested in learning fashion technology through a correspondence course. Write a letter to the director of Vivekanand Institute, Janakpuri, Delhi inquiring about the details of the course. (6)

OR

You are Apoorva/Arpit. You bought a refrigerator from Ganesh Electronics, Gandhi Marg, Nagpur, two months ago. It does not function properly. Write a letter to the Sales Manager of the shop, complaining about the defect and asking for immediate replacement of the product.

- Q5. In order to raise funds for educating the underprivileged children, your school organized 'a cultural night' in which the student artists of your school and those from neighbourhood schools presented various programmes such as songs, dances etc. Jagjit Singh, a famous Singer, also made a guest appearance. Write a report in 150-200 words for your school magazine. (10)

OR

You are Gaurav, Headboy of Kendriya Vidyalaya, Phase-IV, Ashok Vihar. As a result of a sedentary lifestyle, obesity among children is on the rise. Using your own ideas, deliver a speech in the morning assembly of your school on the importance of regular exercise. (150-200 words)

SECTION-C (Literature Text Books and Long Reading Text) (40 Marks)

- Q6. Read the given extracts and answer the questions that follow : (4)

Some twenty-thirty-years later
She'd laugh at the snapshot. "See Betty
And Dolly", she'd say, "and look how they
Dressed us for the beach". The sea holiday
Was her past, mine is her laughter.

- (a) Who is the speaker and whom is she addressing? (1)
(b) What had happened twenty-thirty years earlier? (1)
(c) What amused the speaker? (1)
(d) Why is the mother's laughter the poet's past? (1)

OR

Father and Son, we both must live
On the same globe and the same land.

(F-5)

He speaks : I cannot understand
Myself, why anger grows from grief.
We each put out an empty hand,
Longing for something to forgive.

- (a) Why is the father angry? (1)
- (b) Explain : 'we both must live on the same globe and the same land'. (2)
- (c) What longing of the father and the son remains unfulfilled? (1)
- Q7. Answer any four of the following questions in about 30-40 words : (4x3=12)
- (a) Describe the parting of the author from his grandmother at the railway station.
- (b) Why was the poet disillusioned by the behaviour of the adults?
- (c) What evidence indicates that Tut had been buried in March-April?
- (d) How did Aram justify the act of stealing the horse?
- (e) The narrator pays a glowing tribute to his village, Hosahalli. What does he say?
- (f) What was the child suffering from? What did Dr. Andrew decide to do?
- Q8. Answer the given question in about 120-150 words : (6)
- What were the troubles that the crew members faced on the morning of 2 January? How did they counter nature's wrath?
- OR
- What are the four systems that sustain life on earth? What threats are they facing?
- Q9. Answer the given question in 120-150 words : (6)
- Describe the narrator's second visit to Mrs. Dorling's house.
- OR
- How did the "just and placid king" get executed?
- Q10. Answer the given question in about 120-150 words : (6)
- How was Sir Simon, finally, laid to rest?
- Q11. Answer the given question in 120-150 words : (6)
- Virginia is the harbinger of love and peace who helps the ghost to attain salvation. Write the character sketch of Virginia E. Otis.