



**St. Mary's School, Dwarka**  
**Holiday Homework**  
**Class XII**  
**Worksheet 4**

**Subject: English**

General Instructions:

- 1) The work should be done neatly and in a systematic way.
- 2) The given questions are to be done in the English notebook.
- 3) Attempt all questions.

**Q1. Read the passage carefully.**

1. Philosophy of Education is a label applied to studying education's purpose, process, nature and ideals. It can be considered a branch of both philosophy and education. Education can be defined as the teaching and learning of specific skills, and the imparting of knowledge, judgment and wisdom, and is something broader than the societal institution of education we often speak of.

2. Plato is the earliest important educational thinker, and education is an essential element in "The Republic" (his most important work on philosophy and political theory, written around 360 B.C.). In it, he advocates some rather extreme methods: removing children from their mothers' care and raising them as wards of the state, and differentiating children suitable to the various castes, the highest receiving the most education, so that they could act as guardians of the city and care for the less able. He believed education should be holistic, including facts, skills, physical discipline, music and art. Plato believed talent and intelligence are not distributed genetically and thus can be found in children born to all classes. His proposed system of selective public education for an educated minority of the population does not follow a democratic model.

3. During the Medieval period, the idea of Perennialism was first formulated by St. Thomas Aquinas in his work "De Magistro". Perennialism holds that one should teach those things deemed to be of everlasting importance to all people everywhere, namely- principles and reasoning, not just facts (which are apt to change over time). One should teach first about people, not machines or techniques. It was originally religious, and it was only much later that a theory of secular perennialism developed.

4. During the Renaissance, the French sceptic Michel de Montaigne (1533 - 1592) was one of the first to view education critically. Unusually for his time, Montaigne was willing to question the conventional wisdom of the period, calling into question the whole edifice of the educational system, and the implicit assumption that university-educated philosophers were necessarily wiser than uneducated farm workers.

**Q1. Based on the reading of the passage, choose the correct option. (1x5=5)**

**i. What is the main focus of the Philosophy of Education? 1**

- A. The history of education
- B. The purpose, process, nature, and ideals of education
- C. The administrative aspects of educational institutions
- D. The financial aspects of education

**ii. How does Plato's view on talent and intelligence differ from common genetic beliefs?**

**He believes**\_\_\_\_\_.

1

- A. talent and intelligence are distributed based on social class.
- B. intelligence is solely a product of genetic inheritance
- C. only the upper class possesses talent and intelligence.
- D. talent and intelligence are not distributed genetically.

**iii. From Plato's educational philosophy, what can be inferred about his view on societal roles?**

**He believed**\_\_\_\_\_.

1

- A. societal roles should be inherited
- B. education should determine societal roles
- C. everyone should have the same education.
- D. education was unnecessary for societal roles.

**iv. What does the term "holistic" imply in the context of Plato's educational philosophy?**

- A. Focused on religious teachings
- B Exclusive to the elite class
- C. Comprehensive, including various disciplines
- D. Centered on physical discipline

**v. The word, "edifice", according to Montaigne's view of the educational system means**

**a**\_\_\_\_\_.

1

- A. large, complex system
- B. small part
- C. religious building
- D. piece of machinery

**Q2. The Literary Club of Salwan Public School is staging a play based on, 'The Jungle Book'. You are Ravit/Rhea, Secretary of the Club. Draft a notice inviting the students of Std. VI-XII to audition for the same. Invent all the necessary details like date, time etc. (50 words) (4)**

**Q3. Read the extract and answer the questions given below. (1X5=5)**

I'm just an ordinary guy named Charley, thirty-one years old, and I was wearing a tan gabardine suit and a straw hat with a fancy band; I passed a dozen men who looked just like me. And I wasn't trying to escape from anything: I just wanted to get home to Louisa, my wife. I turned into Grand Central from Vanderbilt Avenue, and went down the steps to the first level, where you take trains like the Twentieth Century. Then I walked down another flight to the second level, where the suburban trains leave from, ducked into an arched doorway heading for the subway- and got lost. That's easy to do.

**i. What was Charley's destination when he entered Grand Central?**

1

- A. The Twentieth Century train
- B. The suburban trains
- C. The subway
- D. A different city

**ii. Charley mentions passing "a dozen men who looked just like me" to**\_\_\_\_\_

1

- A. emphasise his feeling of being ordinary and unremarkable

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- B. show that he was in a hurry and did not notice anyone
- C. indicate that he was in a very busy and crowded place
- D. suggest that he was in a uniformed profession

**iii. What does the passage imply about the layout of Grand Central?**

**1**

- A. It is straightforward and easy to navigate
- B. It is confusing and easy to get lost in
- C. It only has one level and is simple
- D. It is a small, uncomplicated station

**iv. The author includes details about the different levels and trains to\_\_\_\_\_.**

**1**

- A. illustrate the complexity of the station
- B. show Charley's interest in trains
- C. highlight the modernity of the station
- D. suggest that Charley is a train enthusiast

**v. Choose the correct option.**

**1**

**Assertion: Charley was trying to escape from something when he got lost in Grand Central.**

**Reason: He wanted to avoid his responsibilities.**

- A. Both the assertion and the reason are true, and the reason is the correct explanation for the assertion.
- B. Both the assertion and the reason are true, but the reason is not the correct explanation for the assertion.
- C. The assertion is true, but the reason is false.
- D. Both the assertion and the reason are false.

**Q4. Answer the following questions briefly in 40-50 words.**

**(2x3=6)**

- i.** How would you evaluate Sam's character? Elucidate any two qualities, and substantiate with evidence from the text. **2**
- ii.** Why do you think Mukesh is content to dream of cars and doesn't dream of flying a plane? **2**
- iii.** The manner of the Tiger King's death is a matter of extraordinary interest. Comment. **2**

**Q5. Activity: Research any 2 types of ships that have undertaken voyages to Antarctica and their features. Design a ship unique in appearance that you would take on the voyage to your dream destination. Mention 2 features that set your ship apart from the others. (Use an A-4 size pastel sheet.**

**(5)**

**Subject: Mathematics**

2x20=40

Q1 If a matrix has 8 elements, what are the possible orders it can have? What if it has 5 elements?

Q2 Construct a  $4 \times 3$  matrix whose elements are

$$(i) a_{ij} = 2i + \frac{i}{j} \quad (ii) a_{ij} = \frac{i-j}{i+j} \quad (iii) a_{ij} = i$$

Q3 If  $A = \begin{bmatrix} x-y & z \\ 2x-y & \omega \end{bmatrix} = \begin{bmatrix} -1 & 4 \\ 0 & 5 \end{bmatrix}$  find  $x, y, z, \omega$ .

Q4 Find a matrix  $X$  such that  $2A + B + X = O$ , where

$$A = \begin{bmatrix} -1 & 2 \\ 3 & 4 \end{bmatrix}, B = \begin{bmatrix} 3 & -2 \\ 1 & 5 \end{bmatrix}$$

Q5 If  $A = \begin{bmatrix} 2 & -1 \\ 3 & 2 \end{bmatrix}, B = \begin{bmatrix} 0 & 4 \\ -1 & 7 \end{bmatrix}$ , find  $3A^2 - 2B + I$

Q6 If  $A = \begin{bmatrix} \alpha & 0 \\ 1 & 1 \end{bmatrix}$  and  $B = \begin{bmatrix} 1 & 0 \\ 5 & 1 \end{bmatrix}$ , find the values of  $\alpha$  for which  $A^2 = B$ .

Q7 Let  $A = \begin{bmatrix} 2 & -1 \\ 3 & 4 \end{bmatrix}, B = \begin{bmatrix} 5 & 2 \\ 7 & 4 \end{bmatrix}, C = \begin{bmatrix} 2 & 5 \\ 3 & 8 \end{bmatrix}$

Find a matrix  $D$  such that  $CD - AB = 0$ .

Q8 If the matrix  $A = \begin{bmatrix} 5 & 2 & x \\ y & z & -3 \\ 4 & t & -7 \end{bmatrix}$  is a symmetric matrix, find  $x, y, z$  and  $t$ .

Q9 If  $A = \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix}$  satisfies  $A^4 = \lambda A$ , then write the value of  $\lambda$ .

Q10 If  $S = [S_{ij}]$  is a scalar matrix such that  $s_{ij} = k$  and  $A$  is a square matrix of the same order, then  $AS = SA$  ?

- (a)  $A^k$                       (b)  $k + A$                       (c)  $kA$                       (d)  $kS$

Q11 If  $A$  is a square matrix such that  $A^2 = A$ , then  $(I + A)^3 - 7A$  is equal to

- (a)  $A$                       (b)  $I - A$                       (c)  $I$                       (d)  $3A$

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Q12 If  $\begin{bmatrix} 1 & -1 & x \end{bmatrix} \begin{bmatrix} 0 & 1 & -1 \\ 2 & 1 & 3 \\ 1 & 1 & 1 \end{bmatrix} \begin{bmatrix} 0 \\ 1 \\ 1 \end{bmatrix} = 0$ , find x.

Q13 If  $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$  and  $I = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$ , then find  $\lambda$  so that  $A^2 = 5A + \lambda I$ .

Q14 If  $A = \begin{bmatrix} 1 & 1 \\ 0 & 1 \end{bmatrix}$ , prove that  $A^n = \begin{bmatrix} 1 & n \\ 0 & 1 \end{bmatrix}$  for all positive integers n.

Q15 If  $A = \begin{bmatrix} \cos \theta & i \sin \theta \\ i \sin \theta & \cos \theta \end{bmatrix}$ , then prove by principle of mathematical induction that

$$A^n = \begin{bmatrix} \cos n\theta & i \sin n\theta \\ i \sin n\theta & \cos n\theta \end{bmatrix} \text{ for all } n \in \mathbb{N}.$$

Q16 If  $A = \begin{bmatrix} 1 & 2 & 2 \\ 2 & 1 & -2 \\ a & 2 & b \end{bmatrix}$  is a matrix satisfying  $AA^T = 9I_3$ , then find the values of a and b.

Q17 If  $A = \begin{bmatrix} \cos \theta & \sin \theta \\ \sin \theta & \cos \theta \end{bmatrix}$ , then find the values of  $\theta$  satisfying the equation  $A^T + A = I_2$ .

Q18 Find the values of x, y, z if the matrix  $A = \begin{bmatrix} 0 & 2y & z \\ x & y & -z \\ x & -y & z \end{bmatrix}$  satisfy the equation  $A^T A = I_3$ .

Q19 Express the matrix  $A = \begin{bmatrix} 3 & 2 & 3 \\ 4 & 5 & 3 \\ 2 & 4 & 5 \end{bmatrix}$  as the sum of a symmetric and a skew-symmetric matrix.

Q20 Let A and B be symmetric matrices of the same order. Then, show that

(i)  $A + B$  is a symmetric matrix

(ii)  $AB - BA$  is a skew-symmetric matrix

(iii)  $AB + BA$  is a symmetric matrix

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**Project -1**

Make a project on Matrices and their applications ( ex- coding and decoding, cryptography).

**Project -2**

Learn how to use Microsoft, Excel for addition , subtraction, and transpose of matrices. Make a soft copy of the same and paste screenshot of the output on the file along with project.

**Subject: Informatics Practices**

**Answer the following questions:**

Q1 Write a SQL command to create the following table STUDENT. 2

|    | school_id | s_id | score | status |
|----|-----------|------|-------|--------|
| 1  | 1004      | 1    | 23    | Fail   |
| 2  | 1008      | 2    | 95    | Pass   |
| 3  | 1012      | 3    | 97    | Pass   |
| 4  | 1016      | 4    | 67    | Pass   |
| 5  | 1020      | 5    | 100   | Pass   |
| 6  | 1025      | 6    | 73    | Pass   |
| 7  | 1030      | 7    | 88    | Pass   |
| 8  | 1035      | 8    | 13    | Fail   |
| 9  | 1040      | 9    | 16    | Fail   |
| 10 | 1050      | 10   | 53    | Pass   |

Q2 Consider the following table: Movierental and write SQL statement for (a) and (b): 2

| reference_number | transaction_date | return_date | membership_number | movie_id | movie_returned |
|------------------|------------------|-------------|-------------------|----------|----------------|
| 11               | 20-06-2012       | NULL        | 1                 | 1        | 0              |
| 12               | 22-06-2012       | 25-06-2012  | 1                 | 2        | 0              |
| 13               | 22-06-2012       | 25-06-2012  | 3                 | 2        | 0              |
| 14               | 21-06-2012       | 24-06-2012  | 2                 | 2        | 0              |
| 15               | 23-06-2012       | NULL        | 3                 | 3        | 0              |

a) to get the number of times that the movie with id 2 has been rented out( omit duplicates)

b) to display the latest movie rented.

Q3 Describe the following clauses in SQL: GROUP BY and HAVING. 2+2

Q4 Write a short note on INSERT Statement. 3

Q5 Explain the SQL commands based on the following: 2x3=6

- **Conditions based on a range**
- **Conditions based on a list**
- **Conditions based on Pattern**

**Q6** Based on the following tables **PRODUCT** and **CLIENT**, answer the following queries: **1x5=5**

**PRODUCT:**

| P_ID | ProductName   | Manufacturer | Price | Discount |
|------|---------------|--------------|-------|----------|
| TP01 | Talcom Powder | LAK          | 40    |          |
| FW05 | Face Wash     | ABC          | 45    | 5        |
| BS01 | Bath Soap     | ABC          | 55    |          |
| SH06 | Shampoo       | XYZ          | 120   | 10       |
| FW12 | Face Wash     | XYZ          | 95    |          |

**CLIENT:**

| C_ID | ClientName    | City   | P_ID |
|------|---------------|--------|------|
| 01   | Cosmetic Shop | Delhi  | TP01 |
| 02   | Total Health  | Mumbai | FW05 |
| 03   | Live Life     | Delhi  | BS01 |
| 04   | Pretty Woman  | Delhi  | SH06 |
| 05   | Dreams        | Delhi  | FW12 |

- i) to display ProductName and Price for all products whose Price is in the range 50 to 150.
- ii) to display details of product whose manufacturer is either XYZ or ABC
- iii) to display ProductName, Manufacturer and Price for all products that are not given any discount.
- iv) to display ClientName, City, P\_ID and ProductName for all clients whose city is Delhi.
- v) Which column is used as Foreign Key and name the table where it has been used as foreign key?

**Q7** a) Consider the following Table: **CUSTOMER** **1x6=6**

| customer_id | cust_name      | city       | grade | salesman_id |
|-------------|----------------|------------|-------|-------------|
| 3002        | Nick Rimando   | New York   | 100   | 5001        |
| 3007        | Brad Davis     | New York   | 200   | 5001        |
| 3005        | Graham Zusi    | California | 200   | 5002        |
| 3008        | Julian Green   | London     | 300   | 5002        |
| 3004        | Fabian Johnson | Paris      | 300   | 5006        |
| 3009        | Geoff Cameron  | Berlin     | 100   | 5003        |
| 3003        | Jozy Altidor   | Moscow     | 200   | 5007        |

**Write the SQL statements for the following conditions (a) to (f):**

- a) to display all customers in New York who have a grade value above 100.
- b) to display those customers who are neither belongs to the city London nor grade value is more than 200
- c) to sort out those customers with all information whose ID value is within any of 3007, 3008 and 3009.
- d) to find those customers with all other information and name started with any letter within 'A' and 'K'
- e) to display the grade with the percent sign (%) with salesman ID and city columns for all the customers
- f) fetching the “cust\_name” from customer table in upper case.

**Subject: Physical Education**

**Answer the following questions:**

1. In which Olympics P.T. Usha secured 4th place in 400 m hurdle race? 1  
(a) 1980 Olympics    (b) 1984 Olympics  
(c) 2016 Olympics    (d) None of the above
2. In which Olympic games, Saina Nehwal and M.C. Mary Kom secured one bronze medal each? 1  
(a) 2008 Olympics    (b) 2012 Olympics  
(c) 2016 Olympics    (d) None of the above
3. In which Olympics did women participated for the first time? 1  
(a) 1896                (b) 1900  
(c) 1904                (d) 1908
4. Mary Kom belongs to which sports? 1  
(a) Tennis              (b) Wrestling  
(c) Badminton        (d) Boxing
5. What do you mean by specific sports programmes? Explain about health runs and run for unity in detail. 3
6. What do you mean by specific sports programmes? Explain any three. 3
7. While specifying all calculations, prepare a 'knock-out fixture' for 21 teams. 3
8. Draw a knock-out fixture of 21 teams mentioning all the steps involved. 5
9. Being the captain of the school, prepare five important committees with their responsibilities to conduct one day run for health race. 5
10. Explain the reasons for the less participation of women players in sports. 5



**Subject: Business Studies**

- Q.1 The scope of authority \_\_\_\_\_ as we go higher up in the management hierarchy. 1  
(a) Increases (b) Decreases  
(c) Remains same (d) None of the above
- Q.2 It arises from the established scalar chain which links the various job positions and levels of an organisation. 1  
(a) responsibility (b) Authority  
(b) Top to bottom (d) None of the above
- Q.3 Rishabh has joined as a Creative Head in an entertainment company. He always ensures that the work has been divided into small and manageable activities and also the activities of similar nature are grouped together. Identify the related step in organising process being mentioned in the above lines. 1  
(a) Identification and division of work (b) Departmentalisation  
(c) Assignment of duties (d) Establishing reporting relationships
- Q.4 Organising is a process by which the manager..... 1  
(a) Establishes order out of chaos  
(b) Removes conflict among people over work or responsibility sharing  
(c) Creates an environment suitable for teamwork  
(d) All of the above
- Q.5 As the span of management increases in an organisation, the number of levels of management in the Organisation..... 1  
(a) Increases (b) Decreases  
(c) Remains unaffected (d) None of the above
- Q.6 Kiran Industries is a company dealing in office furniture. The company chose to diversify its operations to improve its growth potential and increase market share. As the project was important, many alternatives were generated for the purpose and were thoroughly discussed amongst the members of the organisation. After evaluating the various alternatives, Sukhvinder, the Managing Director of the company, decided that they should add 'Home Interiors and Furnishings' as a new line of business activity.  
(a) Name the framework, which the diversified organisation should adopt, to enable it to cope with the emerging complexity? Give one reason in support of your answer.  
(b) State any two limitations of this framework. 3
- Q.7 The production manager asked the foreman to achieve a target production of 200 units per day, but he doesn't give him the authority to requisition tools and materials from the stores department. Can the production manager blame the foremen if he is not able to achieve the desired target? Give Reasons. 3
- Q.8 Ramdas, aged 49 is working in an aviation company. He is the senior most employees in his division. He is even senior to the division manager, Kanaputti. Ramdas is considered one of the most committed, capable and hard-working employees. As a result of his abilities and seniority, he generally received the work assignments of his choice. Although there was no formal designation of various special projects assigned to Ramada's, he handled them as a matter of routine. A problem developed when an able and intelligent person Nagarjuna, aged 33, was appointed by Kanaputti. Nagarjun's previous three years' experience in the closely related work, made it possible for him to catch on to the routine work of his new job more rapidly than was customary for a new employee. On several occasions, Kanaputti noticed the tension developing between the two employees. However, he didn't want to get involved in their personal issues as long as the work was completed effectively and efficiently by them. One day, the tension between them reached the boiling point and Rumbas complained to Kanaputti stating that his duties were being largely taken over by Nagarjun.

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Kanaputti issued the order stating the clear allocation of the jobs and related duties between the two. He further clarified the working relationship between them by specifying who was to report to whom. This helped in reducing the workload, enhancing productivity and removing ambiguity.

1. Identify and state the step of organizing process which has not been carried out properly and contributed to this problem.
2. State the two steps of the organizing process which have been taken by Kanaputti to respond to the complaint of Ramdas.
3. Also state two points of importance of organizing as reflected in the above case. 4

Q.9 A company, which manufactures a popular brand of toys, has been enjoying good market reputation. It has a functional organisational structure with separate departments for Production, Marketing, Finance, Human Resources and Research and Development. Lately to use its brand name and also to cash on to new business opportunities it is thinking to diversify into manufacture of new range of electronic toys for which a new market is emerging.

a] Prepare a report regarding organisation structure giving concrete reasons with regard to benefits the company will derive from the steps it should take. 4

Q.10 Ishita works as a corporate event coordinator in an event management company. She has been made an overall official incharge for organizing a painting exhibition for one of the clients of the company. For ensuring that the exhibition takes place successfully, she identifies the various activities involved and divides the whole work into various task groups like marketing committee, decoration committee and reception committee. In order to facilitate coordination within and among committees, she appoints a supervisor of each group. Each member in the group is asked to report to their respective supervisors and all the supervisors are expected to work as per Ishita's orders. In context of the above case:

- (a) Identify the function of management being performed by Ishita.
- (b) Describe briefly the various steps involved in the performance of the function of management as identified in part (1) of the question. 6

**Activity: Identify the key words and write their proper heads and sub heads:**

| Key Words  | Topic | Sub - Topic |
|--|-------|-------------|
| a) Comparing actual performance with standard performance and analysing deviations |       |             |
| b) Responsible for the growth and survival of the firm                             |       |             |
| c) Oversee the activities of actual workforce                                      |       |             |
| d) Right person for the right job  |       |             |
| e) Concerned with doing the right task   |       |             |
| f) Concerned with only cost reduction  |       |             |
| g) It can't be seen but its presence can be felt                                   |       |             |
| h) Present everywhere irrespective of any organisation                             |       |             |
| i) Has to adapt itself according to the changes taking place in the environment    |       |             |
| j) Interlinked with both work and people   |       |             |
| k) As a part of society, it has some obligations towards society also              |       |             |
| l) Maintains the safety standards and quality of output                            |       |             |

**Subject: Accountancy**

- Q.1 Assertion (A): 'Receipt of dividend' can never be classified under operating activities. Reason (R): For financial companies, receipt of dividend is considered main revenue generating activity of business. Choose the correct alternative from the following: 1
- (a) Both statement (A) and statement (B) are correct.  
(b) Statement (A) is correct and statement (B) is incorrect.  
(c) Statement (A) is incorrect and statement (B) is correct.  
(d) Both statement (A) and statement (B) are incorrect.
- Q.2 Which of the following will be shown under 'Financing Activities'? 1
- (i) Issue of shares (ii) Issue of debentures  
(iii) Purchase of new Plant and Machinery (iv) Increase in Inventories  
(v) Bank overdraft raised  
(a) Only (i) and (ii)  
(b) Only (iii) and (v)  
(c) (i), (ii) and (v)  
(d) (i), (ii), (iii) and (v)
- Q.3 In a firm, 10% of net profit after deducting all adjustments, including reserve is transferred to general reserve. The net profit after all adjustments but before transfer to general reserve is ₹ 88,000. Calculate the amount which is to be transferred to reserve. 1
- (a) ₹ 5,000 (b) ₹ 8,000  
(c) ₹ 8,800 (d) ₹ 4,400
- Q.4 A, B, C are partner with ₹10,000, ₹20,000, ₹30,000 capital respectively. Profits are to be divided equally. Interest on capital to be provided @ 10% p.a. Net profit is ₹ 12,000. What is C's share's of profit? 1
- (a) ₹ 2,000 (b) ₹ 4,000 (c) ₹ 6,000 (d) ₹ 3,000
- Q.5 If there exist insufficient profits for appropriations, the available profit is distributed in: 1
- (a) Profit-sharing ratio (b) Appropriation ratio  
(c) Capital ratio (d) Equally
- Q.6 State which of the following would result in inflow, outflow or no flow of cash: 3
1. A long-term loan from a bank  
2. Repayment of long-term loan.  
3. Payment of interest on loan.  
4. Conversion of debentures into preference shares.  
5. Interest received on investments.  
6. Interest due on debentures.
- Q.7 P and Q were partners in a firm sharing profits in 3:1 ratio. Their respective fixed capitals were ₹10,00,000 and ₹6,00,000. The partnership deed provided interest on capital @ 12 % p.a. even if it will result into a loss to the firm. The net profit of the firm for the year ended 31st March, 2023 was ₹1,50,000. Pass necessary journal entries in the books of the firm allowing interest on capital and division of profit/loss amongst the partners.
- Q.8 Assuming that the debt equity ratio is 2. State giving reasons whether this ratio would increase, decrease or remain unchanged in the following cases. 4
- (i)Purchase of fixed assets on a credit of two months  
(ii)Purchase of fixed assets on long-term deferred payment basis  
(iii)Issue of new shares for cash

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(iv) Issue of bonus shares

Q.9 (i) Compute 'working capital turnover ratio' from the following information Cash revenue from operations Rs 1,30,000, credit revenue from operations Rs 3,80,000, sales returns Rs 10,000, liquid assets Rs 1,40,000, current liabilities Rs 1,05,000 and inventory Rs 90,000.

(ii) Calculate 'debt equity ratio' from the following information Total assets Rs 3,50,000, total debt Rs 2,50,000 and current liabilities Rs 80,000

4

Q.10 Cash flow from the operating activities of Vira Ltd. for the year ended 31st March 2023 was 28,000. The Balance Sheet along with notes to accounts of Vira Ltd. as at 31st March,2023 is

given below: Prepare Cash flow Statement

| Particulars                      |   | ₹                | ₹               |
|----------------------------------|---|------------------|-----------------|
| <b>I-EQUITY AND LIABILITIES:</b> |   |                  |                 |
| 1. Shareholders' Funds           |   |                  |                 |
| (a) Share Capital                | 1 | 9,00,000         | 5,00,000        |
| (b) Reserves and Surplus         |   | 90,000           | 1,10,000        |
| 2. Non-Current Liabilities       |   |                  |                 |
| (a) Long-term Borrowings         | 2 | 3,00,000         | 2,00,000        |
| 3. Current Liabilities           |   |                  |                 |
| (a) Trade Payables               |   | 60,000           | 80,000          |
| <b>Total</b>                     |   | <b>13,50,000</b> | <b>8,90,000</b> |

|   |   |                        |                      |
|---|---|------------------------|----------------------|
| <b>II-ASSETS</b>  |   |                        |                      |
| 1. Non-Current Assets   |   |                        |                      |
| (a) Property, Plant and Equipment and Intangible Assets                             | 3 |                        |                      |
| (i) Property, Plant and Equipment   | 4 | 7,46,000               | 5,24,000             |
| (ii) Intangible Assets  |   | 36,000                 | 76,000               |
| 2. Current Assets   |   |                        |                      |
| (a) Current Investments   |   | 1,30,000               | 20,000               |
| (b) Inventories   |   | 2,00,000               | 1,30,000             |
| (c) Cash and Cash Equivalents   |   | 2,38,000               | 1,40,000             |
| <b>Total</b>  |   | <b>13,50,000</b>       | <b>8,90,000</b>      |
| <b>Notes to Accounts:-</b>  |   |                        |                      |
| 1. Reserves and Surplus:<br>(Balance in Statement of Profit and Loss)               |   | 90,000                 | 1,10,000             |
| 2. Long-term Borrowings:<br>9% Debentures   |   | 3,00,000               | 2,00,000             |
| 3. Property, Plant and Equipment<br>Plant and Machinery<br>Accumulated Depreciation |   | 8,86,000<br>(1,40,000) | 6,04,000<br>(80,000) |
| 4. Intangible Assets:<br>Goodwill   |   | 7,46,000<br>36,000     | 5,24,000<br>76,000   |

## Class 12 Worksheet 4

2 Additional information:- 11

(i) A machinery of the book value of ₹90,000 (depreciation provided thereon was ₹23,000), was sold at a profit of ₹12,000.

(ii) 9% Debentures were issued on 1st April 2022.

### Activity: Jumbled word quiz

- |   |                                 |
|---|---------------------------------|
| 1. Example of inventories                 | EOLOS LSOOT                     |
| 2. Limitation of financial Analysis       | NODWWI ESNRSIGD                 |
| 3. Main heading of Equity and Liabilities | EARHS TNILPAPIAOC NYOEM         |
|   | NENDGPI ELNLOTMTA               |
| 4. Example of current Investment          | ERLABTAEKM ETIUSSERCI           |
| 5. Example of other current liability     | NCURTER TMRISAIUTE FO OGNL MTER |
|   | DTSEB                           |

**Subject: Economics**

**Answer the following questions:**

- Q1. Explain the currency authority function of Central Bank. 2
- Q2. Explain lender of the last resort function of the Central Bank. 2
- Q3. Explain the banker to the government function of the Central Bank. 2
- Q4. Explain the meaning of Cash Reserve Ratio and Statutory Liquidity Ratio. 2
- Q5. State three main functions of commercial bank. Explain any one of them. 2
- Q6. Explain any two functions of a Central Bank. 3
- Q7. What is bank rate policy? How does it work as a method of credit control? 3
- Q8. What are open market operations? How do these work as a method of credit Control? 3
- Q9. State three methods of credit control used by the Central Bank. 3
- Q10. Explain any two main functions of commercial banks. 3