



St. Mary's School, Dwarka
Holiday Homework
Class XI
Worksheet 3

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 following passage carefully.

As winter sets in, many birds leave their nests and fly back long distances to warmer places. There, it is easier for them to find enough food and breeding grounds. In spring they fly back to their homes. This amazing annual journey is called migration. Some mammals and fish also migrate. Most species of penguins swim to migrate.

Long ago people did not know where birds went in winter. Some believed that they flew up to some other planet. Others thought that they hid in the bottom of the wells.

The Arctic Tern is the greatest traveller of all. Each year it flies from the Arctic to the Antarctic and back again. This to-and-fro journey is almost 40,000 kilometers. Scientists have still not been able to find out how these birds travel so accurately every year. They probably use the Sun and the stars as guides, or maybe the rivers and the mountains.

While the Arctic Tern flies the longest distance, the Bar Headed Geese fly the greatest heights, close to eight kilometers. Huge flocks of geese fly over the Himalayas, the highest mountains in the world. They fly almost as high as a jet plane. Most of the other migratory birds fly below 100 meters.

The migratory birds that visit our country include the pelicans, the beautiful Brahminy Duck, the colourful Mallards, the Pintails and the Little Stints. Most of these guests migrate from Central Asia and Europe. Birds such as Spoonbills, Pied Cuckoos and Painted Stork migrate within our country.

The journey of the migratory birds is not very safe. There are many threats. In addition to bad weather and exhaustion, there is a constant threat from human activities. Deforestation, effluents from factories and harmful gases are great obstacles in this great endeavour.

Based on your reading of the passage, answer the questions given below:- (1x5=5)

(i) What do you understand by the term 'migration'? (1)

- a) a long and tiring journey
- b) travelling away from home
- c) travelling to warmer places during winter
- d) journey undertaken for adventures and thrill

(ii) What did the people think about the migratory birds long ago? (1)

- a) travelled under the spell of a magician
- b) were hunted down by hunters and predators
- c) loved to change their nests to experience adventure
- d) travelled to other planets or hid at the bottom of the wells

(iii) How do the migratory birds find their way? (1)

- 1. by pheromones secreted by other birds
- 2. they have a very sharp eyesight
- 3. following the Sun and the stars
- 4. use rivers as mountains and guides
 - a) only 1
 - b) only 3
 - c) Both 1& 4
 - d) Both 3&4

iv) According to the passage, which human activities disturb the migratory birds? (1)

- a) rapidly increasing plastic pollution
- b) heaps of garbage littered here and there
- c) cutting of trees and poisonous gases from industries
- d) radiation from mobile towers

(v) Choose the words from the passage which mean the same 'exhaustion'. (1)

- a) fatigue
- b) depression
- c) expression
- d) laziness

Q2. Metro rail is a blessing to the people living in Delhi. It has given them comfort from travelling on jammed roads. It offers clean, comfortable yet affordable travelling. Write an article about the importance of Metro Rails in Delhi in about 120 to 150 words. Also, provide a suitable title to your title. (Divide your articles into paragraphs and write using the correct format the correct format) (5)

Q3. Rearrange the parts of the sentence in the correct order. (2)

(1)

- A. with sheer determination and**
- B. although the journey was challenging,**
- C. the team managed to reach the summit**
- D. unwavering support from one another.**

Options:

- a) A - C - B - D
- b) B - C - A - D
- c) C - B - A - D
- d) A - B - D - C

(2)

- A. leading to a more interconnected world.
- B. the rapid development of technology
- C. has significantly transformed
- D. the way we communicate and access information,

Options:

- a) A - C - B - D
- b) A - B - C - D
- c) B - A - D - C
- d) B - C - D - A

Q4. Fill in the blanks with the correct form of the word given in the bracket:- (3)

Priyam(a)_____ (go) to the Taj Holiday Village in Cochin with her parents for a holiday. She got a call from her grandmother(b)_____ (ask) her what were they doing there. Priyam told her grandmother that her father and brother(c) _____ (swim) in the pool. She also told her grandmother what(d)_____ (do) she did the day before. She said that she(e) _____ (go) to the beach where she(f) _____ (see) vendors selling food items and pearls to the tourist.

Q5. Read the extract given below and answer the questions that follow:- (1x2=2)

My grandmother always went to school with me because the school was attached to the temple. The priest taught us the alphabet and the morning prayer. While the children sat in rows on either side of the verandah singing the alphabet or the prayer in a chorus, my grandmother sat inside reading the scriptures. When we had both finished, we would walk back together. This time the village dogs would meet us at the temple door. They followed us to our home growling and fighting with each other for the chapattis we threw to them.

(i) Why would grandmother accompany the author to his school?

- A. to keep an eye on him
- B. to wait for him to take him back to home
- C. because of the temple attached to the school
- D. she wanted to meet villagers

(ii) What would the grandmother do in the temple daily?

- A. meditate for peace
- B. read holy scriptures
- C. sing religious prayers
- D. teach other kids religious prayers

Q6. 'When people are pious, kind-hearted and God-fearing even nature mourns their death'. Justify this statement with reference to the lesson 'The Portrait of a Lady'. (60 to 80 words) (3)

Q7. You read the story 'The Portrait of a Lady' by Khushwant Singh. Using your imagination and creativity design a colourful cover page for the lesson. Also, think of an alternate title for the lesson. (5)

Subject: Mathematics

Q.1) If ABCD is a cyclic quadrilateral, then show that $\cos A + \cos B + \cos C + \cos D = 0$. (2)

Q.2) If $f(x) = \frac{x-1}{x+1}$, then show that: (2)

(i) $f\left(\frac{1}{x}\right) = -f(x)$ (ii) $f\left(-\frac{1}{x}\right) = -\frac{1}{f(x)}$.

Q.3) Find the domain and range of the function $f(x) = \frac{4-x}{x-4}$. (2)

Q.4) Let X = the set of all letters in the word 'NEW DELHI' and Y = the set of all the letters in the word 'CHANDIGARH'. Find: (2)

(i) $X \cup Y$ (ii) $X \cap Y$ (iii) $X - Y$ (iv) $Y - X$

Q.5) Show that $\cot x \cot 2x - \cot 2x \cot 3x - \cot 3x \cot x = 1$. (2)

Q.6) If $\tan x = \frac{b}{a}$, then find the value of $\sqrt{\frac{a+b}{a-b}} + \sqrt{\frac{a-b}{a+b}}$. (3)

Q.7) Draw the graph of the function $f(x)$ defined by $f(x) = 2 - |x - 1|$. Hence find its range. (3)

Q.8) Let R be a relation from Q to Q defined by: (3)

$R = \{ (a, b) : a, b \in Q \text{ and } a - b \in Z \}$.

- Show that: (i) $(a, a) \in R$ for all $a \in Q$
 (ii) $(a, b) \in R$ implies $(b, a) \in R$
 (iii) $(a, b) \in R$ and $(b, c) \in R$ implies $(a, c) \in R$

Q.9) Prove that $\sin 10^\circ \sin 50^\circ \sin 60^\circ \sin 70^\circ = \frac{\sqrt{3}}{16}$. (3)

Q.10) State whether $A = B$ in the following cases or not? (3)

- (i) $A = \{ x : x \in N \text{ and } 3x - 1 < 2 \}$, $B = \{ x : x \in W \text{ and } 3x - 1 < 2 \}$
 (ii) $A = \{ x : x \in I \text{ and } x^2 \leq 4 \}$, $B = \{ x : x \in R \text{ and } x^2 - 3x + 2 = 0 \}$
 (iii) $A = \{ x : x \text{ is a letter in the word LOYAL} \}$
 $B = \{ y : y \text{ is a letter in the word ALLOY} \}$

Activity Work:

To create a visual diary of graphs showcasing various algebraic functions and trigonometric functions to further determine each function's domain and range.

Subject: Physics

Worksheet 3 (Motion in a plane)

Instructions:

- Neatly write all the answers in your assignment notebook.
- Attempt the questions keeping in mind the weightage of each question.

Q1. If a particle moves from point $P(2,3,5)$ to point $Q(3,4,5)$. Its displacement vector be 1

- (A) $\hat{i} \square \hat{j} \square 10\hat{k}$ (B) $\hat{i} \square \hat{j} \square 5\hat{k}$ (C) $\hat{i} \square \hat{j}$ (D) $2\hat{i} \square 4\hat{j} \square 6\hat{k}$

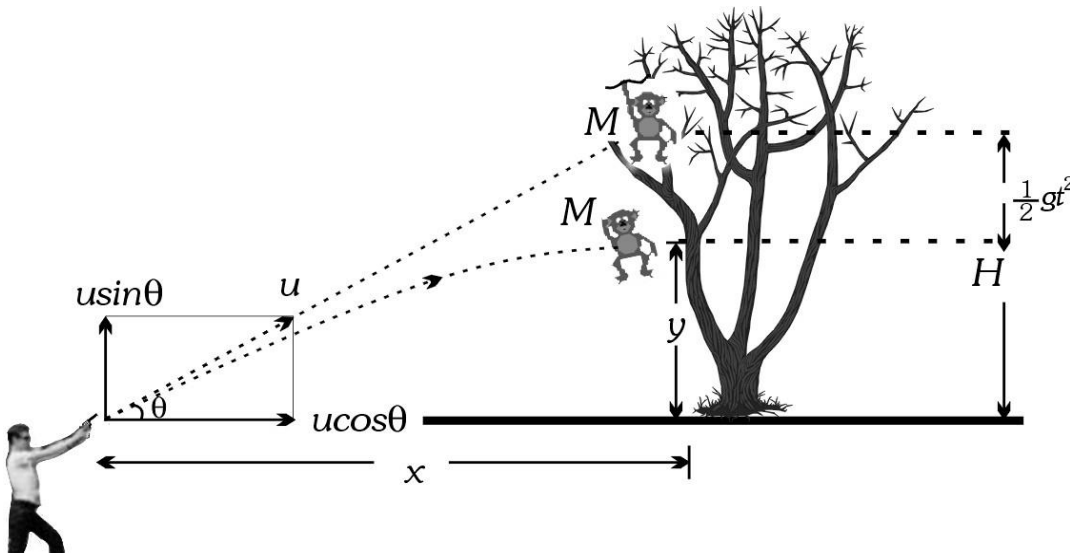
Q2. Two cars are moving in the same direction at the same speed, 30 km/hr . They are separated by 5 km , the speed of a car moving in the opposite direction if it meets these two cars at an interval of 4 minutes, will be 1

- (A) 40 km/hr (B) 45 km/hr (C) 30 km/hr (D) 15 km/hr

Q3. Assertion: A vector can have zero magnitude if one of its rectangular components is not zero.

Reason: Scalar product of two vectors cannot be a negative quantity. 1

Q4. A hunter aims his gun and fires a bullet directly towards a monkey sitting on a distant tree. If the monkey remains in his position, he will be safe but at the instant the bullet leaves the barrel of gun, if the monkey drops from the tree, the bullet will hit the monkey because the bullet will not follow the linear path.



The path of motion of a bullet will be parabolic and this motion of bullet is defined as projectile motion. If the force acting on a particle is oblique with initial velocity, then the motion of particle is called projectile motion. Find the following.

(i) Change in velocity (Between projection point and highest point) 1

(a) $\Delta \vec{u} = \vec{u}_f - \vec{u}_i = -u \sin \theta \hat{j}$ (b) $\Delta \vec{u} = \vec{u}_f - \vec{u}_i = u \sin \theta \hat{j}$

(c) $\vec{u} = \vec{u}_f - \vec{u}_i = -u \sin \theta \hat{i}$ (d) $\Delta u = \vec{u}_f - \vec{u}_i = -2u \sin \theta \hat{i}$

Class 11 Worksheet 3

- (ii) Change in velocity (Between complete projectile motion) 1
 (a) $u = u_f - u_i = -u \sin \theta \hat{i}$ (b) $\Delta u = u_f - u_i = -2u \sin \theta \hat{i}$
 (c) $\Delta \vec{u} = \vec{u}_f - \vec{u}_i = -u \sin \theta \hat{j}$ (d) $\Delta \vec{u} = \vec{u}_f - \vec{u}_i = u \sin \theta \hat{j}$
- (iii) Change in momentum (Between projection point and highest point) 1
 (a) $\Delta p = p_f - p_i = -mu \sin \theta \hat{j}$ (b) $p = p_f - p_i = mu \sin \theta \hat{j}$
 (c) $\Delta \vec{p} = \vec{p}_f - \vec{p}_i = -2mu \sin \theta \hat{j}$ (d) $\vec{p} = \vec{p}_f - \vec{p}_i = 2mu \sin \theta \hat{j}$
- (iv) Change in momentum (For the complete projectile motion) 1
 (a) $\Delta \vec{p} = \vec{p}_f - \vec{p}_i = 2mu \sin \theta \hat{j}$ (b) $\Delta \vec{p} = \vec{p}_f - \vec{p}_i = -2mu \sin \theta \hat{j}$
 (c) $\Delta \vec{p} = \vec{p}_f - \vec{p}_i = -mu \sin \theta \hat{j}$ (d) $\Delta \vec{p} = \vec{p}_f - \vec{p}_i = mu \sin \theta \hat{j}$

Q5. Prove the following: 2

$$(2\vec{A} + 3\vec{B}) \cdot (\vec{A} - 7\vec{B}) = 2A^2 - 21B^2 - 11AB \cos \theta.$$

Q6. Show that the vectors $\vec{A} = \hat{i} + 2\hat{j} + 3\hat{k}$ and $\vec{B} = 2\hat{i} - \hat{j}$ are perpendicular to each other. 2

Q7. If $\vec{A} = 4\hat{i} + 6\hat{j} - 3\hat{k}$ and $\vec{B} = -2\hat{i} - 5\hat{j} + 7\hat{k}$, find the angle between the vectors. 3

Q8. Find the angle between the vectors $\vec{A} = \hat{i} + 2\hat{j} - \hat{k}$ and $\vec{B} = -\hat{i} + \hat{j} - 2\hat{k}$. 3

Q9. Find the unit vector perpendicular to each of the vectors $\vec{A} = 3\hat{i} + \hat{j} + 2\hat{k}$ and $\vec{B} = 2\hat{i} - 2\hat{j} + 4\hat{k}$ and the angle between them. 3

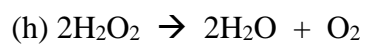
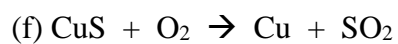
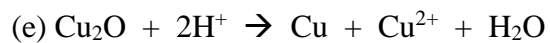
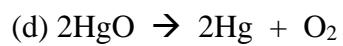
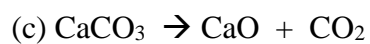
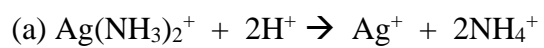
Q10. (a) If $\vec{A} = 4\hat{i} - 5\hat{j} + 6\hat{k}$, $\vec{B} = 3\hat{i} + 6\hat{j} - 7\hat{k}$; find $\vec{A} + \vec{B}$, $\vec{A} - \vec{B}$, $\vec{A} \cdot \vec{B}$ and $\vec{A} \times \vec{B}$. 5

(b) Show that the vectors $\vec{A} = 6\hat{i} + 9\hat{j} - 12\hat{k}$ and $\vec{B} = 2\hat{i} + 3\hat{j} - 4\hat{k}$ are parallel

Subject: Chemistry

- Q.1 A pure substance which contains only one type of atom is called _____.
- (a) An element
(b) a compound
(c) a solid
(d) a liquid 1
- Q.2 The significant figures in 0.00051 are _____.
- (a) 5 (b) 3 (c) 2 (d) 26 1
- Q.3 Formation of CO and CO₂ illustrates the law of _____.
- (a) Law of conservation of mass
(b) Law of Reciprocal proportion
(c) Law of Constant Proportion
(d) Law of Multiple Proportion 1
- Q.4 Commercially available HBr solution contains 48% HBr by mass. What is the molarity of this solution? The density of the solution is 1.50 g cm⁻³. 2
- Q.5 Give the IUPAC names of the following compounds:
- (i) (CCl₃)₃CCl (ii) CH₃C(p-ClC₆H₄)₂CH(Br)CH₃
(iii) (CH₃)₃CCH=CClC₆H₄I-p 3
- Q.6 Name the following compounds according to IUPAC system of nomenclature:
- (i) CH₃CH(CH₃)CH₂CH₂CHO (ii) CH₃CH₂COCH(C₂H₅)CH₂CH₂Cl
(iii) CH₃CH=CHCHO 3
- Q.7 Write IUPAC names of the following compounds:
- (i) (CH₃)₂CH-CH(OH)-C(CH₃)₃
(ii) CH₃-CH(OH)-CH₂-CH(OH)-CH(C₂H₅)₂
(iii) CH₃-CH(OH)-CH(OH)-CH₃ 3
- Q.8 Draw the structures of the following compounds.
- (i) 3-Methylbutanal (ii) p-Nitropropiophenone
(iii) p-Methylbenzaldehyde 3
- Q.9 Balance the following by ion-electron method. (Acidic medium)
- Mn²⁺ + S₂O₈²⁻ ----→ MnO₄⁻ + HSO₄⁻ 3

Q.10 Which of the following are examples of disproportionation reactions ?



5

Subject: Biology

- Q1. Diatoms are also called as ‘pearls of ocean’, why? (1)
- Q2. What is diatomaceous earth? (1)
- Q3. Write any two differences between Phycomycetes and Ascomycetes. (1)
- Q4. Cyanobacteria and heterotrophic bacteria have been clubbed together in Eubacteria of kingdom Monera as per the “Five Kingdom Classification” even though the two are vastly different from each other. Is this grouping of the two types of taxa in the same kingdom justified?
If so, why? (2)
- Q5. Discuss how classification systems have undergone several changes over a period of time? (2)
- Q6. The common name of pea is simpler than its botanical (scientific) name *Pisum sativum*. Why then is the simpler common name not used instead of the complex scientific/botanical name in biology? (2)
- Q7. Describe the three groups of Archaeobacteria. (3)
- Q8. Draw a well-labelled diagram of a bacteriophage. (3)
- Q9. Make a comparative account of the five kingdoms (in Whittaker’s classification) on the following characters: a) Cell wall (b) Body organisation. (5)
- Q10. (a) Give a comparative account of the classes of Kingdom Fungi under the following:
i) Mode of nutrition
ii) Mode of reproduction.
Give a brief account of viruses with respect to their structure and nature of genetic material. Also name two viral diseases in plants. (2.5+2.5 = 5)

Subject: Computer Science

Q1 What does a cross platform language mean? 2

Q2 Predict the output: 2

a)

```
a, b, c = 30, 13, 23
a, b, c = a * a, a * b, a * c
print(a, b, c)
```

Q3 Following set of commands are executed in shell, what will be the output? 2

```
>>>str="hello python"
```

```
>>>str *2
```

Q4 Which of the following identifiers are invalid? Give reason for its invalidity. 1x3=3

a) 90_a = 1 b) a-6 = 1 c) break = 7

Q5 Write the purpose of id() and type () functions in Python. 2

Q6 What is the difference between keywords and identifiers? 2

Q7 What are the advantages and disadvantages of working in the interactive mode in Python? 2

Q8 How are floating constants represented in Python? Give examples to support your answer. 3

Q9 What are tokens in Python? How many types of tokens are allowed in python? Exemplify your answer. 4

Q10 Explain any three benefits of Python. 3

Do it in the Practical File :

Write programs in Python to do the following:

a) Calculate compound interest for given values.

b) Find Area and circumference of a circle

Subject: Psychology

- | | |
|---|---|
| Q1. Define the term 'objectivity'. | 1 |
| Q2. _____ pioneered both the development of statistic and the study of individual difference. | 1 |
| Q3. What is validity? | 2 |
| Q4. What are norms? | 2 |
| Q5. What is data? | 2 |
| Q6. What do you mean by standardization test? | 2 |
| Q7. Describe the quantitative method of analyzing data. | 3 |
| Q8. What is variable? Discuss different types of variables. | 4 |
| Q9. What is the different type of observation? | 4 |
| Q10. What are the various techniques to control relevant or extraneous variable? | 4 |

Subject: Economics

- Q1. Explain the factors affecting elasticity of demand. (2)
- Q2. Write three exceptions of law of demand. (2)
- Q3. What do you mean by consumer's equilibrium? Explain. (2)
- Q4. A consumer has Rs 40 and both goods X and Y are priced at Rs 20 and are available in integer units, (a) Give the bundles that this consumer can afford (b) give the bundles that cost exactly Rs 40. (2)
- Q5. Give reasons for the following statements: (2)
- 1) If the income of a consumer changes and prices of the two goods remain unchanged, a new budget line will be formed which will be parallel to the original line.
 - 2) If the income of the consumer remains unchanged and if the price of goods X rises, intercept of the budget line of Y-axis will remain the same, but on the X-axis it will shift to the left.
- Q6. Giving reasons, comment on the following statements: (3)
- a) A consumer's equilibrium is always formed at a point on the given budget line.
 - b) A consumer's equilibrium will shift to a higher indifference curve with an increase in consumer's income.
- Q7. Giving reasons, state why the following two conditions must be satisfied when a consumer is in equilibrium. (3)
- a) A budget line must be tangent to an indifference curve.
 - b) Marginal rate of substitution must be diminishing.
- Q8. Explain market rate of exchange. (3)
- Q9. Derive the law of demand from the two-commodity equilibrium condition "Marginal Utility = price ratio through utility approach". (3)
- Q10. Describe the assumption which is made to determine the consumer's equilibrium position. (3)

Subject: Political Science

Q.1	Write the definition of 'Political Theory'.	1
Q.2	How is the study of political theory useful?	1
Q.3	Write two main features of negative liberty.	2
Q.4	What are the legal and social constraints on Freedom?	2
Q.5	What is the relation between Economic and Political Liberty?	2
Q.6	What is meant by:	
	a) Natural Inequalities	
	b) Social Inequalities	2
Q.7	How can social and law inequality be overcome?	2
Q.8	What is the importance of equality?	4
Q.9	Describe and compare the theories of Free Market and State Intervention.	4
Q.10	Describe John Stuart Mill's views in the defense of freedom of expression including freedom of thought and discussion.	5

Subject: Physical Education

- Q. 1. rackets are used in which of the following games. 1
(a) Tennis (b) Table Tennis
(c) Badminton (d) All of these
- Q. 2. Which technology is being used in cricket? 1
(a) Hawkeye Technology (b) Hifi Technology
(c) Hockey Technology (d) None of these
- Q. 3. What is the full form of RFID chips? 1
(a) Radio Frequency Issuance (b) Radio Frequency Identification
(c) Radio Frequency Indication (d) None of these
- Q. 4. Which course of Physical Education is not recognized by NCTE? 1
(a) D.P.Ed. (b) B.P.Ed
(c) M.P.Ed. (d) B.P.E.S
- Q. 5. Explain the various performance-related careers. 3
- Q. 6. Elaborate various careers available in Physical Education. 3
- Q. 7. What are the various levels where Physical Education teachers can teach? 5
- Q. 8. What are the aims of Khelo-India Programme? 5
- Q. 9. How did the Modern Olympic games originate? 5
- Q. 10. What are the objectives of Special Olympics? 5

Subject: Painting

General Instructions:

❖ The work should be done neatly and creatively.

❖ The given witting assignments are to be done in notebook and practical in A4 size Sketch book .

Q1. Give location of Bhimbetka cave. (2)

Q2. Who is Priest King ? Give details for the same. (2)

Q3. What kind of Painting we found in Bhimbetka caves? (2)

Q4. Draw a pencil sketch of a lady whose doing household works. (3)

Q5. Draw and paint life study of grandmother/grandfather with seating and chatting .

(water/poster,/acrylic) (16)

Subject: Informatics Practices

Answer the following questions:

Q1 What does a cross platform language mean? 2

Q2 Predict the output: 2

a)

```
a, b, c = 30, 13, 23
a, b, c = a * a, a * b, a * c
print(a, b, c)
```

Q3 Following set of commands are executed in shell, what will be the output? 2

>>>str="hello python"

>>>str *2

Q4 Which of the following identifiers are invalid? Give reason for its invalidity. 1x3=3

a) 90_a = 1 b) a-6 = 1 c) break = 7

Q5 Write the purpose of id() and type () functions in Python. 2

Q6 What is the difference between keywords and identifiers? 2

Q7 What are the advantages and disadvantages of working in the interactive mode in Python? 2

Q8 How are floating constants represented in Python? Give examples to support your answer. 3

Q9 What are tokens in Python? How many types of tokens are allowed in python? Exemplify your answer. 4

Q10 Explain any three benefits of Python. 3

Do it in the Practical File :

Write programs in Python to do the following:

- a) Calculate compound interest for given values.
- b) Find Area and circumference of a circle

Subject: Business Studies

- Q.1 Application for approval of name of a company is to be made to..... 1
(a) SEBI (b) Registrar of Companies
(c) Government of India (d) Government of the state in which company is to be registered
- Q.2 Identify the related feature of a company," its Assets and liabilities are separate from those of its owners." 1
(a) Artificial person (b) Perpetual succession
(c) Common seal (d) Separate legal entity
- Q.3 A Statement in lieu of prospectus may be issued by..... 1
(a) Public company (b) Private company
(c) Both public and private company (d) None of the above
- Q.4 Assertion (A) In a limited partnership the liability of at least one of the partners is unlimited.
Reason (R) The liability of a partner by estoppel is limited.
Choose the correct option: 1
(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)
(b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A)
(c) Assertion (A) is true, but Reason (R) is false
(d) Assertion (A) is false, but Reason (R) is true
- Q.5 Assertion (A) Personal assets of the partners may be used to pay-off business debts in case of insufficiency of business assets.
Reason (R) Partners of a firm have unlimited liability.
Choose the correct option: 1
(a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A)
(b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A)
(c) Assertion (A) is true, but Reason (R) is false
(d) Assertion (A) is false, but Reason (R) is true
- Q.6 "Business risks take place due to carelessness of people only." Do you agree? Give reasons. 3
- Q.7 Reyansh Communication Limited and Aayansh Communication Limited entered into partnership contract to produce a movie based on the social issue of female foetic to showcase the future of the country, if we keep killing the girl child. In context of the above case:
(a) Identify and explain the type of partnership being described in the above lines
(b) Also, state the category of types of partnership to which it belongs.
(c) Describe in brief, any other type of partnership belonging to the same category. 3
- Q.8 Rajagopalan is running a take away fast food joint in Assam under the name 'Taste of Assam'. Recently, when his cousin Devidayal organised a party at his place he had placed an order for

Class 11 Worksheet 3

food at 'Taste of Assam' worth ₹ 7,500. However, Rajagopalan decided not to take the money from Devidayal because of his love and affection for him.

(i) Will this activity related to the supply of food from Rajagopalan's restaurant to Devidayal be classified as a business activity? Why or why not?

(ii) State the feature of business reflected above. 4

Q.9 After completing their graduation, Salman and Ram decided to set up a flour mill to earn income. Their main job is to purchase wheat from the market and have ground it into flour. Their flour is available in the packets of 5 kg, 10 kg and 20 kg. They sell these under the brand name 'Desh ka Atta', and earn a reasonable profit of 10% of cost. They worked very hard to flourish the business on a regular basis, and hence in no time their brand became very popular in the market. The main reasons for the success of their business are superior quality and low price. Their business was running very well. But one day, the flour mill caught fire, and as a result they had to suffer a heavy loss. However, Salman and Ram did not lose their heart, and worked even harder. Gradually, their business was back to normal. Now, they are fully satisfied with their business. Quoting the lines from the above paragraph, identify any four characteristics of business. 4

Q.10 Reyansh is the sole owner of a shoe manufacturing factory. He took a loan of 20 lakhs from ABC Finance Company for the expansion of his business. Because of continuous losses however, he was not able to repay the loan on time. Assets of the business were not enough for repaying liabilities in full. As a result, the Finance Company asked him to repay their loan. He refused to do so on the ground that the loan was taken by his business and not by him for his personal use. The Company filed a case against him. The court gave a decision in favour of the Company on the ground that Reyansh was operating as the sole proprietor and a sole proprietor did not have a separate entity distinct from his own. The Court further stated that Reyansh had unlimited liability and held him liable to repay the loan even by selling his personal property if need be.

(a). Name the form of business which is being carried out by Reyansh.

(b). What type of liability is enjoyed by Reyansh?

(c). Why did the Court hold Reyansh responsible for paying his business liabilities out of his personal assets?

(d). Name that characteristic of sole proprietorship which facilitates the sole proprietor to take all decisions related to his business without consulting anybody. 6

Activity: Create a crossword puzzle on importance and limitations of Joint Stock Company by using the app <https://learningapps.org/>

Subject: Accountancy

- Q.1 The cost of a small calculator is accounted as an expenses and not shown as an asset in the financial statement of a business entity due to: 1
- (a) Convention of full disclosure (b) Matching
c) Periodicity (d) Materiality
- Q.2 Profit should be considered only when realised, according to concept of..... 1
- a. realisation b. materiality
c. matching concept d. conservatism
- Q.3 Salary to a manager will be recorded in the book of account but appointment of a manager is not recorded due to..... 1
- a. Money measurement b. Accounting period
c. Full disclosure d. Business entity
- Q.4 According to which accounting concept, even the proprietor of the business is considered as creditor of the business: 1
- (a) Business Entity (b) Dual Aspect
(c) Materiality d) Money Measurement
- Q.5 Consistency Concept means: 1
- (a) All the firms in the same industry should use identical accounting principles and procedures
(b) Same Capital should be invested year by year
(c) Accounting Principles and methods should remain same from one year to another
(d) Accountant should not be removed from his service frequently.
- Q.6 Name and explain the accounting concept involved in following cases: 3
- (i) If a firm believes that some of its debtors may default, it should act on this by making sure that all possible losses are recorded in the books. This is an example of the _____ concept.
(ii) The fact that a business is separate and distinguishable from its owner is best exemplified by the _____ concept.
(iii) Everything a firm owns, it also owns out to somebody. This co-incidence is explained by the _____ concept.
- Q.7 In Rao's business expenses paid for the year 2023-24 are Rs.1,20,000 and Rs.25,000 are still due for rent.
- i)What is the amount for expenses to be recorded for calculating profit?
ii) Name the concept of accounting involved.
iii) Name the basis of accounting to be applied. 3
- Q.8 Which concept gives the fundamental accounting equation? Explain it. 4

Q.9 Determine if the following are assets, liabilities, revenue or expense : 4

(a) Machinery (b) outstanding rent (c) creditor (d) salary paid to worker

Q.10 Identify and explain the principles of accounting involved in the following cases: 6

a) The calibre and quality of the manager is not disclosed in the balance sheet.

b) Advanced received from customers is not taken as income or sales.

c) Assets are recorded in books at the cost incurred for acquisition of such assets.

d) Revenue must be recorded when it is realised and expenses are recorded when incurred.

e) A business for which financial statements are prepared is separate and distinct from the owner of the entity.

f) The assumption is made that the entity in question will remain in business for an indefinite period of time.

Activity: Match the Antonyms.

The image displays 25 white rounded rectangular cards, each with a colored dot (orange or blue) at the top. The cards contain the following terms:

- Bills Receivable (orange dot)
- lend (orange dot)
- creditor (blue dot)
- a sale (orange dot)
- Purchase Returns (orange dot)
- debtor (orange dot)
- earn (orange dot)
- Purchases (blue dot)
- liability (orange dot)
- a profit (blue dot)
- a loss (orange dot)
- benefit (blue dot)
- inflows (orange dot)
- expense (blue dot)
- owe (blue dot)
- buy (blue dot)
- income (orange dot)
- borrow (blue dot)
- contract (blue dot)
- spend (blue dot)
- own (orange dot)
- Bills Payable (blue dot)
- asset (blue dot)
- a purchase (blue dot)
- outflows (blue dot)

Subject: History

- Q1. Who was the founder of the Mongol Empire? 1
- Q2. In which year was the Mongol Empire founded? 1
- Q3. What was Genghis Khan's original name? 1
- Q4. Who succeeded Genghis Khan as the Great Khan of the Mongol Empire? 1
- Q5. In which languages are the most reliable sources of Mongols available? 2
- Q6. How do later Mongol reflections on the Yasa bring out the uneasy relationship they had with the memory of Genghis Khan? 2
- Q7. Why was trade so significant to the Mongols? 3
- Q8. Why did Genghis Khan feel the need to fragment the Mongol tribes into new social and military groupings? 3
- Q9. Keeping the nomadic element of the Mongol and Bedouin societies in mind, how, in your opinion, did their respective historical experiences differ? What explanations would you suggest account for these differences? 3
- Q10. Which favourable conditions encouraged Genghis Khan to launch an expedition against the Muhammad Shah of Khwarazm? 8

Subject: Geography

Q1 Read them carefully and answer the questions

1x8=8

The earth's crust is dynamic. You are well aware that it has moved and moved vertically and horizontally. Of course, it moved a bit faster in the past than the rate at which it is moving now. The differences in the internal forces operating from within the earth which built up the crust have been responsible for the variations in the outer surface of the crust. The earth's surface is continuously subjected to external forces induced by energy (sunlight). Of course, the internal forces are still active though with different intensities. That means the earth's surface is being subjected to external forces originating within the earth's atmosphere and by internal forces from within the earth. The external forces are known as exogenic forces and the internal forces are known as endogenic forces. The actions of exogenic forces result in wearing down (degradation) of relief/elevations and filling up (aggradation) of basins/ depressions, on the earth's surface. The phenomenon of wearing down of relief variations of the surface of the earth erosion is known as gradation. The endogenic forces continuously elevate or build up parts of the earth's surface and the exogenic processes fail to even out the relief variations of the surface of the earth. So, variations remain as long as the opposing actions of exogenic and endogenic forces continue.

Answer the following questions

Q 1.1 What are the external forces responsible for shaping the earth's surface? 1

a) Erosion and degradation b) Endogenic forces c) Exogenic forces d) Gradation and aggradation

Q1.2 Which term is used to describe the process of wearing down relief variations on the earth's surface through erosion? 1

a) Endogenic forces b) Gradation c) Aggradation d) Exogenic forces

Q 1.3 Why do variations in the relief of the earth's surface persist over time? 1

a). Exogenic forces are stronger than endogenic forces.

b) The earth's crust is no longer dynamic.

c) Endogenic forces continuously elevate parts of the earth's surface, countering exogenic processes.

d). External forces, such as sunlight, have a greater impact on the relief of the earth's surface.

Q1.4. What kind of changes are brought by internal forces? 1

(a) It gives birth to new landforms (b) It promotes moisture

(c) Both a and b (d) None of the above

Q1.5. All earth materials have a sloping surface and tend to move matter in a downslope direction. It is called: 1

(a) Soil erosion (b) Landslides

(c) Volcanism (d) Slump

Class 11 Worksheet 3

- Q1.6. Which of the following is a form of weathering? 1
- (a) Physical (b) Chemical
(c) Biological (d) All of the above
- Q1.7. The capacity of rocks to allow water to pass through is called..... 1
- (a) Porosity/Permeability (b) Wedging
(c) Exfoliation (d) Hydration
- Q1.8 Which force continuously elevates or builds up parts of the earth's surface? 1
- (a) Exogenic forces (b) Endogenic Forces
(c) Gradation (d) Degradation
- Q9 What is the importance of weathering? 3
- Q10 Without gravity and gradient will there be no erosion? justify. 4
- Q11 Describe the evolution of the atmosphere and hydrosphere (oceans). 5
- Q12 Explain in brief [i] Nebula hypothesis and [ii] Collision hypothesis 5