

4 SET MODEL QUESTIONS – 2081

GRADE: XI

Dear students,

Please, follow the provided instructions:

- You are advised to maintain different copies for different subjects having cover page i.e. subject wise assignment copies. [loose sheet are not allowed]
- Copying answer from others is strictly prohibited, if found, faculty will assign you double assignments and you are required to complete them in college during extra hours.
- If any cheating is found in answer copies (i.e. incomplete answer, copying from others, skipping of questions etc), then the assignment will be cancelled, and student must have to submit new assignment within a given time frame.
- Students must write question number & question of every answer. **Set 1 to Set 3 (Use only A4 size copies)**
- Those students who have passed in each subject in the **1st & 2nd Terminal Examination will do only two sets.**
- For Set-4 (**Use Regular Register copy**)

4 Set Model Questions Submission Date – Grade XI			
S. N.	Submission Date	Subjects	Remarks
1	Chaitra 20	Optional Subjects & Social Studies / Mathematics	
2	Chaitra 22	Com. Nepali & Accountancy	
3	Chaitra 24	Com. English & Economics	

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Subject: Compulsory English (Sub. Code: 0031)**Grade: XI****F.M.:75****Set- I**

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

1. Read the text and do the tasks.**15**

An interaction with media persons on ‘Role of media against modern – day slavery’ was held here today under the Community Led Action against Modern Slavery and Poverty Project, Shakti Samuha.

According to Shakti Samuha’s legal advisor and training coordinator Dilip Koirala, the objective of the programme was to seek increased media role in making all three tiers of government - federal, provincial and local – more sensitive and responsible towards the modern- day slavery issues. Koirala said, just the rescue of likely survivors and the survivors, and perpetrators was not enough to address the root cause of modern day slavery. “More awareness, broader media coverage and follow-up stories are necessary to stem this long-standing problem.” There were reports that women were transported to India keeping them in containers even during the lockdown and it suggested that women were always vulnerable to trafficking, he added. He took time to urge media to give more priority to issues concerning modern-day slavery and to contribute to fight against it which he said was also their social responsibility.

Shakti Samuha’s adviser and senior journalist Tanka Panta recalled the moment when a group of women (survivors of human trafficking), who were rescued from India in 1996, were looked down as disease carriers and greeted unwelcomingly and with disdain back to their home.

At the time, 60-70 per cent Nepali media were negative towards them, but now the trend has changed positively which is indeed a point to be noted. According to him, public awareness against human trafficking has increased and cases related to this are getting better media coverage. “Forms of human trafficking have changed over the course of time.”

Giving presentation on the role of media and human trafficking, journalist Pabitra Guragain pointed out the need of investigative reporting, training and orientation, which beat specialization, and media houses according to more priority to issues concerning human trafficking. “Only legal justice is not sufficient for survivors to live a dignified life, they need social justice as well so that they could easily adjust in society and live a dignified life. Media persons are expected to advocate for social justice to the survivors of modern-day slavery.”

Other participants of the programme stressed the need of data and evidence on the issues and support from the state mechanism to make the media coverage credible and more effective. Programme facilitator journalist

Matrika Poudel said forms of modern-day slavery were varied and it was prevalent in every sector of society.

Any behaviour which was against the consent of woman was violence against woman and it could push the survivor to modern-day slavery, he said, highlighting the need of an extended discourse on human trafficking issues/modern-day slavery in the Parliament. CLAMP project manager Sarala Tamang spoke of the need of collective effort among all stakeholders to combat human-trafficking. Shakti Samuha founder and Chair Charimaya Tamang, who chaired the programme, described human trafficking as one of the dimensions of modern-slavery, underlining the need of realization of its sensitivity by all including the media.

As she shared, human trafficking survivors, who are mostly girls and women, are socially stigmatized and as a result, survivors have not dared to break the silence and come forward. She thanked media houses for what they have done so far in creating awareness about the issue, bringing the human trafficking cases to the public and establishing the identity of Shakti Samuha as the organization fighting against human trafficking and to empowering the survivors. Shakti Samuha, an organization established by the survivors of human trafficking works against human trafficking since 1996. Thirty five people, including thirty journalists participated in the interaction.

A. Answer each of the following questions in ONE SENTENCE. (5×1=5)

- What was the interaction about?
- What did Dilip Koirala say in the programme?
- How are the survivors of human trafficking behaved in the society?
- What do the survivors need to adjust in the society?
- What do you mean by ‘modern-day slavery’?

B. Read the passage again and write

TRUE if the statement agrees with the information,

False if the statement contradicts with the information, and

Not Given if there is no information in the text.

(5×1=5)

- Slavery has been in practice since the beginning of human civilization.
- Many Nepalese women are trafficked to India for exploitative purpose.
- Just financial support is not sufficient for survivors to live a respectful life.
- Nepali media has always been positive towards victims of trafficking.
- Human trafficking survivors get socially accepted after few struggles.

C. Fill in the blanks with an appropriate word given below.

(5×1=5)

Slavery, stressed, dignified, transported, stem

- Many Nepalese women are to India for exploitative purpose.
- Financial support is not sufficient for survivors to live a life.
- You need an extra attention to your weakness.
- The participants the need of technical education for survival.
- Lack of education to women can push them to

2. **Write short answers to the following questions in about 75 words. (5×2=10)**
 - a. What is the theme of the story, “The Selfish Giant”?
 - b. Why did Jonathan mistrust the officer who wanted to take his bicycle?
What does this tell you about the situation in Nigeria? (*Civil Peace*)
 - c. Explain the lines with reference to the context:
Don’t blame me.
I just wanted to show you How clean the blue sky looks Without dust and smoke.
I wanted you to realise
How caged animals feel
In a zoo. (*Corona Says*)
 - d. What does Steve Jobs mean when he says, “you can’t connect the dots looking forward; you can only connect them looking backwards”? (*How to Live before You Die*)
 - e. How oral tradition is different from literary tradition? (*Sharing Tradition*)
3. **Write long answers to the following questions in about 150 words. (2x5=10)**
 - a. What are the seven roles that the human beings play throughout their life? (*All the World’s a Stage*)
 - b. Do you believe that Mrs. Wright killed her husband? Explain with references to the text. (*Trifles*)
4. **Write a paragraph in about 150 words about the moral values that you like most. (7)**
5. **Write a letter to your cousin brother describing the academic atmosphere of your college and how you adapted to it. (8)**
6. **Write an essay in about 300 words on “The Community Forest in Nepal.” (10)**
7. **Do as indicated in brackets. (10x1=10)**
 - a. He works very hard all the time. (*Underline the adverb in the sentence.*)
 - b. Are you believing in God? (*Write the sentence in correct form.*)
 - c. It was raining very heavy/heavily. (*Rewrite the sentence with the right word from the given options.*)
 - d. My brother speaks fluently English. (*Place the underlined word in the right position.*)
 - e. The smoke from the fire went into the sky. (*Put the correct preposition in the blank.*)
 - f. Go the building and turn left. (*Put the correct preposition in the blank.*)
 - g. I (start) a new job last week. (*Put the verb from the bracket in correct tense.*)

- h. I will be surprising/surprised if she does well in her test. (*Rewrite the sentence with the correct word.*)
- i. A number of my friends (love/loves) riding bicycles. (*Choose the right verb from the brackets to complete the sentence*)
- j. My sister swims very fast. (*Is the verb of the sentence transitive, intransitive or linking?*)

8. Do as instructed.**(5x1=5)**

- a. I have never been to Japan. Here, 'never' works as:
 - i. Adjective ii. Adverb iii. Noun iv. Verb
- b. Arrange the following words in alphabetical order:
advance analysis amuse assure allergy attain aid anxiety acute
- c. Change the following nouns into adjectives: spice, snow
- d. Use the following prepositional verbs in sentences:
apologize to, acquaint with
- e. Write antonyms of these words: practice, legible

Set- II

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Attempt **all** the questions:

1. Read the text and do the tasks.**15**

With the final draft of the national volunteering policy being finalized, the country has a unique opportunity to elevate volunteerism to the next level, leveraging it to fully achieve the Sustainable Development Goal. Often taken for granted, volunteerism instead is the next big thing that policy makers should embrace as an innovative and complementary tool to bring about social change around Nepal.

Considering the immense efforts the nation is putting on building an inclusive and federalized nation, it is particularly fascinating to imagine how civic engagement, the passion that fuels citizen's involvement in public affairs through volunteering efforts, can truly help better forms of governments, ones based on collaboration between state and non-state actors and individual citizens as well.

In a sense, we are talking about a bottom up approach to inclusive societies, where exists a real inspiration, almost an eagerness from below, to build better communities. It's, therefore, interesting that Antonio Guterres, the Secretary General of the United Nations, is spending considerable political capital on the idea of creating a new social contract, a re-setting of the existing relationships between the citizenry and the state.

Now it is up to the people to try to concretize such an idealistic, perhaps even idyllic, vision in idea that eventually could be turned into a concrete set of policies that will be localized during implementation. Discussions are underway, and opportunities for citizens from around the world to participate in the discussions are also opening up.

For example, the UNDP Human Development Report Office and United Nations Volunteers are organizing an online workshop on March 23, entitled “21st Century Reset: Human Development, volunteering and the New Social Contract”, focused on charting a bold new path to development, which requires a reset in your ways of working and collaborating. In short, this is the idea behind the new social contract, a new model of governance that could be adapted by east and west, south and north of the world, by every nation committed to a new form of people- centered governance.

Yet, concretely speaking, what would such a scenario look like for an emerging nation like Nepal? Volunteerism can be really big in this “imagination process” with millions of citizens across the country engaged in structured and impactful service experiences. But there are many other ways, all leading to better forms of people’ engagements.

Let’s start with learning. As producers of public “good”, schools, both community-run and private, have an important role to shape a new concept of citizenship among the youth, enabling curiosity, an important element for personal leadership, about how local affairs that directly affect their lives are currently run and how such affair could be better run. For example, we could have a young 11 grade female student imagining how things would turn out if effective governance is not in place. “If the local health post is and under resourced or if the local public hospital is not offering the services promised, my own future might be adversely affected because, if I or any member of my family gets sick, we could easily get into a spiral of endless debt, I would not be able to pursue higher education. The practical consequences? Me married too early or me ending up working as an “entertainer” to pay off the debts.

Such discussions should enable the youth into thinking that effective, transparent governance is not an abstract, but essential, thing that determines their future lives’ trajectories. School must play their role in enabling “engaged” critical thinking, facilitating hypothetical case study case study discussions that can generate the interest of students. The ultimate goal is to create, among the youth, a sense of ownership and attachment to the way local affairs and public policies are formulated, inspiring them to be part of such processes.

A. Answer each of the following questions in ONE SENTENCE. (5x1=5)

- a. What is necessary for the change of Nepali society?
- b. What do you mean by “a bottom up approach”?
- c. What did the online workshop on March 23 focus?

- d. What do you mean by 'volunteerism'?
- e. What can determine the future of the youth?

B. Read the passage again and write

TRUE if the statement agrees with the information,

False if the statement contradicts with the information, and

Not Given if there is no information in the text.

(5x1=5)

- a. The role of volunteerism is irrelevant in building inclusive societies in developing countries like Nepal.
- b. Volunteerism is seen as an important tool for addressing challenges such as poverty, inequality, and lack of access to services in Nepal.
- c. The government of Nepal has yet to acknowledge the importance of volunteerism in social development.
- d. Educational institutions in Nepal are incorporating civic education to teach students about community service.
- e. Nepal's government is only focused on providing financial aid to support volunteerism.

C. Find the words from the text which mean the following.

(5x1=5)

- a. characterized by the creation of new ideas or inventions
- b. having interesting qualities; captivating; attractive
- c. the act of an elevating or stimulating influence upon the intellect, emotions or creativity
- d. setting to zero
- e. having an inadequate number of workers or assistants

2. Write short answers to these questions in about 75 words. (2x5=10)

- a. Why was Aksionov imprisoned? What was the evidence against him?
(*God Sees the Truth but Waits*)
- b. What was the special painting that the narrator found in the master bedroom? Describe its features. (*The Oval Portrait*)
- c. Describe two examples of metaphor together with their meaning from the poem, "All the World's a Stage".
- d. Explain these lines with reference to the context:
And fare thee weel, my only love,
And fare thee weel a while!
And I will come again, my love,
Tho' it were ten thousand mile! (*A Red, Red Rose*)
- e. What did Mrs Wright love to do before marriage? Could she do those things easily after marriage also? Explain. (*Trifles*)

3. Write long answers to these questions in about 150 words. (2x5=10)

- a. Describe the three stories that Steve Jobs tells in his speech and the message that he conveys through them. (*How to Live Before You Die*)
- b. What makes Dona Laura think that Don Gonzalo is an ill-natured man? Why do neither Dona nor Don Gonzalo reveal their true identities? Explain. (*A Sunny Morning*)

4. Write an email to your friend living abroad stating the contributions of **Prithvi Narayan Shah** in the unification of Nepal. (7)
5. Write some paragraphs about an interesting dream that you have had. (8)
6. Write an essay in about 300 words the benefits of yoga. (10)
7. Do as indicated in brackets. (10x1=10)
 - a. She forgets closing the windows. (*Rewrite the sentence using 'tend'.*)
 - b. He's a millionaire, but he lives in a small flat. (*Join the sentences with 'in spite of'.*)
 - c. The early 1960s, the Beatles first started, was a very exciting time in pop culture. (*Complete the sentence with a correct relative pronoun.*)
 - d. I'm sure he's not going to the cinema today. (*Rewrite the sentence using 'can't'.*)
 - e. I don't know where Muna is.(you/see) her?. (*Use the correct tense of the verb in bracket.*)
 - f. Your friend has betrayed you. (*Express your regret.*)
 - g. You don't have a mobile phone. (*Express your wish in this situation.*)
 - h. Matthew be at home. I can see his bike in front of his home. (*Fill in the blank with may, must or can't.*)
 - i. Neither my brothers nor my sister (has/have) a car. (*Choose one form from the bracket to complete the sentence.*)
 - J. her old age, she is still very active. (*Fill in the blank with although/despite/however.*)
8. Do as instructed. (5x1=5)
 - a. Rudra studied Science reluctantly due to her father's pressure. Here, 'reluctantly' means:
 - i. eagerly ii. unwillingly iii. willingly
 - b. Dog registration has become a political hot potato in Sweden. Here, 'hot potato' means:
 - i. A controversial issue which is awkward to deal with
 - ii. Hot healthy food item
 - iii. Bitterness among people
 - iv. Challenge
 - c. Write the plural form of the word - cactus and mouse.
 - d. I asked him if he was attending the ceremony and he (shook/moved/nodded) his head 'no'. (*Choose the correct word from the bracket.*)
 - e. All friends, (accept/except) Nabina, came to the party. (*Choose the correct word from the bracket.*)

Set- III

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

1. Read the text and do the tasks.**15**

My son Hayden started college last week. Like many parents of freshmen, my husband and I drove him to school together, the back of the car filled with essentials like extra-long twin sheets, a clip-on light for his bunk bed and a random mix of extension cords.

The milk crates, shower caddy and three-ring binders we helped him carry up the stairs flashed me back to my own first days of college - but they weren't the only reason this experience felt so familiar.

Three decades ago, I was a freshman at the same university. Unlike Hayden, who grew up outside of New York and attended a competitive suburban high school, I was the only student from my small town in Maine to go to Yale, one of the few to even venture out of state. And I had no idea what I was getting into.

I was lucky, in a way, to be so naive; I didn't know what I didn't know. I floated through my first year obliviously unaware of the social currencies being exchanged around me, only dimly perceiving markers of wealth and status.

When a fellow student bragged about his Alfa Romeo, I thought he meant a Camaro, the fanciest car I'd ever seen. When a classmate casually mentioned that she was meeting her parents in Gstaad for the long weekend, I assumed it was a town in Connecticut. Imagine my surprise when I realized that actual Vanderbilts lived in Vanderbilt Hall.

But it wasn't just my relative lack of sophistication that made my experience so vastly different from my son's. Typewriters and carbon paper, telephones with curly cords, TVs with a few channels and no remotes, cassette tapes; compared with the tools Hayden has at his disposal, I went to college in the Stone Age.

Without even thinking about it, my son uses technology in almost everything he does, large and small. He installed Yale-specific apps on his phone that provide information about when the washers and dryers in the basement of his dorm are available, the daily menus of each dining hall, ratings of local restaurants, student contact information, the entire list of classes, and an interactive campus map that shows you where you are and where you're going.

Within minutes of learning his three suitemates' names this summer, he knew an incredible amount about them: They friended and followed each other on Facebook and Twitter and Instagram and immediately had access to each other's prom pictures, family vacation shots, performance videos, philosophical musings. They established an ongoing group text, exchanging

information such as who was bringing an Xbox and who had a coffeemaker. Soon after arriving on campus, Hayden made a spreadsheet of potential classes, vetting them in advance by using teacher rating sites and watching videos of potential professors on YouTube.

There's no question that my son is better prepared for college than I was. He manages his time better, is more efficient and more directed, and spends less time in lines and more time doing exactly what he sets out to do.

But I wonder what may be lost. I suspect it's unlikely that he will ever, as I did, trek all the way across campus on a snowy day to a friend's dorm room, only to find that person gone but another roommate available, and making a new friend in the process. He won't have to type and retype his papers — using Write-Out, no less! — to make revisions, finding in that process new insights into what he's written. I doubt that he'll make his way to a common room at 9 p.m. every Sunday to watch a specific TV show (*L.A. Law*, I'm thinking of you), bonding with a hearty group of loyalists.

A. Match the words with their correct definition. (5X1=5)

- | | |
|--------------|--|
| a. Freshman | i. without conscious awareness |
| b. naïve | ii. someone who shares your bathroom room in college |
| c. obviously | iii. say something in a boastful manner |
| d. brag | iv. a first-year student at a university or college |
| e. suitemate | v. having a lack of experience or knowledge |

B. Read the passage again and write

TRUE if the statement agrees with the information,

FALSE if the statement contradicts the information,

NOT GIVEN if there is no information in the text.

(5x1=5)

- The writer went to college in the Stone Age compared to her son.
- The writer is very worried about the college life of her son.
- Her son does almost everything using technology.
- The writer had great understanding of friendship and life.
- The main difference between her and her son's college life is due to modern technology.

C. Answer the following questions in ONE SENTENCE.

(5×1=5)

- Why did the author feel that she was lucky to be so naïve of her freshman year at college?
- Why did she say that she went to college in the Stone Age?
- What kind of technological tools can Hayden use at his college life unlike at his mother's time?
- What did Hayden know about his friends within minutes?
- What makes her college life different from her son's?

2. Write short answers to these questions in about 75 words.

(5×2=10)

- What is the theme of the story, "The Oval Portrait".
- What was the boy's wish? Was it fulfilled? (*The Wish*)

- c. What advices and warning does the speaker give to the human being in the poem, "Corona Says"?
 - d. Why are Don Gonzalo and Laura annoyed with each other at the beginning? (*A Sunny Morning*)
 - e. What are the four requirements as per Haldane? Explain then in short. (*What I Require from Life*)
- 3. Write long answers to the following questions in about 150 words. (2×5=10)**
- a. What do the two women characters - Mrs Peters and Mrs Hale - discover about Mrs Wright's condition? Do they empathise with her? Explain your answer with reference to the text. Explain. (*Trifles*)
 - b. Write a summary of the poem "A Red, Red Rose".
- 4. Suppose a child who lived in a city with his/her parents accompanied his/her father to visit an elderly grandmother in the village. The grandmother was waiting for her son to come back to the village and look after her, but her son was not willing to do so. Write a diary on behalf of the elderly grandmother describing her feeling of not living with her children and grandchildren. 7**
- 5. Suppose you are the secretary of the National Innovation Centre (NIC), Nepal and an innovator from a foreign country had a talk with its chairperson, Mahabir Pun about bilateral cooperation. Write a press release statement. 8**
- 6. Nepal has topsy-turvy political history. Many changes have been observed in different times. Write a short biography in about 300 words of any Nepali freedom fighter incorporating the changes brought under his/her leadership. 10**
- 7. Do as indicated in brackets and rewrite the sentences. (10×1=10)**
- a. Srijana will be reading a story. (*Divide the following sentences into different parts like subject, verb, object, complement, etc.*)
 - b. I didn't fix the problem. (*Change the sentence into passive.*)
 - c. I doubt if it rains later on. (*Rewrite the sentence using may/might, must or can't.*)
 - d. Ashika is worried about her exam. (*Rewrite this sentence using 'seem'.*)
 - e. I (know) Jamuna for three years. We still meet once a month. (*Use the correct tense of the verb in brackets.*)
 - f. I need to stop (doing/to do) my homework late at night. I keep making terrible mistakes. (*Choose one form from the bracket to complete the sentence*)
 - g. The minister stood stillthe request to take his seat. (*Put the correct conjunction in the blank to complete the sentence.*)
 - h. Marie Curie is the woman. She discovered radium. (*Join the sentences with a relative pronoun.*)

- i. I have to meet my friend in ten minutes. I go now or I'll be late. (*Put in 'had better' or 'should'.*)
- j. Look! The river (flow) very fast. (*Put the verb into the correct form - present simple or present continuous.*)

8. Do as instructed. (5×1=5)

- a. Does mobile game badly (affect/effect) children? (*Choose the correct word given in bracket.*)
- b. Her story is **unbelievable** in the literal sense of the word. The synonym of the underlined word is:
 - i. Fascinating
 - ii. Culprit
 - iii. Embarrassing
 - iv. Incredible
- c. He burnt his fingers by interfering in his neighbour's affair' mean. The meaning of 'burnt his fingers' is:
 - i. Suffered unpleasant results of an action
 - ii. Got advantage
 - iii. Faced embarrassment
 - iv. Got wound on his fingers
- d. Our (principal/principle) is a popular person. (*Choose the appropriate word from the bracket*)
- e. Innocent people get unexpected in the war. Write an appropriate word in the blank from the given lists:
 - i. Advantages
 - ii. Slaughter
 - iii. Stingy
 - iv. Murky

Set- IV

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

1. Read the text and do the tasks that follow. (15)

In eighteenth-century France and England, reformers rallied around egalitarian ideals, but few reformers advocated higher education for women. Although the public criticized women's lack of education, it did not encourage learning for its own sake for women. In spite of the general prejudice against learned women, there was one place where women could **exhibit** their erudition: the literary salon. Many writers have defined the woman's role in the salon as that of an intelligent hostess, but the salon had more than a social function for women. It was an informal university, too, where women exchanged ideas with educated persons, read their own works and heard those of others, and received and gave criticism.

In the 1750s, when salons were firmly established in France, some English women, who called themselves "Bluestockings," followed the example of the *salonnières* (French salon hostesses) and formed their own salons. Most Bluestockings did not wish to imitate the *salonnières*; they simply desired to adapt proven formula to their own purpose - the **upgrading**

of women's status through moral and intellectual training. The French salon incorporated aristocratic attitudes that glorified courtly pleasure and emphasized artistic achievement. The English Bluestockings, originating from a more modest background, emphasized learning and work over pleasure. **Accustomed to** the highly disciplined and controlled life of court circles, salonnières tended toward formality in their salons. The English women were more casual in their approach.

At first, the Bluestockings did imitate the salonnières by including men in their circles. Later, the Bluestockings came to regard themselves as a women's group and to possess a sense of female solidarity lacking in the salonnières. In an atmosphere of mutual support, the Bluestockings went beyond the salon experience. They traveled, studied, worked, wrote for publication, and by their activities challenged the stereotype of the passive woman. Although the salonnières were aware of sexual inequality, the narrow boundaries of their world kept their **intellectual** pursuits within conventional limits.

Though the Bluestockings were **trendsetters** when compared with the salonnières, they were not feminists. They were too traditional, prevented by their generation to demand social and political rights. Nonetheless, in their desire for education, their willingness to go beyond the confines of the salon in pursuing their interests, the Bluestockings began the process of questioning women's role in society.

A. Answer each of these questions in ONE SENTENCE. (5x1=5)

- What did women do at the literary salon?
- What was Bluestockings' objective of forming their own salons?
- What did the French salon and the English Bluestockings emphasize?
- What activities did the Bluestockings do beyond their salon experience?
- What did the Bluestockings begin in their desire for education and willingness to go beyond the confines of salon?

B. Read the passage again and write

TRUE if the statement agrees with the information given in the passage

FALSE if the statement contradicts the information given in the passage

NOT GIVEN if there is no information in the text. (5x1=5)

- 18th century reformers gave priority to education for women.
- Literary salons were established in seventeenth century in France.
- There was lack of the sense of female solidarity in the salonnières.
- The Bluestockings were granted equal rights and justice by the government of England to live a decent life.
- The Bluestockings refrained from questioning women's role in their society.

C. Do as instructed.

(5x1=5)

- a. The word 'exhibit' in the sixth line of the first paragraph is similar in meaning to _____. (*Fill in the blank with display/ examine/ expand.*)
- b. The word 'upgrading' in the fifth line of the second paragraph means _____. (*Fill in the blank with updating/ improvement/ upward.*)
- c. The word 'intellectual' in the eighth line of the third paragraph is opposite in meaning to _____. (*Fill in the blank with scholarly/ intelligent/ignorant*)
- d. The word "trendsetters" in the eighth line of the third paragraph means _____. (*Fill in the blank with imitators, pioneers, followers.*)
- e. Make a meaningful sentence with 'accustomed to.'

2. Write short answers to these questions in about 75 words. (5x2=10)

- a) What details does the astrologer give the stranger about his past? (*An Astrologer's Day*)
- b) Why do the two soldiers spend their free time on Sundays away from the barracks out in the countryside? (*Two Little Soldiers*)
- c) Why did Wasserkopf give ridiculous answers? Why did the teachers accept these answers? (*Refund*)
- d) How is poverty difficult for Parker's children? List some specific examples. (*What is Poverty*)
- e) How does nature inspire the speaker in "who are you, little i"? Explain. (*Who are you, little I?*)

3. Write long answers to these questions in about 150 words. (2x5=10)

- a) Write a summary of the poem, "The Gift in Wartime".
- b) How does the essayist justify that scientific research is the humankind's survival? (*Scientific Research is a Token of Humankind's Survival*)

4. Write a news story to be published in a newspaper about a local festival/fair you have witnessed. (7)

5. Write a review of a book/film you have recently read or watched. (8)

6. Write a travelogue of your recent visit to a natural/religious place in about 300 words. Use the following clues. (10)

Local costumes and traditions Cuisines ...Depiction of places of interest, local history and culture Your adventures Prices and transportation ... Entertainment

7. Do as indicated in brackets.

(10x1=10)

- a) She said to me, "We lived in China for five years." (*Change the sentence into indirect speech.*)
- b) He said to me, "Do you like ice-cream?" (*Change the sentence into indirect speech.*)

8. Do as instructed. (5x1=5)

- ## The End!

निर्देशन :

- उत्तर लेख्दा क्रमशः प्रश्न नं. १ देखि १६ सम्म लेख्नुपर्ने छ । प्रश्न अधिपछि पारेर लेखिएको उत्तर मान्य हुने छैन ।
- एउटा सेटको उत्तर लेखिसकेपछि मात्र अर्को सेटको उत्तर लेख्न थाल्नुपर्ने छ ।
- उत्तर A4 साइजको स्तरीय कापी मा मात्र लेख्नुपर्ने छ । खुला तथा सादा कापी र सानो आकारको कापीमा लेख्न पाइने छैन ।
- नमुना सेट १ र २ सबैका लागि अनिवार्य छ भने नमुना सेट ४ चाहिँ प्रिबोर्ड परीक्षाअगाडि गृहकार्यको कापीमा नै गरेर बुझाउनुपर्ने छ ।

विषय : अनिवार्य नेपाली (००११)

कक्षा : ११ पूर्णाङ्क : ७५

नमुना प्रश्न सेट - १

१. दिइएको अनुच्छेदका रेखाङ्कित वर्णहरूको उच्चारण स्थान र प्रयत्न छुट्याई लेख्नुहोस् : (३)
एक दिन साँझको बखत सानी आफ्नो पसल उठाइसकेपछि द्वारमा अन्यमनस्क भई उभिरहेकी थिई ।
२. शुद्ध पारी पुनर्लेखन गर्नुहोस् : (३)
सानीले सोधी- भान्छालाई के के ल्याउनुपर्ला, भन्नोस् न ! रात पर्न आट्यो, तपाईँ सित लालटीन त छँदै छ, मटितेल पनि चाइन्छ कि ?
३. रेखाङ्कन गरिएका पदहरूको पदवर्ग पहिचान गरी लेख्नुहोस् : (२)
त्यसले सबैभन्दा अगाडि उभिएर सबैसँग परिचय गर्‍यो । बाहिर बसेको त्यस केटाका छेउमा उभिएकी अर्की केटी उत्सुक भएर त्यो सबै हेर्दै थिई ।
४. दिइएका प्रश्नको उत्तर दिनुहोस् : (२+२)
(क) दिइएको अनुच्छेदबाट दुई दुईओटा तत्सम र आगन्तुक शब्द पहिचान गरी लेख्नुहोस् :
वायुमण्डलको संरचनामा रहेका ग्याँसहरूको अनुपातमा फेरबदलले र मूलतः कार्बनडाइअक्साइडको मात्रा बढनाले ग्लोबल वार्मिङ बढेको छ ।
(ख) तल दिइएका शब्दहरूलाई शब्दकोशको क्रममा मिलाएर लेख्नुहोस् :
खिचडी, खाजा, खुसी, खैजडी ।
५. दिइएको अनुच्छेदबाट तीनओटा पारिभाषिक शब्द पहिचान गरी वाक्यमा प्रयोग गर्नुहोस् : (३)
यदि कुनै ऐन र सो ऐनका प्रावधानहरू संविधानसँग बाझिएमा बाझिएको हदसम्म कानुनको त्यो व्यवस्था बदर गर्न अदालतमा मुद्दा परेमा अदालतले त्यसलाई बदर गर्छ ।

अथवा

दिइएको अनुच्छेदबाट एउटा अनुकरणात्मक शब्द, एउटा उखान र एउटा टुक्का पहिचान गरी तिनलाई वाक्यमा प्रयोग गर्नुहोस् :

जसले मह काढ्छ, त्यसले हात चाट्छ भने भैं सुकृतिको निरन्तरको सफलताले उसका साथीहरूको टाउको कटकट खायो । उनीहरूले पनि रात रहे अगाख पलाउँछ भन्ने सोचेर अब हात बाँधेर बस्नु हुँदैन भन्दै पढाइमा खुरु खुरु लाने निर्णय गरे ।

६. कुनै दुई प्रश्नको उत्तर लेख्नुहोस् : (२+२=४)

(क) अनुच्छेदबाट दुईओटा उपसर्ग र दुईओटा प्रत्यय व्युत्पन्न शब्द पहिचान गरी तिनको निर्माण प्रक्रिया देखाउनुहोस् :

इमानदार मानिसले परिश्रमलाई पूजा मान्दछ । ऊ बेमतलबमा मूल्यवान् समयलाई खेर फाल्दैन । यस्तै सोचाइ भएका मानिसको प्रगति पनि हुनुपर्छ ।

(ख) तलको अनुच्छेदबाट दुईओटा समस्त शब्द पहिचान गरी विग्रह गर्नुहोस् र दुईओटा द्वित्व शब्द पहिचान गरी दोहोरिएको अंश लेख्नुहोस् :

घरको काम छाडेर नजिकैको चौबाटोमा बसेर गफसफ चुट्ने अनि कसैको सरसल्लाह सुन्नुभन्दा अरूको घरका दैला दैलामा पुगेर छरछिमेकलाई विनाश्रम देशविकास हुन सक्छ, राष्ट्रसेवामा जुटौं भनी गफ दिने नयाँघरे माल्दाइलाई जजसले भेटे ती सबैले आफू भने ससाना माखासम्म नमार्ने अनि अरूलाई गफ दिने भनी व्यङ्ग्य गरे ।

(ग) अनुच्छेदबाट चारओटा सन्धियुक्त शब्द पहिचान गरी तिनको सन्धि विच्छेद गर्नुहोस् :

सर्वोच्च हिमशृङ्खलाको अनुपम सौन्दर्यबाट मोहित नागरिकलाई युरोपेली आधुनिक परिवेशले किन आकर्षित गर्थ्यो र ! प्राकृतिक रसास्वादनको भ्रमको मनमा बसेपछि घरेलु स्वागत सम्भरेर रातारात तिनीहरू खुरु फर्किए ।

७. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

(क) तलका वाक्यहरूलाई पुलिङ्ग भए स्त्रीलिङ्ग र स्त्रीलिङ्ग भए पुलिङ्गमा परिवर्तन गरी पुनर्लेखन गर्नुहोस् :

तिमी निषेधाज्ञाको वेलामा सडकमा हिँडेकी थियौ । उसले तिमीलाई घरबाट देखेको थियो । तिनी भने घरमा नै बसेका रहेछन् । तिमीले उसलाई देखिनछ्यौ ।

(ख) दिइएको अनुच्छेदलाई तृतीय पुरुषमा परिवर्तन गरी पुनर्लेखन गर्नुहोस् :

तँ बजारतिर जाँदै थिइस् । हामी सामान किन्दै थियौं । तैले यो सबै देखेको थिइस् । हामीले तँलाई त्यहाँ देखेनछौं ।

८. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

(क) तलको गद्यांशबाट दुई दुईओटा उद्देश्य र विधेय पद पहिचान गरी लेख्नुहोस् :

आज बिहान भक्तहरू दर्शनका लागि मन्दिर गए । उनीहरूले मन्दिरमा पूजा गरे । मन्दिरबाहिर जीवित देवता हात फैलाएर बसेका थिए । भक्तहरूले वास्तविक देवता चिनेनन् ।

(ख) तलको अनुच्छेदमा दिइएका वाक्यहरूलाई करण भए अकरणमा र अकरण भए करणमा परिवर्तन गर्नुहोस् :

सर्वधन देशको परिस्थितिबाट ज्यादै सन्तुष्ट छ । उसले स्वदेशमा गरेका कामहरू सबै सफल भए । उसले विदेश जानुपर्ने कारण देखेन । त्यसैले ऊ वैदेशिक रोजगारीका लागि विदेश गएन ।

९. तलका दुवै प्रश्नको उत्तर दिनुहोस् :

(४+४=८)

(अ) तल दिइएको अनुच्छेद पढी अन्त्यमा सोधिएका प्रश्नहरूको उत्तर दिनुहोस् :

वर्तमान युग विज्ञान र प्रविधिको युग हो । विज्ञानले विविध क्षेत्रमा गरेको प्रगतिले वर्तमान युग सुविधायुक्त बन्न पुगेको छ । टेलिफोनको आविष्कारले गर्दा संसारका कुना कुनामा तुरुन्तै सम्पर्क गरी दोहोरो कुराकानी गर्न सम्भव भएको छ । रेडियो र टेलिभिजनका माध्यमबाट विश्वमा घटेका विभिन्न घटनाहरूका बारेमा घरैमा बसी समाचार सुन्न र हेर्न सक्ने सुविधा सबैलाई उपलब्ध भएको छ । यसै गरी रेल, मोटर, पानीजहाज, हवाईजहाज जस्ता यातायातका साधनहरूले टाढा टाढाको गन्तव्यलाई पनि सुगम तुल्याइदिएका छन् । वैज्ञानिक क्षेत्रमा भएको आशातीत प्रगतिले गर्दा घरायसी कामदेखि लिएर कृषि, उद्योग, वाणिज्य आदि क्षेत्रमा मानवीय जीवनपद्धति सुखी, सम्पन्न र सुविधायुक्त बन्न पुगेको छ । मानिसले आर्जन गरेको अभूतपूर्व ज्ञान, निरन्तर कडा मिहिनेत र अनुसन्धानको परिणामस्वरूप 'यन्त्रमानव' आविष्कार गर्ने महत्त्वपूर्ण कार्यमा समेत सफलता प्राप्त भएको छ । यन्त्रमानव भनेको मानिसले जस्तै काम गर्न सक्ने एउटा स्वचालित यन्त्र हो । यसले मानिसलाई वैज्ञानिक, औद्योगिक, घरायसी आदि विविध क्षेत्रमा सघाउने काम गर्छ ।

प्रश्नहरू :

(क) सञ्चारका माध्यम तथा यातायातका साधनले संसारलाई कसरी नजिक बनाएका छन् ?

(ख) यन्त्रमानवले मानिसलाई कसरी सघाउँछ ?

(ग) वैज्ञानिक क्षेत्रमा भएको आशातीत प्रगतिले मानवजीवनलाई कस्तो बनाएको छ ?

(घ) 'वैज्ञानिक' र 'अनुसन्धान' शब्दको निर्माणप्रक्रिया देखाउनुहोस् ।

(आ) तल दिइएको अनुच्छेद पढी अन्त्यमा सोधिएका प्रश्नहरूको सही उत्तर पहिचान गरेर लेख्नुहोस् :

कृषियुगको प्रारम्भ भएपछि मानव सभ्यताको विकासमा अतुलनीय र दूरगामी प्रभाव पथ्यो । कृषि उत्पादनबाट आवश्यक खाद्यआपूर्ति सुनिश्चित भएपछि मानिसले स्थायी वासस्थान निर्माण गर्न थाल्यो र गाउँसहरको निर्माण भयो । यसै गरी मानिसले आफ्नो बच्चेको समय, चिन्तन मनन तथा प्रकृतिका नियम बुझ्ने काममा प्रयोग गर्न थाल्यो । फलस्वरूप ज्ञानविज्ञानको क्षेत्रमा ठुलो प्रगति भयो र मानिसको जीवनशैलीमा निकै परिवर्तन भयो । हाल मानिसले खाद्यबालीका रूपमा प्रयोग गर्दै आएका प्रमुख वनस्पति हाम्रा पूर्वजले हजारौं

वर्षअघि विकास गरेका र उमारेका वनस्पतिमा आधारित छन् । आज पनि मानिसले आफूलाई आवश्यक दैनिक पोषणशक्तिको ६० प्रतिशत तीन प्रकारका अन्नवाली गहुँ, चामल र मकैबाट प्राप्त गर्दै आएका छन् । यसै गरी गहुँ, चामल, मकै, आलु, सखरखन्ड र दक्षिण अमेरिकामा पाइने एक प्रकारको खाद्यवस्तु कसाभा गरी ६ प्रकारका खाद्यवस्तुबाट विश्वभरका मानिसको ८० प्रतिशत पोषणशक्तिको आपूर्ति हुने गरेको छ । हाल विश्वभरिका मानिसले बढी प्रयोगमा ल्याउने खाद्यवाली गहुँ, चामल, मकै, जुनेलो, जौ, कोदो, आलु, सखरखन्ड, भटमास, गोलभिँडा, केरा, स्याउ, सुन्तला, उखु, नरिवल आदि २० प्रकारका छन् ।

प्रश्नहरू :

(क) 'पूर्वज' र 'खाद्यवाली' शब्दको अर्थ के हो ?

- | | |
|----------------------------------|----------------------------|
| (अ) पूर्वज-पुर्खा वा अग्रज | खाद्यवाली - खाद्यान्न |
| (आ) पूर्वज - पछिको पुस्ता | खाद्यवाली - खानेपानी |
| (इ) पूर्वज - पुर्खा वा अग्रज | खाद्यवाली - खान नहुने कुरा |
| (ई) पूर्वज - पूर्व दिशाको मान्छे | खाद्यवाली - खानेकुरा |

(ख) मानिसको जीवनमा कसरी परिवर्तन आयो ?

- (अ) मानिसले आफ्नो बचेको समय चिन्तन गर्न थालेकाले
 (आ) मानव सभ्यताको विकासमा अतुलनीय प्रभाव परेकाले
 (इ) ज्ञानविज्ञानका क्षेत्रमा ठुलो प्रगति आएकोले
 (ई) गाउँसहरको निर्माण भएकोले

(ग) माथिको अनुच्छेदमा प्रत्यय लागेर बनेका शब्दमध्ये दुई शब्द कुन कुन हुन् ?

- | | |
|--------------------------|--------------------------|
| (अ) 'सभ्यता' र 'आधारित' | (आ) 'आधारित' र 'नरिवल' |
| (इ) 'प्रतिशत' र 'सभ्यता' | (ई) 'विज्ञान' र 'प्रगति' |

(घ) मानिसका लागि दैनिक आवश्यक पर्ने तीन खाद्यवाली के के हुन् ?

- | | |
|-----------------------|----------------------|
| (अ) गहुँ, चामल र कोदो | (आ) चामल, मकै र आलु |
| (इ) गहुँ, चामल र मकै | (ई) गहुँ, मकै र कोदो |

१०. तलको अनुच्छेदबाट मुख्य मुख्य चारओटा बुँदा टिपोट गरी एकतृतीयांशमा सारांश लेख्नुहोस् : **(२+२=४)**

साहित्य के हो ? थाहै नपाई साहित्यसँग मानिसको साइनो बस्दो रहेछ । केही थाहा पाउन थालेदेखि नै साहित्य मानिसलाई मन पर्न पनि थाल्दो रहेछ । यसरी साहित्य प्रिय लागि रहे पनि साहित्यको पहिचान र पारख गर्नु चाहिँ त्यति सहज र सुगम नरही चुनौतीपूर्ण नै रहँदै आएको छ । साहित्य छ र हुन्छ अनि हामी त्यसलाई केही चिन्दछौं र त्यसको प्रयोग वा उपयोगसमेत गरिरहेका हुन्छौं तापनि त्यो के हो वा कस्तो हुन्छ र त्यसका केकस्ता विविध प्रकार देखिन आएका छन् भनी सोधनी गर्न लाग्नासाथ अनेक कठिनाइसँग हाम्रो जम्काभेट हुन थाल्दछ । यस्ता

जिज्ञासाले साहित्यका जुन तत्त्वमीमांसातर्फ हामीलाई डोच्याउँछन् त्यो नै साहित्यको शास्त्र हो । वनस्पतिहरू छन् र नै वनस्पतिशास्त्रको अपेक्षा भई त्यसको उठान र विकास भए जस्तै साहित्य हामीसँग भएकाले नै हामीलाई साहित्यको शास्त्र चाहिने हुन्छ । सक्षम साहित्यशास्त्र त्यही हो, जसले साहित्यको पर्याप्त पहिचान र सही पारखका क्रममा समालोचनाकर्मी वा समालोचकलाई पनि सघाउँछ । त्यसैले साहित्यशास्त्र वा साहित्यसिद्धान्तको अर्को नाउँ समालोचना सिद्धान्त पनि हो । कुनै भाषाको कुनै स्रष्टाका खास कृति वा कृतित्वबारेको समालोचना प्रायोगिक वा व्यावहारिक समालोचना हो भने साहित्यको स्वरूप, हेतु, प्रकार, प्रयोजन आदि सम्बन्धी मीमांसा चाहिँ सैद्धान्तिक समालोचना हो, जसले सिद्धान्ततः साहित्यलाई चिनाउनुका साथै त्यसको समालोचनात्मक पारखका निम्ति सैद्धान्तिक मार्गदर्शनमार्फत एकल वा बहुल उपयुक्त पद्धतिसमेत प्रदान गरी सघाउने गर्दछ ।

११. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

- (क) आफू अध्ययनरत सामुदायिक विद्यालयको भौतिक संरचना अत्यन्त जीर्ण भइसक्दा पनि त्यसको पुनर्निर्माण र नयाँ संरचना निर्माणमा चासो नदेखिएका विषयमा सम्बन्धित निकायलाई ध्यानाकर्षण गराउने उद्देश्यले कुनै राष्ट्रिय स्तरको पत्रिकाका सम्पादकलाई लेखिने चिठीको नमुना तयार पार्नुहोस् ।
- (ख) वि.सं. २०४१ साउन १३ गते शीतलबजार, कास्कीमा जन्मिएर वि.सं. २०७७ असार १८ गते कोभिड-१९ को सङ्क्रमणका कारण शुक्रदेव बरालको निधन भएकामा निजका साथीहरूका तर्फबाट सञ्चार माध्यममा प्रकाशन गरिने श्रद्धाञ्जलि सन्देशको नमुना तयार पार्नुहोस् ।

१२. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

- (क) 'नेपाली समाजमा सामाजिक सञ्जालको प्रभाव' शीर्षकमा १५० शब्दमा नघटाई टिप्पणी लेख्नुहोस् ।
- (ख) अर्थुङ्गो मा.वि., म्याग्दीले आयोजना गरेको कविता प्रतियोगितामा आफू प्रथम भएको दिनको विषयलाई समेटी एउटा दैनिकी तयार पार्नुहोस् ।

१३. सडकमा छोडिएका चौपायालाई व्यवस्थापन गर्ने आधुनिक युवाहरूको स्वयंसेवी सोच र कार्य तपाईंलाई कस्तो लाग्यो ? कारणसहित प्रतिक्रिया लेख्नुहोस् । (४)

१४. कुनै दुई प्रश्नको उत्तर दिनुहोस् : (४+४=८)

(क) दिइएको कवितांश पढी सोधिएका प्रश्नको उत्तर दिनुहोस् :

कुन पहाडले कुन खोलाले तिम्रो गति छेकेथ्यो र
वीर पुर्खा ! कुन आँधीले तिम्रो यात्रा रोकेथ्यो र
गरुडको भैं वेग तिम्रो कुन आकाशले बाँध्न सक्यो
पौरखले रच्यौ नेपाल ! पहाड तराई जुट्न सक्यो ।

प्रश्नहरू :

(अ) नेपालीहरूको कस्तो पौरखले नेपालको रचना भएको हो ?

(आ) हाम्रा वीरपुर्खाको गौरव गाथालाई कविताका आधारमा वर्णन गर्नुहोस् ।

(ख) दिइएको निबन्धांश पढी सोधिएका प्रश्नको उत्तर दिनुहोस् :

संस्कृति हाम्रो परिचय हो, हाम्रो पहिचान हो र हाम्रो अनुभूति हो । संस्कृति हाम्रो बोल्ने, विचार गर्ने र बाँच्ने तरिका पनि हो । हाम्रो संस्कृति बाँच्नुपर्छ, त्यसैले हाम्रा सांस्कृतिक मूल्यहरू बाँच्नुपर्छ । यसै हाम्रो संस्कृति हो । तिज, बुद्धपूर्णिमा, उँधौली, उभौली, ल्होसार, क्रिसमस, इद सबै हाम्रा संस्कृति हुन् । सभ्यताको यस यात्रामा म बारम्बार सोच्छु र सोच्छु, यस्ता सुन्दर अवसरलाई हामीले सदुपयोग गर्ने पर्छ । संस्कृतिका नाममा लिङ्ग, वर्ग, जातिका आधारमा हुने भेद विकृति हुन् । ती कुरा हट्नुपर्छ र संविधानले यसको सुनिश्चितता पनि गरेको छ ।

प्रश्नहरू :

(अ) संस्कृति भनेको के हो ?

(आ) संविधानले सुनिश्चित गरेका सांस्कृतिक विषयहरू के के हुन् ?

(ग) दिइएको वक्तुतांश पढी सोधिएका प्रश्नको उत्तर लेख्नुहोस् :

आज हामी आफैँसँगको बिना नचिनेर भौतारिइरहेको कस्तुरी भैं भएका छौं । जलस्रोतमा धनी राष्ट्र भए पनि दिगो पूर्वाधार विकासका योजनाका अभावले गर्दा हामी स्रोत र साधन भए पनि अँध्यारामा बस्न बाध्य छौं । उर्वराभूमि भएर पनि सिँचाइका आधुनिक प्रविधि अपनाउन नसक्दा जग्गा बाँझै छुन्, जनता भोकभोकै छुन् । युवाशक्ति विदेसिन बाध्य छुन् । विकास निर्माणले विश्वलाई चकित पार्ने छिमेकीलाई टुलुटुलु हेरेर गाँस, वासकै समस्यामा पिरोलिन बाध्य छ हाम्रो समाज । यो अवस्थालाई बदलेर विश्व प्रतिस्पर्धामा होमिन सक्न बनाउने क्षमता जलस्रोतमा मात्र छ । हामी अमृतसमान हिमालको कञ्चन पानी बोटलमा बेचेर विश्वका मानिसको तिर्खा मेटाउन सक्छौं । कर्नालीमा जलविहार, कोसी र तामाकोसीमा सिँचाइका उचित व्यवस्थापन गरेर धर्ती उर्वरा बनाउन सक्छौं ।

प्रश्नहरू :

(अ) जलस्रोत र ऊर्जाका क्षेत्रमा दिगो विकास कसरी गर्न सकिन्छ ?

(आ) राष्ट्रको अर्थतन्त्र निर्माणमा सिँचाइको कस्तो भूमिका हुन्छ ?

१५. कुनै एक प्रश्नको उत्तर दिनुहोस् :

(८)

(क) 'गाउँको माया' कथामा कस्तो समाजको चित्रण गरिएको छ, समीक्षात्मक उत्तर लेख्नुहोस् ।

(ख) 'पर्याटनका सम्भावना र आयाम' निबन्धका आधारमा नेपालको पर्यापर्याटनको विकासमा स्थानीय समुदाय र सरकारको भूमिका उल्लेख गर्नुहोस् ।

१६. तलका मध्ये कुनै एक शीर्षकमा २५० शब्दमा नघटाई निबन्ध लेख्नुहोस् :

(८)

(क) सङ्क्रामक रोग र नियन्त्रणका उपायहरू

(ख) नेपालमा कृषिको विकास

(ग) मेरो पढ्ने बानी ।

नमुना प्रश्न सेट - २

१. दिइएको अनुच्छेदका रेखाङ्कित वर्णहरूको घोषत्व र प्राणत्व छुट्याई लेख्नुहोस् : (३)
हामी अमृतसमान हिमालको कञ्चन पानी बोटलमा बेचेर विश्वका मानिसको तिर्खा मेटाउन सक्छौं ।
२. शुद्ध गरी पुनर्लेखन गर्नुहोस् : (३)
उता चाहिँ जङ्गलकै ढाचामा खेती गर्नु भएको छ । एता पनि खेतबारीको बरिपरी रुखहरू रोप्नुभएको छ । यसैको छायाले बालीनाली विगादैँन
३. अनुच्छेदमा रेखाङ्कन गरिएका शब्दको पदवर्ग पहिचान गरी लेख्नुहोस् : (२)
ऊ ज्यादा थाकेको थियो । उसले आज ज्यादा काम गर्नुपर्‍यो भनी उनी बताउँदै थिइन् त ।
४. दिइएका प्रश्नको उत्तर दिनुहोस् : (२+२=४)
(क) दिइएको अनुच्छेदबाट दुई दुईओटा तद्भव र आगन्तुक शब्द पहिचान गरी लेख्नुहोस् :
आजभोलि सूचना प्राप्त गर्ने धेरै माध्यमहरू रहेका छन् । हामीले पहिला जस्तो अखबार र रेडियोको मात्र भर पर्नुपर्दैन । टेलिभिजन र इन्टरनेट पनि सूचना लिने मुख्य ठाउँ बनेका छन् ।
(ख) दिइएका शब्दहरूलाई शब्दकोशीय क्रममा मिलाई लेख्नुहोस् :
चिरायु, क्षतिपूर्ति, ज्ञानोदय, खगोल ।
५. दिइएको अनुच्छेदबाट तीनओटा पारिभाषिक शब्द पहिचान गरी वाक्यमा प्रयोग गर्नुहोस् : (३)
कोरोना महामारीले विश्वभरि नै ठुलो मात्रामा धनजनको क्षति भयो । हाल बजारमा कोभिड- १९ विरुद्धको खोप पनि आएको छ । खोप लगाए पनि भौतिक दुरी कायम गर्ने, मास्क लगाउने र सेनिटाइजर प्रयोग गर्ने कार्य चाहिँ गरिरहनु नै पर्छ भन्ने स्वास्थ्य विशेषज्ञहरूको भनाइ रहेको पाइन्छ ।

अथवा

दिइएको अनुच्छेदबाट एउटा अनुकरणात्मक शब्द, एउटा उखान र एउटा टुक्का पहिचान गरी तिनलाई वाक्यमा प्रयोग गर्नुहोस् :

आफ्नो बारीमा फलेका हरिया सागपातको आकर्षक मुठा बनाउन लागेको छोरालाई देखेर आमाले अकबरी सुनलाई कसी लाउनुपर्दैन भन्दै डोकामा हालेर फटाफट बजारको बाटो तताउनुभयो । काम गर्ने हनुमान् पगरी गुथ्ने ढेडु भने जस्तो साग उत्पादन गर्न अघि नसर्ने तर बेच्न खुट्टा उचाल्ने छोराको सक्रियतालाई बुवा पनि ट्वाल्ल परेर हेर्दै हुनुहुन्थ्यो ।

६. कुनै दुई प्रश्नको उत्तर दिनुहोस् : (२+२=४)
(क) अनुच्छेदबाट दुईओटा उपसर्ग र दुईओटा प्रत्यय व्युत्पन्न शब्द पहिचान गरी तिनको निर्माण प्रक्रिया देखाउनुहोस् :

होसियार युवावर्गले फाल्तु कुरामा स्वर्णिम समय खेर नफालेर आफ्ना अभिभावक र अग्रजसँग इमानदार सल्लाह गरी अगाडि बढ्नु उपयुक्त हुन्छ । यस्तो गन्यो भने सबैको उन्नति र प्रगति हुन सक्छ ।

(ख) अनुच्छेदबाट दुईओटा समस्त शब्द पहिचान गरी विग्रह गर्नुहोस् र दुईओटा द्विवचन शब्द पहिचान गरी मूल अंश छुट्याउनुहोस् :

समाजका बुढापाका व्यक्तिलाई सरसम्मान गर्ने परम्पराले मेलमिलापयुक्त कल्याणकारी र लोकतान्त्रिक समाजको परिचय दिन्छ । सहयोगापेक्षी दीनदुःखीहरूलाई मरमद्दत गर्नु खाली समाजसेवीहरूको मात्रै कर्तव्य नभएर सबैको परमकर्तव्य पनि हो । आआफ्ना टोलछिमेकमा रहेका हातमुख जोर्न नसक्नेहरूलाई छिः छिः र दुर दुरको व्यवहार गर्नु हुँदैन भनेर ससाना केटाकेटीहरूलाई पनि सिकाउनुपर्छ ।

(ग) अनुच्छेदबाट चारओटा सन्धियुक्त शब्द पहिचान गरी सन्धि विच्छेद गर्नुहोस् :

नेपालका हिमालय पर्वतबाट निरन्तर बग्ने जलाशय वा सरोज अनि भरनाको मनोरम दृश्यलाई त्यागी विदेशी शिक्षालयका सौन्दर्यशास्त्र अध्ययनतिर प्रवृत्त विद्यार्थीहरू नीतिनियम तोडेर विदेशी संस्कृति, गायन र सङ्गीतमा मस्त छन् ।

७. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

(क) दिइएको अनुच्छेदलाई एकवचन भए बहुवचन र बहुवचन भए एकवचनमा परिवर्तन गरी पुनर्लेखन गर्नुहोस् :

हामीले सहरमा नयाँ व्यापार सुरु गरेका छौं । साथीले फोहोर सङ्कलन गरेर मोहोर कमाउन थालेको छ । बहिनीले पनि विदेशमा गरेको प्रगतिको कथा सुनाई । उसका कुरा सुनेर हामी दङ्ग पर्‍यौं ।

(ख) तलको अनुच्छेदका वाक्यलाई उच्च आदरमा परिवर्तन गर्नुहोस् :

ऊ लुम्बिनी पुगेको छ । उसले स्वर्गद्वारीको भ्रमण पनि गरेको छ । ऊ जनकपुर गएको छैन । ऊ मनाङ पनि जान चाहन्छ ।

८. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

(क) दिइएको अनुच्छेदलाई सङ्गति मिलाई पुनर्लेखन गर्नुहोस् :

हाम्रो साथीहरू पढाइमा ध्यान दिँदैनन् । तिनीहरू मिठो खानेकुराहरू खान रुचि देखाउँछन् । मेरी आमा अल्छीले मिठो खानेकुराको अपेक्षा राख्नुहुन्न भनी सम्झाउँछ । आमाले मलाई परिश्रमी बन्न प्रेरणा दिनुभए पनि म उनको सल्लाह खासै सुन्दैनं ।

(ख) दिइएका वाक्यहरूलाई प्रत्यक्ष भए अप्रत्यक्ष र अप्रत्यक्ष भए प्रत्यक्ष कथनमा परिवर्तन गर्नुहोस् :

(अ) उसले आज किन चाँडै विदा भएको हो भनी मलाई सोध्यो ।

(आ) मैले भनें, “भोलि हामी अवलोकन भ्रमणमा जाँदै छौं ।”

(इ) भोलि भ्रमण हुँदा आज चाँडै विदा दिनुपर्छ त भनी उसले पुनः प्रश्न गर्‍यो ।

(ई) “मूर्ख ! तयारी गर्नका लागि समय दिइएको हो नि”, मैले भनें ।

९. दुवै प्रश्नको उत्तर दिनुहोस् :

(४+४=८)

(अ) दिइएको अनुच्छेद पढी सोधिएका प्रश्नको छोटो उत्तर लेख्नुहोस् :

नेपाल खुला एवम् बजारोन्मुख अर्थव्यवस्था भएको मुलुक हो । हाम्रो देशले आफ्नै स्रोतसाधनको परिचालन गरी आर्थिक विकास र गरिबी निवारणको वाणिज्य नीति अवलम्बन गरेको छ । अन्तर्राष्ट्रिय स्तरमा प्रतिस्पर्धा गर्नु र व्यापार व्यवसायको प्रवर्धन गर्नु यसको मूल उद्देश्य रहेको हो । सामान निकासी, पैठारीलाई समयानुकूल बनाई राजस्व सङ्कलन गर्दा देशको अर्थतन्त्रमा टेवा पुग्छ । आफ्नो देशमा उत्पादित जडीबुटी तथा कृषिजन्य वस्तुलाई व्यवस्थापन गरी मुनाफा आर्जन गर्न सकिने ढाँचामा हाम्रो वाणिज्य नीति तय भएको छ । व्यापारघाटा कम गर्न र रोजगारीको सङ्ख्यामा वृद्धि गर्न यस नीतिले सहयोग पुऱ्याउने अपेक्षा लिइएको छ । प्राकृतिक र जैविक विविधताले युक्त यस देशमा पशुपन्छी र वनस्पतिजन्य उत्पादनलाई उचित प्रविधि र जनशक्तिको संयोजनद्वारा निर्यात प्रवर्धन गर्न सकिने सम्भावना ठरेको छैन । लघु उद्योग, घरेलु उद्योगलाई प्रोत्साहन गर्दै नेपाली माटो सुहाउँदो अर्थतन्त्र निर्माणतिर लाग्ने हो भने राज्यको राजस्व सङ्कलनमा पनि वृद्धि हुन्छ । देशभित्रै रोजगार सिर्जना गर्नका लागि उद्योग व्यवसाय सञ्चालनार्थ राज्यले निजी क्षेत्रलाई पनि प्रोत्साहित गर्न सके हाम्रो अर्थव्यवस्था मजबुत बन्न पुग्छ । यसरी सरकारले सहजकर्ताको भूमिका निर्वाह गरी उत्प्रेरक र नियामक निकायबाट अनुगमनसमेत गर्दै निजी क्षेत्रको पनि सक्रिय सहभागितामा देशलाई आर्थिक समृद्धिको बाटामा हिँडाउन सक्छ ।

प्रश्नहरू :

- (क) नेपालले कस्तो वाणिज्य नीति अवलम्बन गरेको छ ?
- (ख) नेपालको वाणिज्य क्षेत्रमा केकस्ता सम्भावना रहेका छन् ?
- (ग) नेपालको अर्थव्यवस्था कसरी मजबुत बन्न सक्छ ?
- (घ) 'राजस्व' र 'नियामक' शब्दको अर्थ के हो ?

(आ) दिइएको अनुच्छेद पढी सोधिएका प्रश्नको उत्तर लेख्नुहोस् :

परिवार, समाज र राज्यमा पुरुषको सर्वोच्चता कायम रहनु पितृसत्ता हो । वर्तमान सामाजिक संरचनामा पितृसत्ताले सिर्जना गरेका मूल्यमान्यता र परम्पराहरूबाट समाज, परिवार, समुदाय, राज्य चलिरहेका छन् । पितृसत्तात्मक संरचना पुरुषको वंश परम्परामा आधारित हुन्छ भने महिलाहरू पुरुषको इसारा, आज्ञा, आदर्श र निर्देशनमा चल्छन् । अर्थात्, महिलाहरू पुरुषको अधीनता स्वीकार गर्न बाध्य हुन्छन् । पितृसत्ता केवल पुरुषबाट सञ्चालित नभई महिलाबाट पनि हुने गर्छ । कुनै महिलाले पितृसत्तात्मक मूल्यमान्यताको अभ्यास गर्नु भनेको पनि पितृसत्तात्मक सोचलाई बढावा दिनु नै हो । मधेसी समाजमा घरको मूली पुरुष हुन्छन् । घरको वंश, अंश, निर्णय लिने र नियन्त्रण गर्ने अधिकार पुरुषमा निहित हुन्छ । यो परम्परा क्रमशः

हजुरबुवा, बुवा, छोरा, नाति, पनातिमा हस्तान्तरण हुन्छ। घरको सम्पत्तिमा आमा, पत्नी, छोरी र नातिनीको अधिकार हुँदैन। घरमा कुनै निर्णय लिनुपरे पुरुषको निर्णयलाई नै सर्वोपरि मानिन्छ। कथंकदाचित् कुनै परिवारमा महिलाको नेतृत्व चलेको छ भने समाजमा त्यसलाई 'मौगियाही परिवार' भन्दै कटाक्ष गरिन्छ। विवाहका लागि केटा र केटी छनोट गर्ने, कुरा छिन्ने, छेका (टीकाटालो) मा जाने, जन्ती जाने जस्ता संस्कारमा महिलाको सहभागिता (अपवादबाहेक) वर्जित हुन्छ। मधेसी समुदायमा अभै पनि प्रेम विवाह, अन्तरजातीय विवाहमा छोराछोरीका लागि फरक मापदण्ड पाइन्छ। छोराको प्रेम विवाह वा अन्तरजातीय विवाह गर्दा धेरै हदसम्म स्वीकार हुने तर छोरीले गर्दा घर/समाजको इज्जत जाने ठानिन्छ। पछिल्लो समय शिक्षित एवं सहरिया परिवार केही हदसम्म बदलिए पनि ग्रामीण भेगमा पुरानै सोच कायम छ।

(क) पितृसत्तात्मक संरचना केमा आधारित हुन्छ ?

- (अ) पुरुषको सर्वोच्चतामा (आ) पुरुषले सिर्जना गरेका मूल्यमान्यतामा
 (इ) पुरुषको वंश परम्परामा (ई) पुरुषको इसारामा

(ख) 'मौगियाही परिवार' भनेको कस्तो परिवार हो ?

- (अ) महिला सहभागिता भएको परिवार (आ) महिलाको नेतृत्व भएको परिवार
 (इ) छेकामा जाने परिवार (ई) प्रेमविवाह गर्ने परिवार

(ग) माथिको अनुच्छेदमा 'सम्' उपसर्ग र 'ईण' प्रत्यय लागेर बनेका शब्द कुन कुन हुन् ?

- (अ) संस्कार र निर्णय (आ) समाज र नियन्त्रण
 (इ) समुदाय र मापदण्ड (ई) संरचना र ग्रामीण

(घ) पितृसत्तामा केकस्ता अधिकार पुरुषमा निहित हुन्छ ?

- (अ) अंश, वंश, निर्णय लिने र नियन्त्रण गर्ने अधिकार
 (आ) इसारा, आज्ञा, आदर्श आदेश दिने अधिकार
 (इ) विवाहको अधिकार
 (ई) मृत्युसंस्कारको अधिकार

१०. अनुच्छेदबाट चारओटा बुँदा टिपी एक तृतीयांशमा सारांश लेख्नुहोस् : (२+२=४)

शिक्षामा महिलाहरू पछि पर्नुमा आर्थिक तथा सामाजिक कारणहरू नै प्रमुख भए तापनि देशको भौगोलिक बनावट तथा विगतमा राजनीतिक कारण पनि रहेको थियो। शिक्षामा महिला सहभागिता कम हुनुका आर्थिक र सामाजिक कारणहरूका रूपमा आर्थिक विपन्नता, शैक्षिक चेतनाको कमी, परम्परागत सामाजिक धारणा, अन्धविश्वास, रुढिवाद, छिटो विवाह, घरायसी काममा महिलाको बढी संलग्नता आदिलाई लिन सकिन्छ। यस्तो अवस्थामा महिला शिक्षाको उपयुक्त विकासका लागि उल्लिखित कारणहरूलाई ध्यानमा राखेर योजना बनाई कार्यक्रमहरू सञ्चालन गर्नुपर्दछ। खास गरी महिला शिक्षाप्रति रहेका नकारात्मक धारणा, अन्धविश्वास, सामाजिक भेदभाव हटाई शैक्षिक चेतना

अभिवृद्धि गर्ने खालका कार्यक्रमहरू सञ्चालन गरी सबैले पढ्न पाउने अधिकारको कदर गर्ने र छोराछोरीहरूलाई स्कूल पठाउने कार्यमा समाजलाई अभिप्रेरित गरिनु आवश्यक छ । त्यसै गरी भौगोलिक दृष्टिले विकट र दुर्गम क्षेत्रहरूमा विद्यालय तथा शिक्षण संस्था खोल्ने कामलाई प्राथमिकता दिनु र विपन्न वर्गका लागि आयमूलक कार्यक्रम तथा उपयुक्त रोजगारीको अवसर सृजना गरिनु आवश्यक देखिन्छ ।

११. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

- (क) सिंहदरबार वैद्यखानाले उत्पादन गरेको 'आयुवर्द्धक' च्यवनप्राशको बजार प्रवर्द्धनका लागि आवश्यक पर्ने सचित्र विज्ञापनको नमुना तयार पार्नुहोस् ।
(ख) नयाँ वर्षका अवसरमा व्यक्तिगत तवरबाट वितरण गरिने शुभकामनापत्रको नमुना तयार पार्नुहोस् ।

१२. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

- (क) विद्यालयबाट आयोजित शैक्षिक भ्रमणको विषयलाई समेटी १५० शब्दमा नघटाई एउटा प्रतिवेदन तयार पार्नुहोस् । (मानौं, तपाईंको नाम सगुन नेपाली र विद्यालय जागृति मा.वि. हो ।)
(ख) 'व्यक्तित्व निर्माणका लागि अतिरिक्त क्रियाकलाप' शीर्षकमा १५० शब्दमा नघटाई वक्तृता तयार पार्नुहोस् ।

१३. नेपालमा इन्टरनेटको पहुँच गाउँ गाउँसम्म पुग्दै छ । इन्टरनेटको पहुँचसँगै सामाजिक सञ्जालको प्रयोगकर्ता पनि बढेका छन् । इन्टरनेट र सामाजिक सञ्जालसँग सम्बन्धित समस्याहरूले हाम्रो समाजमा नकारात्मक प्रभाव पारेको चर्चा गरिन्छ । यस विषयमा तपाईं १२५ शब्दसम्ममा आफ्नो प्रतिक्रिया लेख्नुहोस् ।

(४)

१४. कुनै दुई प्रश्नको उत्तर लेख्नुहोस् :

(४+४=८)

(क) दिइएको कथांश पढी सोधिएका प्रश्नको उत्तर दिनुहोस् :

खोलो अचेल फेरि गाउँतिर सोझिएको रहेछ । यो खोलाले पनि गाउँलाई धुरुक्कै रुवायो । हुन त रुवायो मात्रै भन्नु खोलाप्रति अन्याय ठहर्ला । यो खोलाले गाउँलाई पालेको पनि छ । हाम्रो विगतको लगभग आधा उमेर यही खोलाको डिल र बगरमा बितेको थियो । कहिले ओरहा खाने निहुँमा त कहिले गाईभैंसी चराउने निहुँमा । खोलामा बाढी आएको बेला हामी गाईको पुच्छर समाएर बाढी तर्ने गर्थ्यौं अथवा यस्तो बेलामा हामी खोलाको किनारमा बसेर बाढीको आनन्द लुट्थ्यौं । तर्न उराउने कोही मानिस आए भने हामी तीनचार जना एकअर्काको हात समाउँदै बाढीमा हेलिन्थ्यौं र किनारमा पखिर्हेको मानिसलाई तारिदिन्थ्यौं । यस्तो काममा खास गरी परिछनकै विशेष रुचि थियो । “यहीँनिर कुवा छ, गए सालको वर्षामा मूल फुटेको एकदम चिसो र मिठो पानी छ ।” ऊ पानी लिएर आइसकेको थियो ।

प्रश्नहरू :

- (अ) खोलाले रुवायो भन्ने कुरा मात्र गर्दा कसरी अन्याय हुन्छ ?
(आ) 'म' पात्रका खोलासँगका बालअनुभूति कस्ता छन् ?

(ख) दिइएको जीवनीको अंश पढी सोधिएका प्रश्नको उत्तर दिनुहोस् :

योगमाया छुवाछुतरहित, शोषणरहित र भ्रष्टाचाररहित नेपाली समाजको खोजीमा लागिन् र शासकहरूका विरुद्ध विद्रोह गरिन् । उनले योगसाधना, ध्यान, तपस्या, प्रवचन र सामाजिक व्यवहारका माध्यमबाट सती प्रथा, दास प्रथा, छुवाछुत जस्ता कुरीतिबाट मुक्त न्यायपूर्ण समाज निर्माण गर्ने प्रयास गरिन् । तत्कालीन सामन्ती समाजका अगुवाहरूले यसलाई सुनेनन् । समाजमा सचेत विद्रोहको रूपमा रहे पनि पुराना विचारका मान्छेहरूका लागि उनका विचार रुचिकर थिएनन् । सबैतिरबाट आफ्नो विचारलाई नस्विकारिएपछि सामूहिक जलसमाधिका माध्यमबाट विद्रोहको नेतृत्व लिने योगमाया भौतिक रूपमा जलसमाधिकै मितिदेखि हामीसामु रहिनन् ।

प्रश्नहरू :

(अ) योगमायाले केकस्ता माध्यमबाट न्यायपूर्ण समाज निर्माणको प्रयास गरिन् ?

(आ) पुराना विचारका मान्छेलाई योगमायाका विचार किन रुचिकर थिएनन् ?

(ग) दिइएको नाट्यांश पढी सोधिएका प्रश्नको छोटो उत्तर दिनुहोस् :

उ: फेरि अर्को आफन्तको आगमन भयो । वाह !! दुनियाँमा केवल दुइटै मान्छे राम्रा हुँदा रहेछन्, एउटा मरेको मान्छे अनि अर्को जन्मिँदै नजन्मेको मान्छे । अधिसम्म मैले त्यो मर्ने केटालाई अभागी हुन सक्छ भन्ने सोचेको थिएँ । तर, त्यो त अहिले गलत साबित भयो । अहिले जसका तीन तीन जना त बाउ नै निस्किसके । एउटी सिङ्गै आमा त प्रकट भइसकिन् । के थाहा, दिनभरिमा अभै कति बाउआमाहरू आउने हुन् ?

प्रश्नहरू :

(अ) लघुनाटकमा आफन्तहरूको आगमन भइरहनुको कारण के हो ?

(आ) मरेको वा जन्मिँदै नजन्मेको मान्छे राम्रो हुन्छ भन्ने भनाइप्रति तपाईंको प्रतिक्रिया व्यक्त गर्नुहोस् ।

१५. कुनै एक प्रश्नको उत्तर दिनुहोस् :

(द)

(क) विद्यमान नेपाली संस्कृतिका सबल र दुर्बल पक्ष के के हुन् ? 'संस्कृतिको नयाँ यात्रा' निबन्धका आधारमा विवेचना गर्नुहोस् ।

(ख) 'त्यो फेरि फर्कला ?' कथामा सामाजिक, आर्थिक र प्राकृतिक परिवेशको चित्रण कसरी गरिएको छ, विश्लेषण गर्नुहोस् ।

१६. दिइएका मध्ये कुनै एक शीर्षकमा २५० शब्दमा नघटाई निबन्ध लेख्नुहोस् :

(द)

(क) नेपाली अर्थतन्त्रको विकासमा वैदेशिक रोजगारीको योगदान

(ख) मलाई मनपर्ने नेपाली खेलाडी

(ग) राजनीतिमा युवाको सहभागिता ।

नमुना प्रश्न सेट - ३

१. तलको अनुच्छेदमा रेखाङ्कन गरिएका वर्णको उच्चारण स्थान र प्राणत्व लेख्नुहोस्: (३)
जलसम्पदामा धनी राष्ट्र भए पनि दिगो पूर्वाधार विकासका योजनाका अभावले गर्दा हामी अध्यारामा बस्न बाध्य छौं ।
२. तलको अनुच्छेदलाई शुद्ध बनाई पुनर्लेखन गर्नुहोस् : (३)
जलश्रोतबाट बिजुली निकालेर धरति भलमल पार्न, ऊद्योग कलकारखाना खोल्न सकिन्छ विद्युत् निर्यात गरेर आयआर्जन गर्नसकिन्छ ।
३. रेखाङ्कन गरिएका पदहरूको पदवर्ग पहिचान गरी लेख्नुहोस् : (२)
आज हामी आफैसँग भएको बिना नचिनेर भौतारिरहेको कस्तुरी भैं भएका छौं ।
४. दिइएका दुवै प्रश्नको उत्तर दिनुहोस् : (२+२=४)
(क) दिइएको अनुच्छेदबाट दुईओटा तत्सम र दुईओटा तद्भव शब्द पहिचान गरी लेख्नुहोस् :
मेरी सानी बहिनीले विज्ञान विषय पढ्ने विचार गरेकी छ । अब उसलाई राम्रो कलेजमा पढाउने इच्छा छ । ऊ चाहिँ पढाइभन्दा पनि राम्रो बिल्डिङ र मिठो खानेकुरा पाइने कलेजमा पढ्ने कुरा गर्छे ।
(ख) तल दिइएका शब्दहरूलाई शब्दकोशको अनुक्रम (वर्णानुक्रम) मा मिलाएर लेख्नुहोस् :
कोमल, कीर्तन, काउली, केराउ ।
५. दिइएको अनुच्छेदबाट तीनओटा पारिभाषिक/प्राविधिक शब्द पहिचान गरी तिनलाई वाक्यमा प्रयोग गर्नुहोस् : (३)
चिकित्सकले रोगीको एक्सरे गरेर तथा प्रयोगशालामा रगतलगायतका अन्य सम्पूर्ण परीक्षण गरिसकेपछि रोग निदानका लागि अर्को महिना पेटको पत्थरीको शल्यक्रिया गर्न अस्पतालमा बोलाए ।

अथवा

दिइएको अनुच्छेदबाट एउटा उखान, एउटा टुक्का र एउटा अनुकरणात्मक शब्द पहिचान गरी तिनलाई वाक्यमा प्रयोग गर्नुहोस् :

यातायात बन्द भए पनि एक जना मिहिनेती किसान अड्को पड्को तेलको धूप भन्दै गाउँमा लुगा बेच्न आउने मान्छेका ठेलामा आफ्ना उत्पादन राखेर पसिना तर्तरी भाँदै बजारतिर लागेछन् । भोलि यातायात चलेपछि बजार जाउँला भनी मख्ख परेर बसेका उनका अर्का छिमेकी किसानको मनमा यस दृश्यले चिसो पसेछ र अर्काको भर भोकभोकै मर भन्दै उनी पनि भारी बोकेर बजारतिर सुटुक्क हिँडेछन् ।

६. कुनै दुई प्रश्नको उत्तर दिनुहोस् : (२+२=४)
(क) अनुच्छेदबाट दुईओटा उपसर्ग र दुईओटा प्रत्यय व्युत्पन्न शब्द पहिचान गरी तिनको निर्माण प्रक्रिया देखाउनुहोस् :
हामी बेरोजगारले अनेक मुलुकका सट्टामा स्वदेशमा नै परिश्रम गरी यहीं श्रमको बचत गर्नुपर्छ । प्रकृतिको यस्तो सुन्दरता भएको मुलुकमा पो जाँगर चलाउनुपर्छ त ।

(ख) तलको अनुच्छेदबाट दुईओटा समस्त शब्द र दुईओटा द्वित्व शब्द खोजी समस्त शब्दको विग्रह र द्वित्व शब्दको निर्माण प्रक्रिया देखाउनुहोस् :

तिमी दोमन नगरी आलोपालो काम गर्ने बानी बसाल । आजभोलि मरमदतको भावना बिलाउँदै गएको छ । वास्तवमा यस्तो सहयोगले एकअर्काको खरखाँचोमा सहयोग पुग्छ भन्ने कुरा विचार गर ।

(ग) अनुच्छेदबाट चारओटा सन्धियुक्त शब्द पहिचान गरी तिनको सन्धिविच्छेद गर्नुहोस् :

म प्रत्येक दिन सूर्योदयको दृश्य अवलोकन गर्न घरको मास्तिरको डाँडामा खुरु उक्लिन्छु । विदाका दिनमा टाढा टाढादेखिका मान्छे आएर भिडभाड पनि बढ्छ । एकपटक त त्यहाँ केही भुगडिया मान्छेका कारण आन्तरिक पर्यटकका लागि पनि असहज वातावरण सिर्जना भएको थियो ।

७. कुनै एक प्रश्नको उत्तर दिनुहोस् :

(४)

(क) तलको अनुच्छेदका वाक्यलाई प्रथम पुरुषमा परिवर्तन गरी पुनर्लेखन गर्नुहोस् :

उसले तँलाई यही विद्यालयमा भेटेकी थिई । तिमीहरू विभिन्न ठाउँबाट यहाँ आएका हो । उनले तँलाई पक्कै सहयोग गर्लान् । यो जहिले पनि सहयोग गर्नुपर्छ भन्ने धारणा राख्छ ।

(ख) तलको अनुच्छेदका वाक्यलाई सामान्य आदर (अनादर) मा परिवर्तन गरी पुनर्लेखन गर्नुहोस् :

तपाईं प्रश्न राम्ररी बुझेर मात्र उत्तर लेख्नुहोस् । दायाँबायाँ आँखा नडुलाउनुहोस् । तपाईंले वार्षिक परीक्षाका लागि समेत राम्रो तयारी गर्नुभएनछ । तपाईं यस विषयमा गम्भीर बन्नुहोस् ।

८. कुनै एक प्रश्नको उत्तर दिनुहोस् :

(४)

(क) दिइएका वाक्यबाट दुई उद्देश्य विस्तार र दुई विधेय विस्तार पहिचान गरी लेख्नुहोस् :

मेरो आमा पहाडमा बस्नुहुन्छ । छरछिमेकमा उहाँ असाध्यै प्रतिष्ठित हुनुहुन्छ । गाउँबाट अग्ला हिमालहरू पनि मजाले देखिन्छन् । टाढा टाढाका मान्छे हिमाल हेर्न गाउँमा आउँछन् ।

(ख) दिइएका वाक्यलाई प्रत्यक्ष कथनमा परिवर्तन गर्नुहोस् :

उसले दिइएका प्रश्नको उत्तर गरेको छैन । ऊ आफू यी प्रश्नका उत्तर नलेख्ने कुरा बताउँदै छ । मैले यी प्रश्नहरू हाम्रा लागि नै तयार पारिएको विषय उसलाई बुझाएको छु । उसले यसबाट हुने फाइदाका बारेमा मलाई सोधेको छ ।

९. तलका दुवै प्रश्नको उत्तर दिनुहोस् :

(४+४=८)

(अ) तलका अनुच्छेदहरू पढी सोधिएका प्रश्नहरूको उत्तर दिनुहोस् :

शिक्षण सिकाइको अभिन्न अङ्गका रूपमा मूल्याङ्कनलाई लिइन्छ । योजना निर्माण, पाठ्यक्रमको निर्माण तथा कार्यान्वयन र सिकाइ सहजीकरण क्रियाकलाप आदि शैक्षिक प्रणालीअन्तर्गत सँगसँगै आएका हुन्छन् ।

सामान्यतया मूल्याङ्कनभित्र विद्यार्थी मूल्याङ्कनका साथसाथै कार्यक्रम मूल्याङ्कन, पाठ्यक्रम मूल्याङ्कन, शिक्षक मूल्याङ्कन आदि पर्छन् । यसका अतिरिक्त कार्यक्रम उत्पादन, नीति नियम, कार्यदक्षता व्यवस्थापन आदि क्षेत्रलाई पनि मूल्याङ्कनभित्र समेट्न सकिन्छ ।

सामान्यतया मापन, परीक्षण र मूल्याङ्कनलाई एउटै अर्थका रूपमा लिइए तापनि यिनीहरूबिचमा तात्त्विक भिन्नता छ । मापन र परीक्षणभन्दा मूल्याङ्कन बढी व्यापक छ । मूल्याङ्कनभित्रै मापन र परीक्षण पर्छन् । परीक्षणका आधारमा मापन गरिन्छ । मापनले विद्यार्थीको गुण, क्षमता वा विशेषताको सङ्ख्यात्मक वर्णन गर्छ । मूल्याङ्कनले सङ्ख्यात्मक, गुणात्मक व्याख्याका साथै मूल्य निर्धारण गर्छ । मूल्याङ्कनकै आधारमा कुनै विद्यार्थी वा कार्यक्रमको अन्तिम निर्णय दिने काम गरिन्छ ।

विशेष गरी विद्यार्थी मूल्याङ्कन गर्दा निर्माणात्मक र निर्णयात्मक गरी दुई किसिमबाट गर्न सकिन्छ । सुधारात्मक मूल्याङ्कन निर्माणात्मक मूल्याङ्कन हो । यो कार्यक्रम सञ्चालन सँगसँगै गरिन्छ । निरन्तर मूल्याङ्कन गर्दै पृष्ठपोषण दिन मिल्ने यो मूल्याङ्कन जुनसुकै समयमा औपचारिक र अनौपचारिक रूपमा गर्न सकिन्छ । निर्माणात्मक मूल्याङ्कनका अंशलाई पनि समावेश गर्दै शैक्षिक कार्यक्रमका अन्त्यमा गरिने निर्णयात्मक मूल्याङ्कनले प्रमाणपत्र दिने काम गर्छ । यस्तो मूल्याङ्कन शिक्षण सिकाइ कार्यक्रम वा शैक्षणिक कार्यक्रमको अन्त्यमा गरिन्छ ।

प्रश्नहरू :

- (क) मूल्याङ्कन भनेको के हो ?
- (ख) निर्माणात्मक र निर्णयात्मक मूल्याङ्कनबिच के फरक छ ?
- (ग) प्रमाणपत्र दिने परीक्षा किन आवश्यक छ ?
- (घ) माथिको अनुच्छेदका लागि सुहाउँदो शीर्षक के हुन सक्छ ?

(आ) तलको अनुच्छेद पढी अन्त्यमा सोधिएका प्रश्नको सही उत्तर छनोट गरी लेख्नुहोस् :

नेपालमा जननिर्वाचित संविधान सभाद्वारा निर्मित नयाँ संविधान २०७२ सालमा जारी भयो । नेपालको इतिहासमा सबैभन्दा प्रगतिशील यस संविधानको प्रावधानबमोजिम सङ्घीय संसद्, प्रदेश सभा र स्थानीय तहको निर्वाचन स्वतन्त्र, निष्पक्ष र धाँधलीरहित रूपमा सम्पन्न भयो । यस लोकतान्त्रिक विधिबाट देशमा सङ्घीय लोकतान्त्रिक गणतन्त्र थप सृष्टि बनेको छ । संविधानले नागरिक तथा राजनीतिक अधिकार एवम् सामाजिक, सांस्कृतिक अधिकारलाई निःसृत गर्ने मानव अधिकारका मूलभूत मान्यतालाई अङ्गीकार गरेको छ । मानव अधिकारको अवधारणाका प्रावधानलाई मुलुकमा कार्यान्वयन गर्ने पवित्र उद्देश्यले संविधानको प्रस्तावनामा र मौलिक हकअन्तर्गत विभिन्न महत्त्वपूर्ण व्यवस्था गरिएको हो । देशको मूल कानूनका रूपमा रहेको संविधानका व्यवस्थालाई प्रतिकूल असर पर्ने गरी कानून बनाउन मिल्दैन ।

अर्थात् संविधानसँग बाझिने गरी बनेका कानुन स्वतः बदर हुन्छ । यदि कुनै ऐन र सो ऐनका प्रावधान संविधानसँग बाझिएमा बाझिएको हदसम्म कानुनको त्यो व्यवस्था बदर गर्न अदालतमा मुद्दा परेमा अदालतले त्यसलाई बदर गर्छ । नयाँ संविधानको विभिन्न धाराका प्रावधान, मर्म र भावना अनुरूप हुने गरी सयौँको सङ्ख्यामा संसदले नयाँ कानुन तर्जुमा गरेको छ । संविधान अनुकूल हुने गरी संसदले ऐनका दफाहरू संशोधन गरेको छ । त्यसो त कानुन निर्मात्री लोकतान्त्रिक संस्था संसद् नबसेको बेलामा नेपाल सरकारले अध्यादेशमार्फत पनि देवानी र फौजदारी जस्ता सबै किसिमका कानुन बनाउन र पुराना कानुन संशोधन गर्न पाउने व्यवस्था छ, तर त्यसलाई संसद्को आगामी बैठकसमक्ष पेस गरेर अनुमोदन गराउनुपर्छ । देशमा बसोबास गर्ने कुनै पनि नागरिक वा कुनै पनि व्यक्ति कानुनभन्दा माथि हुन सक्दैन । सबैले कानुनको परिपालना गर्नुपर्छ । कानुनको शासन लोकतन्त्रको मर्म भएकाले कानुन उल्लङ्घन गर्नेउपर अदालतले सजायको भागिदार बनाउँछ । संवैधानिक प्रावधान र कानुनी व्यवस्थाको पालनाबाट नै समाज सभ्य, अनुशासित र मर्यादित हुने भएकाले सबैले यस पक्षमा ध्यान पुऱ्याउनुपर्छ । यसबाट नै एक आदर्श र समृद्ध समाज निर्माणमा योगदान पुग्छ ।

प्रश्नहरू :

(क) नेपालको संविधान २०७२ कुन निकायले निर्माण गरेको हो ?

- | | |
|-----------------------|------------------------|
| (अ) जननिर्वाचित संसद् | (आ) संविधान सभा |
| (इ) प्रदेश सभा | (ई) व्यवस्थापिका संसद् |

(ख) नागरिक, सामाजिक तथा सांस्कृतिक आदि अधिकार कुन अधिकारभित्र पर्छन्?

- | | |
|------------------|---------------------|
| (अ) मानव अधिकार | (आ) राजनीतिक अधिकार |
| (इ) मौलिक अधिकार | (ई) आर्थिक अधिकार |

(ग) कानुन बनाउने लोकतान्त्रिक संस्था कुन हो ?

- | | |
|--------------------|-------------------|
| (अ) सर्वोच्च अदालत | (आ) मन्त्रीपरिषद् |
| (इ) संविधानसभा | (ई) संसद् |

(घ) उपसर्ग र प्रत्यय लागेर बनेका शब्द क्रमशः कुन कुन हुन् ?

- | | |
|------------------------|----------------------|
| (अ) निर्माण र उल्लङ्घन | (आ) स्थानीय र प्रदेश |
| (इ) निःसृत र नागरिक | (ई) शासन र कानुनी |

१०. तलको अनुच्छेद पढ्नुहोस् र मुख्य मुख्य चारओटा बुँदा टिपोट गरी एकतृतीयांशमा सारांश लेख्नुहोस् : (२+२=४)

कुविचारभन्दा सुविचार राम्रो, सुविचारभन्दा विवेक विचार राम्रो र विवेक विचारभन्दा निर्विचार सबैभन्दा राम्रो हुन्छ । ऋषि पतञ्जलीका अनुसार निर्विचार अवस्थामा स्थित भइरहने अभ्यास जसले पर्याप्त मात्रामा गरेको हुन्छ, त्यसले परमानन्द पनि प्राप्त गरेको हुन्छ । जो मानिसले जरुरतभन्दा बढी विषयी कुरामा दिल लगाउँदैन, त्यसले सजिलैसँग निर्विचार अवस्था प्राप्त गर्न सक्छ । यो अवस्था प्राप्त गर्दैमा जिम्मेवारी चाहिँ सकिँदैनन् । यसको निरन्तर अभ्यास चलि रहनुपर्छ । ती

विचारबाहेक मनलाई खाली राखी राम्रो नराम्रो कुनै विचार आउन नदिई प्रशान्तिको अभ्यास गर्नुपर्छ । यो अभ्यासबाट साधकको अन्तस्करणमा एउटा सुदृढ प्रतिरोधक संस्कार सिर्जना हुन जान्छ । दुःखदायी विचारले यदाकदा गर्ने आक्रमणबाट यो संस्कारले साधकलाई सुरक्षित राख्छ । जसरी खोलामा बाढी आउनुभन्दा अगाडि खोलाछेउ रहेको आफ्नो घरको पर्खाललाई मजबुत गरिदियो भने बाढी आउने डरबाट सुरक्षित भई व्यक्ति अविचल भरीको रातमा पनि आनन्दको निद्रा लिन्छ । त्यस्तै गरी भयानक दुखको परिस्थितिमा पनि यस्तो साधकले धैर्य गुमाउँदैन । उसलाई थाहा छ, आएको दुःख अवश्य नै जान्छ । “यः आगच्छति सः गच्छति” अर्थात् आएको जुनसुकै तत्त्व फर्किएर जानलाई नै आउँछन् । यो सत्य कुरा हो । अतः दुश्चिन्ताग्रस्त हुनुपर्ने कारण छैन ।

११. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

(क) नयाँ बनेको आफ्नो घरमा बिजुलीको मिटर जडान गरिदिन अनुरोध गर्दै आफ्नो नजिकमा रहेको विद्युत् प्राधिकरणको कार्यालयलाई लेख्ने निवेदन तयार पार्नुहोस् । (मानौं, तपाईंको नाम सगुन नेपाली हो ।)

(ख) आफ्नो साथीले काठमाडौं विश्वविद्यालयबाट वातावरण विज्ञानमा स्नातक तहमा सर्वोत्कृष्ट नतिजा हासिल गरेको खुसियालीमा सार्वजनिक सञ्चार माध्यममा प्रकाशन गरिने बधाई सन्देशको नमुना तयार पार्नुहोस् । (मानौं, तपाईंको नाम सगुन नेपाली र ठेगाना कीर्तिपुर नपा, मच्छेगाउँ, काठमाडौं हो ।)

१२. कुनै एक प्रश्नको उत्तर लेख्नुहोस् : (४)

(क) ‘बढ्दो जनसङ्ख्याको दुष्परिणाम’ शीर्षकमा १५० शब्दसम्मको टिप्पणी लेख्नुहोस् ।

(ख) कुनै एउटा धार्मिक स्थल भ्रमणको विवरण/घटनालाई समेटी एउटा दैनिकी तयार पार्नुहोस् ।

१३. रोजागारीका लागि नेपालीहरू विदेश जानु बाध्यता हो वा रहर ? यसलाई रोक्न केकस्ता उपाय अपनाउनुपर्ला, १२५ शब्दमा नघटाई प्रतिक्रिया लेख्नुहोस् । (४)

१४. कुनै दुई प्रश्नको उत्तर दिनुहोस् : (४+४=८)

(क) दिइएको निबन्धांश पढी सोधिएका प्रश्नको उत्तर दिनुहोस् :

विहङ्गम दृष्टिले विचार गर्दा सम्पूर्ण पृथ्वी एउटा घर हो, गृह हो । यहाँ जल, स्थल, वायु, आकाश र तेज (प्रकाश) यी पाँच तत्त्व (पञ्चतत्त्व) का विच जलचर, स्थलचर, नभचर र सबै चराचर आफ्नो जीवन बिताउँछन् । पृथ्वीलाई छोडेर अन्य ग्रहमा जीवात्माको अस्तित्व भेटिएको छैन । त्यसैले हामी सबैले यहीं बाँच्नुपर्छ, यहीं मर्नुपर्छ । यो सिबाय अरू जाने ठाउँ छैन । पृथ्वीको पारिस्थितिक प्रणालीलाई बिथोलिएको भने हाम्रै अस्तित्व सङ्कटमा पर्छ । हालका दिनमा जलवायु परिवर्तनका विषयमा विशेष गरेर वायुमण्डल प्रदूषणका कारण पृथ्वी सतह अप्रत्याशित ढङ्गले तात्ने क्रमलाई लिएर विशेष चिन्ता र चासो हाम्रा सामु तेर्सिएको छ ।

प्रश्नहरू :

(अ) पृथ्वी कसरी सबैको साझा घर हुन सक्दछ ?

(आ) पृथ्वीको तात्ने क्रमलाई रोक्न के गर्न सकिन्छ ?

(ख) दिइएको कथांश पढी सोधिएका प्रश्नको छोटो उत्तर दिनुहोस् :

त्यो तृष्णा, त्यो अनन्तकालीन प्रतीक्षा, त्यो दिनहुँको अभ्यस्त निराशाको धक्का त्यसको सासमा मिसिइसकेको थियो । त्यही त्यसको जीवन थियो, त्यही त्यसको जीवनक्रम । त्यसैलाई समातेर त्यो आफ्नो जीवन गृहस्थीको गृहिणी थिई, आफ्नी सासूकी बुहारी र पोइकी जोई । तर कदाचित् कुनै हठात् अभिशापले त्यही छिन्नभिन्न गरिदिएको अवस्थामा पनि त्यो सानी चाहिने गृहिणी, बुहारी र लोग्नेकी स्वास्नी भइरहन सक्ली ? कुन हृदयबाट यस्तो आशा गर्ने ?

प्रश्नहरू :

(अ) सानीको प्रतीक्षाले उसको कस्तो मनस्थिति देखाउँछ ?

(आ) सानीको जीवनमा केकस्ता उतारचढावहरू देखिन्छन् ?

(ग) दिइएको संवादांश पढ्नुहोस् र सोधिएका प्रश्नको उत्तर लेख्नुहोस् :

हामीले त नेपालको कृषि क्षेत्रमा रहेका परम्परागत ज्ञान र अनुभवलाई जोगाउनुपर्ने छ । हाम्रा पुर्खाले जोगाएर हामीलाई सुम्पेका बिउबिजन हराउँदै गएका छन्, भविष्यका लागि तिनको संरक्षण र प्रवर्धन गर्नुपर्ने छ । कृषि कर्मलाई सम्मानित कर्मका रूपमा स्थापित गर्नुपर्ने छ । तर के गर्नु ? नेपालको करिब दुईतिहाइ जनसङ्ख्या कृषि क्षेत्रमा आश्रित छन् तैपनि आजका प्रायः विद्यार्थीले आफूलाई भोलिको किसान भन्ने सोचेको छैन । कृषिकै अध्ययन र अनुसन्धानमा लागेका कृषि वैज्ञानिक, नीति निर्माता, जिम्मेवार पदाधिकारी तथा कर्मचारी वा कृषि अभियन्ताले पनि आफ्ना सन्तानलाई किसान बनाउन खोजेका छैनन् । पढेलेखेको मान्छेले म अब कृषि कर्म अपनाउँछु भनी निर्णय लियो भने त्यसलाई अर्कै नजरले हेर्ने वातावरण छँदै छ । यो मनोविज्ञानलाई नबदलेसम्म हामी कसरी समृद्ध बन्न सक्छौं र ?

प्रश्नहरू :

(अ) हाम्रा मौलिक बिउबिजन कसरी जोगाउन सकिन्छ ?

(आ) कृषिकर्मलाई सम्मानित कर्मका रूपमा स्थापित गर्न के के गर्नुपर्ला ?

१५. कुनै एक प्रश्नको उत्तर दिनुहोस् :**(८)**

(क) 'वीर पुर्खा' कवितामा नेपालीहरूको केकस्तो वीरताको चर्चा गरिएको छ ? समीक्षा गर्नुहोस् ।

(ख) 'योगमाया' जीवनीका आधारमा सत्यनिष्ठा र समतामूलक समाजको स्थापनामा योगमायाले दिएका योगदानको चर्चा गर्नुहोस् ।

१६. कुनै एक शीर्षकमा २५० शब्दमा नघटाई निबन्ध लेख्नुहोस् :**(८)**

(क) मलाई मनपरेको साहित्यिक पुस्तक

(ख) नेपालको अर्थतन्त्रका मुख्य चुनौतीहरू

(ग) विश्वकप क्रिकेटमा नेपालको सहभागिता ।

नमुना प्रश्न सेट - ४

१. दिइएको अनुच्छेदका रेखाङ्कित वर्णहरूको प्रयत्न र घोषत्व छुट्याई लेख्नुहोस् : (३)
योगमाया लैङ्गिक विभेदको पनि कट्टर विरोधी थिइन् । उनी बालविवाहको विपक्षमा उभिन्थिन् तर स्वैच्छिक विधवा विवाहको समर्थन गर्थिन् ।
२. शुद्ध गरी पुनर्लेखन गर्नुहोस् : (३)
हेर्नुस् बट्टीजी हामीले खेतमा राशायनिक मल र विषादिको प्रयोग गर्थ्यौं । वालीको उत्पादन बढाउने काममा साथीहरूले तपाईं सँग सल्लाह मागेका छन् ।
३. अनुच्छेदमा रेखाङ्कन गरिएका शब्दको पदवर्ग पहिचान गरी लेख्नुहोस् : (२)
आज उनले मलाई धेरै कुराहरू सोधे । उनले सोधेका कुराहरूमध्ये खासै धेरै बुझिन्न । मैले केमा कुरा भयो भन्ने पनि राम्ररी बुझिन्न । उनले मलाई फोनबाट बाँकी कुरा सुनाए ।
४. दिइएका प्रश्नको उत्तर दिनुहोस् : (२+२=४)
(क) दिइएको अनुच्छेदबाट दुई दुईओटा तत्सम र आगन्तुक शब्द पहिचान गरी लेख्नुहोस् :
क्रमशः अग्लो हुँदै गएको कष्टप्रद, कठोर, दुर्गम पहाडको क्षीण पथलाई नजरले भेटेसम्म हेर्दा मान्छे पो हो कि भन्ने भ्रम पार्ने एउटा धब्बा जस्तो पनि केही देखिएन ।
(ख) दिइएका शब्दहरूलाई शब्दकोशीय क्रममा मिलाई लेख्नुहोस् :
व्यवहार, अंश, त्रास, ज्ञान ।
५. दिइएको अनुच्छेदबाट तीनओटा पारिभाषिक शब्द पहिचान गरी वाक्यमा प्रयोग गर्नुहोस् : (३)
हिजोभन्दा आज हरेक सङ्क्रामक रोगको उपचार खोपद्वारा सम्भव हुँदै गएको छ । देशमा कुपोषणबाट मृत्यु हुने बालबालिकाहरूको तथ्याङ्क सार्वजनिक गरिएको अभिलेखबाट थाहा पाउन सकिन्छ ।

अथवा

- दिइएको अनुच्छेदबाट एउटा अनुकरणात्मक शब्द, एउटा उखान र एउटा टुक्का पहिचान गरी तिनलाई वाक्यमा प्रयोग गर्नुहोस् :
हुने विरुवाको चिल्लो पात भने भैँ सबै साथीलाई मेख मादै परीक्षामा प्राप्त गरेको स्वप्निलको सफलताबाट उसका अभिभावक खुसीले गद्गद भए । अकबरी सुनलाई कसी लाउनुपर्दैन भन्दै मेधावी विद्यार्थी स्वप्निलले सबैको नाक राखेकामा आफूलाई धेरै खुसी लागेको कुरा विद्यालयका प्रधानाध्यापकले मुसुमुसु हाँस्दै सबैलाई बताए ।
६. कुनै दुई प्रश्नको उत्तर दिनुहोस् : (२+२=४)
(क) अनुच्छेदबाट दुईओटा उपसर्ग र दुईओटा प्रत्यय व्युत्पन्न शब्द पहिचान गरी तिनको निर्माण प्रक्रिया देखाउनुहोस् :
प्रमुख राजनीतिक दलहरूले गैरजिम्मेवार बनेर मुलुकलाई अनिर्णयको बन्दी बनाउनु हुँदैन । दलीय कर्तव्य र राष्ट्रिय जिम्मेवारीलाई बुझेर सकेसम्म चाँडै नै निकास दिने काममा केन्द्रित हुनु आवश्यक छ ।

(ख) अनुच्छेदबाट दुईओटा समस्त शब्द पहिचान गरी विग्रह गर्नुहोस् र दुईओटा द्वित्व शब्द पहिचान गरी दोहोरिएको अंश छुट्याउनुहोस् :

देशहितमा लागेका पीताम्बर र नीलकण्ठ आफ्नो कर्तव्य पूरा गर्दै गाउँबस्तीको उन्नतिमा मनवचनकर्मले लागेका छन् । एकअर्कामा सरसहयोग र मरमदत्त गर्ने अनि सुखदुःखमा साथ दिने उनीहरूको आनीवानीको छरछिमेकमा मुक्तकण्ठले प्रशंसा हुने गरेको छ ।

(ग) अनुच्छेदबाट चारओटा सन्धियुक्त शब्द पहिचान गरी सन्धि विच्छेद गर्नुहोस् :

हाम्रो देशको हिमाली सौन्दर्य, प्राकृतिक भूबनोट पुरातात्विक महत्त्वका वस्तुहरूको अवलोकन गर्न विदेशी पर्यटकहरू नेपालमा आउँछन् । उनीहरू नेपालीहरूको आतिथ्य सत्कारबाट हर्षित हुँदै हँसिलो अनुहार लगाई स्वदेशतर्फ फर्कन्छन् ।

७. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

(क) दिइएको अनुच्छेदलाई पुलिङ्ग भए स्त्रीलिङ्ग र स्त्रीलिङ्ग भए पुलिङ्गमा परिवर्तन गरी पुनर्लेखन गर्नुहोस् :

उनले गद्य शैलीमा कविता लेखे । त्यस कवितालाई मेरी माइजूले मन पराउनुभयो । काकी र फुपूले कविता वाचन गरेर सुनाउने इच्छा गर्नुभयो । मैले पनि उहाँहरूसँगै कविता वाचन गरेर सुनाएकी थिएँ ।

(ख) दिइएको अनुच्छेदलाई एकवचन भए बहुवचन र बहुवचन भए एकवचनमा परिवर्तन गरी पुनर्लेखन गर्नुहोस् :

मैले गाउँमा पुरानो साथीलाई भेटें । हामीले चराहरू र जलचरहरूका बारेमा धेरै बेर कुरा गर्‍यौं । साथीले आफ्नो प्रगतिको कथा सुनायो । उसका कुरा सुनेर मेरा साथीहरू दङ्ग परे ।

८. कुनै एक प्रश्नको उत्तर दिनुहोस् : (४)

(क) तलको अनुच्छेदका वाक्यको पदसङ्गति मिलाई पुनर्लेखन गर्नुहोस् :

मेरी आमा कार्यालयमा जानुभइन् । कार्यालयबाट आउँदाखेरि उनले मलाई किताबहरू ल्याइदिनुभयो । ठुलो बहिनी भने आमा आउँदा पनि खेलेर बसेकी थिई । आमा आफ्नो सन्तानहरूको राम्रो ख्याल गर्नुहुन्छ ।

(ख) तलको अनुच्छेदका करण वाक्यलाई अकरणमा र अकरण वाक्यलाई करण वाक्यमा परिवर्तन गरी पुनर्लेखन गर्नुहोस् :

स्वागता घरायसी काममा सधैं आमालाई सघाउँछिन् । आमा उनलाई कहिल्यै गाली गर्नुहुन्न । स्वागतालाई यस्ता कार्यमा असाध्यै रुचि लाग्छ रे । उनकी बहिनी चाहिँ घरायसी काम गर्न पटकै मन नपराउलिन् र !

९. दुवै प्रश्नको उत्तर दिनुहोस् : (४+४=८)

(अ) दिइएको अनुच्छेद पढी सोधिएका प्रश्नको छोटो उत्तर लेख्नुहोस् :

जलका विभिन्न स्वरूप हुन्छन् । पग्लिने, अग्लिने र उड्ने सक्ने क्षमता पानीमा हुन्छ । हिउँ पग्लिएर नदी बन्दा नदीको पानी बाफ बन्छ र हिमालका थाप्लामा हिउँ जम्छ । ठोस, तरल, ग्याँस मात्र होइन, पानीमा आगो ओक्ल्ने

ऊर्जा हुन्छ । विद्युत् पानीबाटै निकालिन्छ । यस्तो महत्त्वपूर्ण चमत्कारी पानी सदुपयोग गरे बन्दछ सुखी जिन्दगानी, दुरुपयोग भए दुःखमै बिच्छ जिन्दगानी । ठोस, तरल, ग्याँस, राप, ताप, तेजसँगैको ऊर्जाले विश्वमा अविकासका सारा स्वरूपलाई चुनौती दिइरहेको छ । आज हामी आफैँसँगको बिना नचिनेर भौँतारिइरहेको कस्तुरी भैं भएका छौँ । जलस्रोतमा धनी राष्ट्र भए पनि दिगो पूर्वाधार विकासका योजनाका अभावले गर्दा हामी स्रोत र साधन भए पनि अँध्यारामा बस्न बाध्य छौँ । उर्वराभूमि भएर पनि सिँचाइका आधुनिक प्रविधि अपनाउन नसक्दा जग्गा बाँझै छन्, जनता भोकभोकै छन् । युवाशक्ति विदेसिन बाध्य छन् । विकासनिर्माणले विश्वलाई चकित पार्ने छिमेकीलाई टुलुटुलु हेरेर गाँस, बासकै समस्यामा पिरोलिन बाध्य छ हाम्रो समाज । यो अवस्थालाई बदलेर विश्व प्रतिस्पर्धामा होमिन सक्ने बनाउने क्षमता जलस्रोतमा मात्र छ । हामी अमृतसमान हिमालको कञ्चन पानी बोटलमा बेचेर विश्वका मानिसको तिर्खा मेटाउन सक्छौँ । कर्नालीमा जलविहार, कोसी र तामाकोसीमा सिँचाइका उचित व्यवस्थापन गरेर धर्ती उर्वरा बनाउन सक्छौँ ।

प्रश्नहरू :

- (क) पानीलाई महत्त्वपूर्ण चमत्कारी किन भनिएको हो ?
- (ख) जलस्रोत र ऊर्जाका क्षेत्रमा दिगो विकास कसरी गर्न सकिन्छ ?
- (ग) धर्तीलाई उर्वरा बनाउने आधारहरू के के हुन् ?
- (घ) राष्ट्र निर्माणमा सिँचाइको कस्तो भूमिका हुन्छ होला ?

(आ) दिइएको अनुच्छेद पढी सोधिएका प्रश्नको उत्तर लेख्नुहोस् :

मुलुकमा रहेको बेरोजगार एवम् अनुत्पादक श्रमशक्तिलाई उनीहरूको योग्यता, सिप तथा दक्षताअनुरूप अन्य विभिन्न मुलुकमा रोजगारीका लागि पठाई उनीहरूमार्फत वैदेशिक विप्रेषण आय, सिप, प्रविधि र अनुभव स्वदेशमा भित्र्याइन्छ । नेपालको अर्थव्यवस्थामा वैदेशिक रोजगारीको योगदान उल्लेखनीय रहेको छ । विगतको द्वन्द्वको समयमा अर्थतन्त्रका आन्तरिक पक्षहरू कृषि, उद्योग, व्यापारलगायतका क्षेत्रहरूमा नकारात्मक असर परेको अवस्थामा समेत वैदेशिक रोजगारीले निरन्तर टेवा पुर्‍याए तापनि दक्ष कामदार १.५ प्रतिशत, २४ प्रतिशत अर्धदक्ष र ७४.५ प्रतिशत अदक्ष जनशक्ति विदेसिने हुँदा नेपालले यसबाट पूर्ण लाभ लिन सकिरहेको छैन । नेपाली कामदारको मुख्य गन्तव्यका रूपमा कतार, मलेसिया, बहराइन, साउदी अरेबिया, संयुक्त अरब इमिरेट्स र कुवेत रहेका छन् । वैदेशिक रोजगार विकासको दीर्घकालीन स्रोत होइन । मुलुकभित्रै कृषिक्षेत्रको आधुनिकीकरण एवम् व्यवसायीकरण, उद्योग क्षेत्रको विकास र विस्तार तथा विविध स्वरोजगारीका अवसर सिर्जनामार्फत बाध्यात्मक वैदेशिक रोजगारीको अन्त्य गरी दक्ष एवम् सिपयुक्त जनशक्तिलाई मात्र वैदेशिक रोजगारीमा परिचालन गर्दै वैदेशिक रोजगारीलाई सुरक्षित, मर्यादित र व्यवस्थित गरेमा

नेपालले आर्थिक विकासमा वैदेशिक रोजगारीबाट अधिकतम लाभ लिन सक्छ ।

प्रश्नहरू :

(क) विप्रेषण शब्दको अर्थ कुन हो ?

(अ) रेमिट्यान्स (आ) तलब (इ) रोजगारी (ई) आम्दानी

(ख) नेपालको अर्थतन्त्रका आन्तरिक पक्षहरू के के हुन् ?

(अ) व्यापार र जडीबुटी (आ) यातायात र शिक्षा
(इ) स्वास्थ्य र रोजगार (ई) कृषि र उद्योग

(ग) विकासको दीर्घकालीन स्रोत के हो ?

(अ) वैदेशिक रोजगारी (आ) सुरक्षित लगानी
(इ) कृषिको आधुनिकीकरण (ई) श्रम स्वीकृति

(घ) नेपाली कामदारको मुख्य गन्तव्यका रूपमा कतार, मलेसिया, बहराइन, साउदी अरेबिया, संयुक्त अरब इमिरेट्स र कुबेत रहेका छन् ।' भन्ने वाक्यमा 'गन्तव्य' कस्तो शब्द हो ?

(अ) उपसर्ग व्युत्पन्न (आ) प्रत्यय व्युत्पन्न
(इ) समस्त शब्द (ई) द्वित्व शब्द

१०. अनुच्छेदबाट चारओटा बुँदा टिपी एक तृतीयांशमा सारांश लेख्नुहोस् : (२+२=४)

हाम्रो समाज मूर्त र अमूर्त संस्कृतिको मिश्रण हो । हाम्रा गाउँ तथा सहरमा प्राचीन सभ्यताका धरोहर यत्रतत्र छन् । साकेला, चासोक, च्याबुङ र धान नाचमा रमाउने मन हुड्केली, सोरठी र मारुनीमा त्यत्तिकै रमाउँछ । देउडा र घाटुले भौगोलिक सीमा नाघेर बास्ना छरेका छन् । चान्दी, डाँडी, हनुमान् र पञ्चबुद्ध नृत्यहरू हाम्रा मुटुका ढुकढुकी बनेका छन् । शास्त्रीय र लोक नृत्य, गीत र वादनमा हाम्रा अनन्य सम्पदा छन् । स्याब्रो र तिजीले सखिया, सन्थाल र सरायसँग मितेरी लाउँछन् । भुओ, खैजडी, बालुन, साँगिनी र लाखे पहाडी सौन्दर्य बनेका छन् । बाली लाउँदा, भित्र्याउँदा, दाईँ गर्दा गाइने गीतहरू पुनर्जीवनको आशा गर्दै छन् । गन्धर्व, चर्या, खाँडो र गाथाहरू कुनाकन्दरामा जीवितै छन् । यहाँ भाषाको भण्डार छ । संस्कार, रीतिरिवाज र परम्पराका पारखीहरू हाम्रा गाउँमा भुल्छन्, सहरमा रमाउँछन् । खानपान र पहिरनमा जातीय, क्षेत्रीय र सामुदायिक विविधता छन् । मन्दिर, विहार, मस्जिद, गिर्जाघर, गुरुद्वारा, थान र मार्गस्थानहरू हाम्रा आस्थाका केन्द्र हुन् । हामी भाषा, धर्म, संस्कृति र परम्परामा बहुल छौँ तर आपसमा सहिष्णु छौँ । यो नै विश्वमा हाम्रो अनुपम पहिचान हो ।

११. कुनै एक प्रश्नको उत्तर दिनुहोस् :

(४)

- (क) स्थानीय स्वास्थ्य केन्द्रले सर्वसाधारण जनतालाई कोरोना भाइरसविरुद्धको खोप लगाउन जारी गर्ने सार्वजनिक सूचनाको नमुना तयार पार्नुहोस् ।
- (ख) कसैको शुभविववाहका अवसरमा आफन्तजनहरूलाई आमन्त्रण गर्न दिइने निमन्त्रणापत्रको नमुना तयार पार्नुहोस् ।

१२. कुनै एक प्रश्नको उत्तर दिनुहोस् :

(४)

- (क) आफ्नो विद्यालयको वार्षिकोत्सवका सन्दर्भमा आयोजित विविध कार्यक्रमलाई समेटि १५० शब्दसम्मको प्रतिवेदन लेख्नुहोस् । (मानौं, तपाईंको नाम विष्णु र विद्यालय शारदा मा.वि. हो ।)
- (ख) 'राष्ट्रनिर्माणमा नागरिकको भूमिका' विषयमा १५० शब्दसम्मको वक्तृता तयार पार्नुहोस् ।

१३. महिलामाथि हुने हिंसालाई कसरी नियन्त्रण गर्न सकिएला ? १२५ शब्दसम्ममा आफ्नो प्रतिक्रिया लेख्नुहोस् ।

(४)

१४. कुनै दुई प्रश्नको उत्तर लेख्नुहोस् :

(४+४=८)

(क) दिइएको कथांश पढी सोधिएका प्रश्नको उत्तर दिनुहोस् :

“त्यही कुराको खुसी छ, हिम्मत त किन हारिन्थ्यो र ! अरे, एक साल भएन त अर्को साल कहाँ जाला ! जब उतर गए रण पे तो पिछे हटना क्यौं ? एउटा कुराको दुःख छ भाइ ! यस्तो बेलामा, किसुन भाइ ! तिमी पनि गाउँमा हुँदा हो त हामीलाई धेरै आडभरोस मिल्थ्यो, बल मिल्थ्यो; आखिर हामी त मूर्ख र गँवार न हौं । तिमी लेखपढ गरेको मान्छे । तिमी भन्या गाउँको अभिमान हो, हाम्रो इज्जत हो । तर तिमी पनि परदेशी भइदिँदा गाउँ मालिकहरूको एकलौटी रजाइँमा पर्छ...।”

प्रश्नहरू :

(अ) कृष्णलाई सबैले किन सम्मान गरेका हुन् ?

(आ) पढेलेखेका मान्छेले गाउँ छोडियो भने गाउँमा कस्तो असर पर्छ ?

(ख) दिइएको नाट्यांश पढी सोधिएका प्रश्नको छोटो उत्तर दिनुहोस् :

ठिक भन्नुभो बाबा । सन्तानको सुख र शिक्षाका लागि भन्दै म रातदिन खटिएँ तर मैले मेरो छोरालाई समय दिइनँ । उससँग बसेर उसको पढाइका बारेमा कुरा गरिनँ । उसका साथी को को छन् भनेर कहिल्यै सोधखोज गरिनँ । ऊ कहाँ गयो, के गर्‍यो, के खायो भनेर ख्याल गरिनँ । म त खालि मेरो व्यवसाय, बैठक आदि भन्दै दौडधुप गरिरहेँ । उसले मागे जति पैसा दिइरहेँ तर ऊ त धेरै पहिलेदेखि दुर्व्यसनको सिकार भइसकेको रहेछ र आज मैले यो दिन भोग्नुपर्‍यो ।

प्रश्नहरू :

(अ) यस नाट्यांशमा वक्ताले आफ्ना केकस्ता कमजोरी रहेको स्विकारेका छन् ?

(आ) यस नाट्यांशमा व्यक्त समस्या कसरी समाधान गर्न सकिएला ?

(ग) दिइएको पाठ्यांश पढी सोधिएका प्रश्नको उत्तर दिनुहोस् :

“उहाँले योग र ध्यानका सबै विधि सिकाउनुभयो र गर्न पनि लगाउनुभयो । आयुर्वेदिक औषधी पनि दिनुभयो ।” सुन्दरले भने । “मनोचिकित्सकलाई पनि सोधियो, उहाँले त्यो पनि एउटा राम्रो पद्धति हो, आराम पनि हुन्छ भन्ने सल्लाह दिनुभयो । नभन्दै विस्तारै मन शान्त हुन थाल्यो । मैले योगको विषय पनि बोध गर्दै गएँ । यसमा यम, नियम, आसन, प्राणायाम, प्रत्याहार, धारणा, ध्यान हुँदै समाधिसम्मको यात्रा गरिन्छ भन्ने पनि बुझें । यस बोधले त मेरा मनका विकार हट्दै गए र जीवनमा बाँच्ने इच्छाशक्ति जागृत भयो ।” सुन्दरले भने । “अनि त म भन् योग र ध्यान सिक्न थालें र प्रशिक्षक बनें । डाक्टर भा मेरा डाक्टर मात्रै नभएर गुरु पनि हुनुभयो ।”

प्रश्नहरू :

(अ) सुन्दरमा कसरी बाँच्ने इच्छाशक्ति जागृत भयो ?

(आ) योग साधनाले मानव स्वस्थमा पार्ने प्रभावहरू के के हुन् ?

१५. कुनै एक प्रश्नको उत्तर दिनुहोस् :

(द)

(क) ‘त्यो फेरि फर्कला ?’ कथाले केकस्तो मनोविज्ञान प्रस्तुत गरेको छ ? विवेचना गर्नुहोस् ।

(ख) नेपालको पर्यावरणले पर्यटनलाई कसरी सहयोग पुर्याएको छ, ‘पर्यापर्यटनका सम्भावना र आयाम’ पाठका आधारमा समीक्षात्मक उत्तर लेख्नुहोस् ।

१६. दिइएका मध्ये कुनै एक शीर्षकमा २५० शब्दमा नघटाई निबन्ध लेख्नुहोस् : **(द)**

(क) नेपालमा जलस्रोतको सम्भावना

(ख) युवा र स्वरोजगार

(ग) मेरो देश : मेरो कर्मभूमि ।

*****समाप्त*****

विषय : सामाजिक अध्ययन तथा जीवनोपयोगी शिक्षा (००५१)

कक्षा : ११ पूर्णाङ्क : ७५

नमुना प्रश्न सेट - १

(परीक्षार्थीले सकेसम्म आफ्नै शैलीमा उत्तर लेख्नुपर्ने छ । दायाँ किनारामा दिइएका अङ्कले पूर्णाङ्कलाई जनाउँदछ ।)

समूह क

तलका प्रश्नहरूको धेरै छोटो उत्तर दिनुहोस् ।

११ × १ = ११

१. सामाजिक अध्ययन र जीवनोपयोगी शिक्षाबिचको भिन्नता एक वाक्यमा लेख्नुहोस् ।
२. सामाजिक अध्ययनमा प्रयोग हुने कुनै चार सिपहरूको नाम लेख्नुहोस् ।
३. इन्टरनेटको प्रयोग गर्दा तपाईंले भोगेका कुनै दुई चुनौतीको बारेमा भाइलाई सल्लाह दिनुहोस् ।
४. डिजिटल एप्लिकेसनको प्रयोगले तपाईंको दैनिक जीवनमा आएका कुनै दुई प्रभाव लेख्नुहोस् ।
५. मध्यकालीन समयमा एसियाको आर्थिक सङ्कुचनको प्रमुख कारण के थियो ? एक वाक्यमा लेख्नुहोस् ।
६. नेपालका दलित समुदायले भोग्नु परेका कुनै दुई समस्याहरू लेख्नुहोस् ।
७. नेपालको संविधानको कुनै एक महत्त्वपूर्ण धार्मिक विशेषता लेख्नुहोस् ।
८. जनसाङ्ख्यिक लाभांश भनेको के हो ? एक वाक्यमा लेख्नुहोस् ।
९. जनसङ्ख्या व्यवस्थापनको सबैभन्दा प्रभावकारी उपाय कारण दिई लेख्नुहोस् ।
१०. आर्थिक उदारीकरणको नीतिको कुनै एक विशेषता लेख्नुहोस् ।
११. प्राचीन चिकित्सा पद्धतिका कुनै दुई उदाहरण दिनुहोस् ।

समूह ख

तलका प्रश्नहरूको छोटो उत्तर दिनुहोस् ।

८ × ५ = ४०

१२. इन्टरनेट र सामाजिक सञ्जालको उत्तरदायी प्रयोगका प्रभावकारी उपायहरू सम्झाउँदै भाइलाई पत्र लेख्नुहोस् ।

अथवा

- कम्प्युटरको प्रयोगले हाम्रो व्यावहारिक जीवनलाई कसरी प्रभावकारी बनाउन सकिन्छ ? दुई साथीबिच संवादको नमुना तयार पार्नुहोस् ।
१३. पुँजीवादी युगको सुरुवात सँगसँगै मानवीय जीवन किन बढी प्रतिस्पर्धात्मक र आधुनिक बन्दै गयो ? पाँच बुँदामा लेख्नुहोस् ।
१४. तराई प्रदेशको भौगोलिक तथा सामाजिक-सांस्कृतिक विशेषतालाई समेटी दुई साथीबिचको संवादको नमुना तयार पार्नुहोस् ।
१५. मध्यकालीन समयमा एसियाको आर्थिक मन्दीका कारणहरू स्मरण गर्दै एक राष्ट्रिय दैनिकका निम्ति सम्पादकीय तयार पार्नुहोस् ।
१६. नेपालको क्षेत्रीय तथा सांस्कृतिक विविधता सम्बन्धमा पाँच बुँदामा लेख्नुहोस् ।
१७. नेपालका जनजाति समुदायका कुनै पाँच विशेषता सूचीबद्ध गर्नुहोस् ।
१८. नेपालको संविधानको महत्त्वपूर्ण सामाजिक तथा सांस्कृतिक विशेषताहरू समेटी दुई साथीबिच संवादको नमुना तयार पार्नुहोस् ।

१९. नेपालमा प्रचलित परम्परागत स्वास्थ्य सेवाहरूमध्ये कुनै दुईका बारेमा छोटकरीमा लेख्नुहोस् ।

अथवा

नेपालमा गुणस्तरीय स्वास्थ्य सेवामा पहुँच अभिवृद्धि गर्नका निम्ति नेपाल सरकारले अवलम्बन गरेका उपायहरू पाँच बुँदामा लेख्नुहोस् ।

समूह ग

तलका प्रश्नहरूको लामो उत्तर दिनुहोस् ।

३ × ८ = २४

२०. परिवर्तित जीवनशैलीका कारण हाम्रा व्यक्तिगत तथा सामाजिक जीवनमा विभिन्न किसिमका तनावहरू आइरहेका हुन्छन् । यस्ता तनाव व्यवस्थापनका कुनै आठ उपायहरूका बारेमा छोटकरीमा लेख्नुहोस् ।
२१. कुनै पनि ठाउँको हावापानीले मानव जीवन तथा वनस्पतिमा कस्तो असर पुऱ्याउँदछ ? उपयुक्त उदाहरणसहित लेख्नुहोस् ।

अथवा

- मानव समाजको विकासक्रममा पुरातत्त्वविद्हरूले दुइगो युगको जीवन पद्धतिलाई तीन चरणहरूमा विभाजन गरेका छन् । ती चरणहरूको छोटकरीमा लेख्नुहोस् ।
२२. तपाईंका छिमेकीले वैदेशिक रोजगारमा जानुभन्दा अगाडि नठगिन र विदेशमा असुरक्षित हुनबाट बच्नका निम्ति आवश्यक सुझाव मारनु भएमा के कस्ता सुझाव दिनुहुन्छ ? आठ बुँदामा लेख्नुहोस् ।

नमुना प्रश्न सेट - २

(परीक्षार्थीले सकेसम्म आफ्नै शैलीमा उत्तर लेख्नुपर्ने छ । दायाँ किनारामा दिइएका अङ्कले पूर्णाङ्कलाई जनाउँदछ ।)

समूह क

तलका प्रश्नहरूको धेरै छोटो उत्तर दिनुहोस् ।

११ × १ = ११

- सामाजिक अध्ययन र सामाजिक शिक्षा विचको भिन्नता एक वाक्यमा लेख्नुहोस् ।
- सामाजिक अध्ययनलाई एकीकृत विषयका रूपमा लिइन्छ ? कुनै एक कारण दिनुहोस् ।
- सामाजिक सञ्जालको उत्तरदायी प्रयोगको कुनै एक उपाय लेख्नुहोस् ।
- साइबर नैतिकता कायम गर्नका निम्ति एक सुझाव दिनुहोस् ।
- मध्यकालमा भारतको आर्थिक पतन हुनुको मुख्य कारण के थियो ? एक वाक्यमा लेख्नुहोस् ।
- दलित आयोगका अनुसार नेपालमा कति प्रकारका दलितहरू रहेका छन् र ती कुन कुन हुन् ?
- वर्तमान नेपालको संविधानलाई सबैभन्दा बढी लोकतान्त्रिक र प्रजातान्त्रिक संविधानको रूपमा लिनुको कुनै एक कारण लेख्नुहोस् ।
- जनसाङ्ख्यिक अवसरको भ्याल भनेर जनसङ्ख्याको कस्तो अवस्थालाई बुझिन्छ ? एक वाक्यमा लेख्नुहोस् ।
- जनसाङ्ख्यिक सङ्क्रमणको कुन अवस्थालाई जनसङ्ख्या विष्फोटको अवस्था भनिन्छ र किन ? एक कारण दिनुहोस् ।

१०. नेपालको आर्थिक विकासका निम्ति सहकारी क्षेत्रको महत्त्व एक वाक्यमा लेख्नुहोस् ।
११. नेपालमा प्रचलित कुनै दुई परम्परागत स्वास्थ्य पद्धतिको नाम लेख्नुहोस् ।

समूह ख

तलका प्रश्नहरूको छोटो उत्तर दिनुहोस् ।

८ × ५ = ४०

१२. माइक्रोसफ्ट वर्डमा फाइल खोली आवश्यक दस्तावेज तयार गरी प्रिन्ट गर्दासम्मको चरण उल्लेख गरी गाउँमा बस्ने भाइलाई पत्र लेख्नुहोस् ।

अथवा

- इमेलको प्रयोग विद्युतीय हुलाकको छोटकरी रूप इमेल हो । यसबाट हुने फाइदालाई समेटी संवादको नमुना तयार पार्नुहोस् ।
१३. औद्योगिक युगको सुरुवात सँगसँगै मौलिक संस्कृतिहरू क्रमिक रूपमा लोप हुँदै गए । यस्तो हुनुका कुनै पाँच कारण बुँदागत रूपमा लेख्नुहोस् ।
१४. हिमाली प्रदेशको भौगोलिक तथा सामाजिक सांस्कृतिक विशेषतालाई समेटी दुई साथीबिचको संवादको नमुना तयार पार्नुहोस् ।
१५. मध्यकालीन समयमा एसियाको आर्थिक उदयका कारणहरू स्मरण गर्दै एक राष्ट्रिय दैनिकका निम्ति सम्पादकीय तयार पार्नुहोस् ।
१६. नेपाल बहुभाषिक, बहुधार्मिक, बहुसांस्कृतिक तथा भौगोलिक रूपमा विविधतायुक्त मुलुक हो । पाँच बुँदामा आफ्नो तर्क प्रस्तुत गर्नुहोस् ।
१७. बहुसांस्कृतिकता र सामाजिक एकता शीर्षकमा राष्ट्रिय दैनिकका निम्ति एक सम्पादकीय तयार पार्नुहोस् ।
१८. नेपालको संविधानको महत्त्वपूर्ण राजनीतिक तथा धार्मिक विशेषताहरू समेटी दुई साथीबिच संवादको नमुना तयार पार्नुहोस् ।
१९. नेपालमा प्रचलित परम्परागत स्वास्थ्य सेवाहरू आफ्नै विशेष महत्त्व रहेको छ । ती महत्त्वहरूलाई बुँदागत रूपमा लेख्नुहोस् ।

अथवा

नेपालमा गुणस्तरीय स्वास्थ्य सेवामा पहुँच अभिवृद्धि गर्नका निम्ति नेपाल सरकारले विभिन्न उपायहरू अवलम्बन गरे पनि अझ धेरै मनिसहरू स्वास्थ्य सेवाबाट वञ्चित छन् । यसका कारणहरू पाँच बुँदामा लेख्नुहोस् ।

समूह ग

तलका प्रश्नहरूको लामो उत्तर दिनुहोस् ।

३ × ८ = २४

२०. समस्याको प्रभावकारी ढङ्गले समयमै समाधान गर्नु एक जीवनोपयोगी सिप हो । यसका निम्ति आवश्यक पर्ने सिप र यसका चरणहरू प्रस्तुत गर्नुहोस् ।
२१. विश्वका भौगोलिक विविधताअनुसार जनजीवन निर्धारण भएको पाइन्छ । विश्वका भौगोलिक विविधता र जनजीवनबिचको अन्तरसम्बन्धबारे व्याख्या गर्नुहोस् ।

अथवा

- नेपालमा जात प्रथासम्बन्धी अस्तित्वमा रहेका विभिन्न अवधारणाहरूको छोटकरीमा व्याख्या गर्नुहोस् ।
२२. कारोबार भनेको हो । प्रकृतिका आधारमा कारोबार कति प्रकारका हुन्छन् ? छोटकरीमा व्याख्या गर्नुहोस् ।

नमुना प्रश्न सेट - ३

(परीक्षार्थीले सकेसम्म आफ्नै शैलीमा उत्तर लेख्नुपर्ने छ । दायाँ किनारामा दिइएका अङ्कले पूर्णाङ्कलाई जनाउँदछ ।)

समूह क

तलका प्रश्नहरूको धेरै छोटो उत्तर दिनुहोस् ।

११ × १ = ११

१. सामाजिक अध्ययन र सामाजिक शिक्षाविचको भिन्नता एक वाक्यमा लेख्नुहोस् ।
२. सामाजिक अध्ययन एक एकीकृत विषय हो । यसका महत्त्वपूर्ण विधाहरूको नाम लेख्नुहोस् ।
३. सामाजिक सञ्जालका माध्यमलाई सुरक्षित रूपले प्रयोग गर्नका निम्ति आफ्नो साथीलाई के सल्लाह दिनुहुन्छ ? एक वाक्यमा लेख्नुहोस् ।
४. कम्प्युटरमा प्रयोग हुने कुनै दुई इन्पुट उपकरणका उदाहरण दिनुहोस् ।
५. इतिहासका पिता भनेर कसलाई चिनिन्छ ? लेख्नुहोस् ।
६. नेपाल दलित आयोगका अनुसार नेपालमा कुन वर्ग दलितअन्तर्गत पर्दछन् ? लेख्नुहोस् ।
७. संविधानको प्रस्तावनालाई किन महत्त्वपूर्ण दस्तावेज मानिन्छ ? एक वाक्यमा लेख्नुहोस् ।
८. ग्रामीण बस्तीको कुनै दुई विशेषता लेख्नुहोस् ।
९. विविधताले भरिएको नेपाली समाजमा सामाजिक स्थिरता कायम गर्न तपाईंले खेल्न सक्ने कुनै एक भूमिका लेख्नुहोस् ।
१०. नेपालको गरिबी समस्या समाधानका निम्ति कुनै दुई उपायहरूको सूची तयार पार्नुहोस् ।
११. सामाजिक अध्ययन तथा जीवनोपयोगी शिक्षाको महत्त्व एक वाक्यमा लेख्नुहोस् ।

समूह ख

तलका प्रश्नहरूको छोटो उत्तर दिनुहोस् ।

८ × ५ = ४०

१२. माइक्रोसफ्ट वर्डमा कागजात तयार गर्नेदेखि प्रिन्ट गर्नेसम्मका चरणहरू बुँदागत रूपमा लेख्नुहोस् ।

अथवा

सामाजिक सञ्जाल तथा सूचना प्रविधिहरूको सुरक्षित प्रयोग कसरी गर्न सकिन्छ ? आवश्यक सुझावसहित भाइलाई पत्र लेख्नुहोस् ।

१३. निम्न पुरापाषाण र मध्यपुरापाषाण जीवन पद्धतिविच पाँच बुँदामा भिन्नता लेख्नुहोस् ।
१४. नेपाललाई विश्व मानचित्रमा चिनाउनका निम्ति यसका महत्त्वपूर्ण सांस्कृतिक विशेषताहरू समेटी दुई साथीबिचको संवादको नमुना तयार पार्नुहोस् ।
१५. इतिहास लेखनका विभिन्न प्रवृत्तिहरू छन् । तीमध्ये सबैभन्दा महत्त्वपूर्ण प्रवृत्ति कुन मानिन्छ ? आफ्ना तर्क प्रस्तुत गर्नुहोस् ।
१६. जात प्रथासम्बन्धी व्यवहारजन्य अवधारणा शीर्षकमा कुनै एक राष्ट्रिय दैनिकका निम्ति लेख तयार पार्नुहोस् ।

१७. छुवाछुत जस्ता अमानवीय र गैरकानुनी कार्यले गर्दा समाजको समग्र परिवर्तनमा कठिन हुने गर्दछ । यस्ता कार्यलाई समाजबाट निर्मूल गर्नका निम्ति तपाईंले खेल सक्ने महत्त्वपूर्ण भूमिकालाई सूचीबद्ध गर्नुहोस् ।
१८. नेपाल अधिराज्यको संविधान २०४७ को प्रस्तावनाका महत्त्वपूर्ण पाँच विशेषताहरू लेख्नुहोस् ।
१९. नेपालमा दिनप्रतिदिन सहरी बस्ती बढ्दो क्रममा छ । सहरी बस्तीका अवसर तथा चुनौतीहरू बुँदागत रूपमा लेख्नुहोस् ।

अथवा

सहरी बस्ती हुनका निम्ति विभिन्न मापदण्डहरूको आवश्यक पर्दछ । ती मापदण्डहरूको औचित्यका बारेमा आफ्ना तर्क प्रस्तुत गर्नुहोस् ।

समूह ग

तलका प्रश्नहरूको लामो उत्तर दिनुहोस् ।

३ × ८ = २४

२०. बुझाइ वा विचार ग्रहणमा कठिनाइ परेको अवस्था समस्या हो भने यस्तो अवस्थाको समाधानका चरण तथा प्रक्रियाहरूका बारेमा लेख्नुहोस् ।
२१. विश्व मानचित्रमा नेपालको एक छुट्टै पहिचान रहेको छ । नेपालको विविध पक्षहरूको जानकारी दिँदै एक लेख तयार पार्नुहोस् ।

अथवा

- जात हिन्दु धर्ममा आधारित भएर समाजलाई स्तरीकृत बनाउन मानवले अपनाएको जन्मजात गुण हो । यससम्बन्धी विभिन्न अवधारणाहरूबारे व्याख्या गर्नुहोस् ।
२२. हाम्रो देशमा विभिन्न किसिमका आर्थिक चुनौतीहरू रहेका छन् । ती चुनौतीबाट उन्मुक्ति हुने अवस्था पाउनका निम्ति एक प्रतिवेदनको नमुना तयार पार्नुहोस् ।

नमुना प्रश्न सेट - ४

(परीक्षार्थीले सकेसम्म आफ्नै शैलीमा उत्तर लेख्नुपर्ने छ । दायाँ किनारामा दिइएका अङ्कले पूर्णाङ्कलाई जनाउँदछ ।)

समूह क

तलका प्रश्नहरूको धेरै छोटो उत्तर दिनुहोस् ।

११ × १ = ११

- सामाजिक अध्ययनमा किन सामाजिक विज्ञानका विभिन्न विषयहरूलाई एकीकृत रूपमा समावेश गरिएको होला ? कारण दिनुहोस् ।
- अर्थपूर्ण ढङ्गले जीवनयापन गर्न आवश्यक पर्ने विभिन्न सिपहरूमध्ये कुनै दुई नरम सिपको उदाहरण दिनुहोस् ।
- इन्टरनेटमा उपलब्ध सूचनाहरूमध्ये सबैभन्दा विश्वसनीय सूचना कुन url मा प्राप्त गर्न सकिन्छ ?
- डिजिटल साक्षरताको कुनै एक उदाहरण दिनुहोस् ।
- विश्लेषणात्मक इतिहास लेखन प्रवृत्तिको विशेषता लेख्नुहोस् ।
- पौराणिक कालमा हिन्दु परम्पराअनुसार किन जात प्रथालाई अनुसरण गरियो ? एक वाक्यमा लेख्नुहोस् ।
- वर्तमान नेपालको संविधानलाई किन नेपालको इतिहासमा सबैभन्दा बढी लोकतान्त्रिक र प्रगतिशील मानिन्छ ? एक कारण दिनुहोस् ।

८. जनसङ्ख्या व्यवस्थापनको महत्त्व लेख्नुहोस् ।
९. जनसाङ्ख्यिक लाभांशको उपयोगका लागि अवलम्बन गर्न सकिने कुनै एक उपाय लेख्नुहोस् ।
१०. नेपालको अर्थतन्त्रमा सहकारी क्षेत्रको भूमिकालाई एक वाक्यमा लेख्नुहोस् ।
११. नेपालमा गुणस्तरीय स्वास्थ्य सेवाको पहुँच वृद्धि गर्न स्थानीय सरकारले खेल्न सक्ने कुनै एक भूमिका लेख्नुहोस् ।

समूह ख

तलका प्रश्नहरूको छोटो उत्तर दिनुहोस् ।

८ × ५ = ४०

१२. सञ्चार एवम् डिजिटल एप्लिकेसनहरूको व्यावहारिक प्रयोग गर्न अपनाउनुपर्ने उपायहरू समेटी भाइलाई पत्र लेख्नुहोस् ।

अथवा

डिजिटल साक्षरताका आधारभूत सिपहरू दैनिक तथा व्यावसायिक जीवनमा प्रयोग गर्न अपनाउनुपर्ने उपायहरू समेटी बहिनीलाई पत्र लेख्नुहोस् ।

१३. होमो इरेक्टस र होमो ह्याबिलिसबिच पाँच बुँदामा भिन्नता देखाउनुहोस् ।
१४. मानव र वातावरणबिचको सम्बन्ध शीर्षकमा एक लेख तयार पार्नुहोस् ।
१५. औद्योगिक क्रान्तिको परिचय दिई यसका कारण र प्रभाव लेख्नुहोस् ।
१६. बहुसांस्कृतिकता र सामाजिक एकता शीर्षकमा सम्पादकीय तयार पार्नुहोस् ।
१७. नेपाल आधिराज्यको संविधान २०४७ को प्रस्तावनाको आलोचनात्मक टिप्पणी गर्नुहोस् ।
१८. “बस्तीहरूको प्रकृतिअनुसार सामाजिक सेवाबिचको तालमेल रहेको हुन्छ ।” यस भनाइलाई पुष्टि गर्नुहोस् ।
१९. तपाईंको समुदायमा अभ्यासमा आएका कुनै दुई परम्परागत स्वास्थ्य सेवा पद्धतिको व्याख्या गर्नुहोस् ।

अथवा

स्वस्थ जीवनशैली यापनका निम्ति अवलम्बन गर्नुपर्ने कुनै पाँच उपाय लेख्नुहोस् ।

समूह ग

तलका प्रश्नहरूको लामो उत्तर दिनुहोस् ।

३ × ८ = २४

२०. अन्तरवैयक्तिक सिप विकासका उपायहरू उल्लेख गरी असल नेतृत्वका लागि अन्तरवैयक्तिक सम्बन्ध व्यवस्थापन कसरी गर्न सकिन्छ ? उदाहरणसहित लेख्नुहोस् ।
२१. भौगोलिक विविधताले समाजमा पार्ने असरहरूका सम्बन्धमा उदाहरणसहित प्रस्तुत गर्नुहोस् ।

अथवा

नेपालका पर्यावरणीय क्षेत्रका विविध आयाम र तिनका विशेषताहरू छोटकरीमा व्याख्या गर्नुहोस् ।

२२. कृषि, उद्योग, निर्माण र सामाजिक क्षेत्रले नेपाली अर्थतन्त्रमा पारेको प्रभाव विश्लेषण गर्नुहोस् ।

समाप्त

Subject: Accounting (Sub. Code: 1031)**Grade: XI****F.M.:75****Set- I**

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group-A**Very short answer questions****Attempt All Questions.****[1×11=11]**

1. What is accounting?
2. Write about the cost principle.
3. Define accounting ethics.
4. Write any two objectives of trial balance.
5. List out any two causes of dishonor of cheque.
6. Write about error of omission.
7. What is reserve?
8. Write any one difference between capital profit and revenue profit.
9. State any two objectives of Government Accounting.
10. Prepare journal entry of paid 'salary due to Rabindra' Rs.25,000.
11. What is treasury single account.

Group-B**Short answer questions****Attempt All Questions.****[8×5 =40]**

12. A) Define Accounting Standards with two objectives.

[3]**B) Following transactions are provided to you**

- a. Started business with cash Rs. 200,000 and laptop Rs. 50,000.
- b. Purchased goods of Rs.20,000 from Sagar.
- c. Paid rent Rs. 10,000.
- d. Sold goods for Rs. 30,000 to Gita and received Rs. 15,000 partially.

Required: Accounting equation.**[2]****Ans: Assets: Rs.260,000, Capital: Rs. 240,000, Liabilities: Rs.20,000**

13. A) The following transactions are provided to you.

Magh 01: Started business with cash Rs. 250,000 and bank balance Rs. 150,000.

Magh 05: Deposited cash into bank Rs. 50,000.

Magh 10: Paid wages through cheque Rs 25,000.

March 25: Received Rs. 18,000 from Diwakar after deducting 10% discount.

Required: Double column cash book with cash and bank column**[3]****Ans: Cash : Rs. 218,000 (Dr.), Bank: Rs. 175,000 (Dr.)**

B) Following purchases return related transactions are given:

Baisakh 10: Return to Bimal Stationary of Birtamode.

2 dozen of note-books @ Rs.50 per piece.

20 pieces of pen @ Rs 25 each.

(10% trade discount)

Required: (a) Purchase return book (b) Purchase return account [1+1=2]**Ans: Rs. 1,530****14. Mr. Nabin provides you the following particulars:**a. Balance as per bank statement Rs.70,000 on 31st December 2024.

b. Cheque issued to bank Rs.10,000 but not presented for payment.

c. Cheque of Rs. 48,000 paid into bank but not collected and credited in pass book.

d. Bank charge of Rs.2,000 debited by the bank.

e. A customer directly deposited into bank Rs.14,000.

f. Electricity bill of Rs.1,500 and insurance premium Rs.5,500 paid by bank as per instruction

Required: Bank reconciliation statement**[5]****Ans: Ans. Rs.103,000****15. A) Rectify the following errors which were located after preparing the trial balance:****[3]**

a. Purchased computer of Rs.40,000 has been wrongly recorded as purchase account.

b. Paid Rs 10,000 to Munendra has been wrongly recorded as Rs 1,000 in books.

c. A credit sale of goods of Rs 5,000 to Harendra has been wrongly posted in credit side of his account.

B) Following transactions are given

a. Opening balance of provision for doubtful debt account Rs 5,000

b. Bad debts written off Rs 3,000

c. Closing balance of trade debtors Rs 70,000

d. Provision for doubtful debt to be maintained @10%

Required: Provision for doubtful debt account.**[2]****Ans: Estimated bad debt expenses: Rs. 5,000****OR****An unadjusted trial balance of a company is given below.**

Particulars	Debit (Rs)	Credit (Rs)
Capital		180,000
Bank loan		120,000
Sales		100,000
Machinery	130,000	
Account receivable	25,000	
Cash balance	50,000	
Prepaid insurance	30,000	
Salary	97,000	
Purchase	68,000	
Total	400,000	400,000

Additional information:

- Depreciation to be charged @10% on machinery.
- Make a provision for doubtful debt@5%
- Prepaid insurance of Rs 5,000 was expired.
- Outstanding salary Rs 3,000

Required: Adjusted trial balance

[5]
Ans: Adjusted TB: Rs. 403,000
16. Transaction relating to machinery are given

Baisakh 1, 2078: Purchased a furniture of Rs.80,000 and paid Rs.10,000 each for transportation and installation cost.

Kartik 1, 2079: Another furniture was purchased for Rs.50,000.

Poush 30,2080: The first machine which was purchased on Baisakh 1, 2078 was sold for Rs.60,000.

The company charged depreciation @10% on equal instalment method.

Accounts are closed on 31st Chaitra each year.

Required: Machinery account for first three years

[1+2+2=5]
Balance: Rs.42,500, Loss on sale: Rs. 12,500
17. Given below is the Trial Balance of a trader as on Chaitra 31, 2078.

Particulars	Amount	Particulars	Amount
Opening stock	25,000	Capital	50,000
Debtors	15,000	Sales	160,000
Purchases	45,000	Creditors	23,000
Salaries	8,500	Interest received	25,000
Wages	15,000	Commission	20,000
Rent	10,000	Bank loan	24,500
General expenses	25,600		
Cash in hand	23,400		
Land and Building	55,000		
Carriage inward	5,000		
Machinery	55,000		
Office expenses	20,000		
	302,500		302,500

Required: a) Trading A/C

b) Profit and Loss A/C

[2+5=5]
Ans: Gross profit Rs.70,000, Net profit Rs.50,900
18. The followings are the balance sheet of last year and receipt and payment account of current year of Youth Club.
Balance sheet as on Chaitra 31, 2079

Liabilities	Amount (Rs.)	Assets	Amount (Rs.)
Capital fund	300,000	Land and building	230,000
Bank loan	40,000	Subscription outstanding	20,000
Advance subscription	10,000	Furniture	50,000
		Bank balance	50,000
	350,000		350,000

Receipt and Payment Account
For the year ended on Chaitra 31, 2080

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
To Balance b/d	50,000	By Wages and salaries	20,000
To Subscription		By Investment	100,000
2079	20000	By Rent	50,000
2080	150,000	By Balance c/d	100,000
2081	30,000		
To Donation	20,000		
	<u>270,000</u>		<u>170,000</u>

Additional information:

- a. Subscription outstanding of Rs. 20,000
- b. Rent outstanding Rs.10,000.

Required: a) Income and expenditure account
 b) Balance sheet

[3+2=5]

Ans: Surplus Rs.120,000 B/S Rs.500,000

- 19. A) Miss Sugari started a small business on Baishakh 1, 2080 with a capital of Rs. 250,000. Her position at the end of the year 2080 was as under:**

Inventory	Rs.150,000	Creditors	Rs. 20,000
Cast at bank	50,000	Plant and machinery	150,000

She has withdrawn Rs. 30,000 for her private use during the year.

Required:

- a. Statement of affairs showing closing capital. [1]
- b. Statement of profit and loss. [1]

Ans: Closing capital: Rs. 330,000, Profit: Rs. 110,000

- B) Following is the transaction of District Education office, Ilam.**

Magh 3: Purchased a furniture for Rs 50,000 and issued a payment order to the District Treasury Controller Office for making payment

Magh 17: Mr. Thapa's computer advance was cleared after depositing excess amount of Rs 6,000 into the bank against the bill of Rs 56,000 submitted by him.

Magh 28: Out of total employees remuneration for the month of Rs 440,000, Rs 80,000 of provident fund (including government contribution), Rs 20,000 for citizen investment trust and Rs.4,000 for social security tax were deducted and issued payment order for rest.

Required: Journal voucher

[1+1+1=3]

Group-C

Long answer questions

Attempt All Questions.

(3 x 8 = 24)

20. You are given the following transactions of SWSC Company Limited.

- 2024-01-01 Started business with cash Rs.150,000 and bank Rs.120,000.
 2024-01-05 Purchased goods of Rs.50,000 for cash.
 2024-01-08 Sold goods of Rs.70,000 and paid through cheque.
 2024-01-14 Withdrawn cash from bank for office use Rs.40,000.
 2022-01-14 Paid Rs 28,000 to Ram in full settlement of his account.

Required: a. Journal entries b. Necessary ledger accounts c. Trial balance

[2+5+1=8]

Ans: T/B total = 340,000

21. The trial Balance of Gulsan Store as on 31st Ashad 2080 is given below.

Particular	Debit (Rs)	Credit (Rs)
Sales		500,000
Capital		200,000
Purchase	310,000	
Freight inward	5,000	
Wages	20,000	
Debtors	140,000	
Creditors		60,000
Commission		100,000
10% Bank loan		140,000
Interest on loan	10,000	
Advertisement	30,000	
Machinery	260,000	
Rent	75,000	
Opening stock	80,000	
Prepaid insurance	20,000	
Salaries	30,000	
Cash	20,000	
Total	900,000	900,000

Additional information

- a. Closing stock Rs 50,000
 b. Outstanding wages Rs 10,000
 c. Depreciate machinery by 10%
 d. Prepaid insurance was expired to the extent of Rs.15,000.

Required: a) Income statement based on NFRS b) Balance sheet based on NFRS [4+4=8]

Ans: NP 35,000 B/S 449,000

22. A) Following transaction took place during the month of Baisakh of the current year in District Health Office, Baitadi.

Baisakh 1 Issued a payment order to DTCO to give advance of Rs 15,000 to section officer Mr Bhattarai for the purchase of stationary.

Baisakh 2 Advance payment made for the purchase of stationary recorded as budget release

Baisakh 10 Received machinery Ministry of Health of Rs 200,000 and recorded as budget release

Baisakh 14 Issued a payment order of Rs 50,000 for the purchase of computer and recorded as budget release

Required: Journal Voucher. [4]

- B) Trial Balance of a limited company as on Ashadh 31, 2080 is given below.

Particulars	Debit (Rs)	Credit (Rs)
Equipment	200,000	
Wages	30,000	
Opening inventory	80,000	
Debtors	50,000	
Purchases	300,000	
Salary	110,000	
Stationary	10,000	
Audit fees	20,000	
Capital		100,000
Sales		620,000
Creditors		40,000
Commission received		40,000
Total	800,000	800,000

Additional information:

- Depreciate the equipment by 10%
- Salary outstanding Rs 10,000.
- Closing stock Rs.100,000.
- Income tax rate is 25%.

Required: Multi-step income statement.

[4]

Ans: NPAT: Rs.135,000

Set- II

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group-A**Very short answer questions****Attempt All Questions****[11x 1=11]**

1. Define duality principle.
2. Define Nepal Financial Reporting Standards
3. What is contra entry?
4. List out the objectives of preparing ledger.
5. What is adjusting entry?
6. Define compensating error with example.
7. What is provision?
8. Define revenue profit with examples.
9. What is central level accounting?
10. State any two features of Treasury Single Account.
11. Mention the different types of journal voucher.

Group-B**Short answer questions****Attempt All Questions.****[8×5=40]**

12. A. **Explain the various business activities in short.** [3]
B. **Prepare accounting equation from the following transactions:** [2]
 - a) Commenced business with cash Rs.200,000.
 - b) Purchased goods for Rs.20,000 from Ganesh.
 - c) Paid wages of Rs.10,000 by cheque.
 - d) Deposited cash into the bank Rs.30,000.

Ans: Assets:210,000, Capital:190,000, Liabilities :20,000

13. A. **Following transactions are given:**

Falgun 1: Balance of cash Rs.160,000 and bank balance (Cr) Rs. 1,00,000

Falgun 5: Received a cheque of Rs. 40,000 from Kabir in full settlement of Rs. 45,000

Falgun 10: Deposited cash into bank Rs.80,000.

Falgun 25: Received commission Rs. 8,000.

Required: Triple column cash book with cash and bank column. [3]

Ans: Cash Balance: Rs.88000 Bank Balance: 20,000

- B. **Following transactions of Surya Furniture are given:**

Kartik 1 : Returned from Prasin

- 20 benches @ Rs.2,500 each.
- 5 chairs @ Rs.800 each.

Kartik 10 : Returned from Gita Traders

- 20 tea tables @ Rs. 3,000 per table

- 3 sofa sets @ Rs. 15,000 per set

Required: Sales Return Book

[2]

Ans: Rs. 159,000

14. Following information are extracted from the books of Global Company:

- On Chaitra 30, 2080, Company book showed overdraft balance of Rs.80,000 and bank statement showed overdraft of Rs.70,000.
- Cheque deposited into the bank but not yet collected Rs.40,000.
- Debit EFT Rs.20,000.
- Credit EFT Rs.40,000
- Outstanding cheque Rs.10,000.
- Customer directly deposited into the bank Rs.20,000.

Required: Bank reconciliation statement to determine adjusted bank balance [5]

Ans: Adjusted Overdraft Balance Rs.40,000

15. A. The following errors were located before preparing trial balance.

- Purchased machinery worth Rs. 50,000 from Ram was recorded as sales of machinery.
- Paid salary to Ramesh Rs. 20,000 was debited to Ram.
- Received commission Rs. 10,000 was posted Rs.20,000 in commission account.

Required: Entries for rectification.

[3]

B. The following information is given to you:

Particulars	Debit (Rs.)	Credit (Rs.)
Sundry debtors	100,000	
Provision for doubtful debts		15,000

Adjustments:

- Bad debts to be written off Rs.10,000
- A provision for doubtful debts to be created @10% on sundry debtors.

Required: Provision for doubtful debts account.

[2]

Ans: Estimated Bad Debt Expenses Rs.4,000

OR

An unadjusted trial balance of Sindhuli Company is as given below:

Particulars	Dr. (Rs.)	Cr. (Rs.)
Capital	--	150,000
Sales	--	200,000
Purchases	125,000	--
Prepaid wages	25,000	--
Government bond	65,000	--
Salaries	15,000	--
Bills receivable	50,000	--
Bank overdraft	--	50,000
Insurance	40,000	--

Fixed assets	30,000	--
Bank balance	50,000	--
Total	400,000	400,000

Adjustments:

- (a) Depreciation on fixed assets to be provided @ 10%
- (b) Prepaid wages was expired Rs.10,000
- (c) Provision for bad and doubtful debt @ 5%
- (d) Salaries to be paid Rs. 3,000

Required: Adjusted trial balance.

[5]

Ans: Total of Adjusted Trial Balance: Rs.403,000

16. Nabil Company purchased a furniture on January 1, 2019 for Rs.100,000 and spent Rs.10,000 each for its installation and transportation. The life of the machine was expected to be 5 years with estimated salvage value of Rs.20,000. It also purchased another furniture of Rs.75,000 on 1st January 2020 having a life of 5 years. On 31st December 2020 the company sold the first machine at Rs.72,500. The company closes its account on 31st December every year.

Required: Furniture account for the two years under Straight Line Method

Ans: Loss on sale: Rs.5,000 Balance Rs.60,000

17. The following list of accounts is taken from the records of Khaptad Traders, at Chaitra 31,2080.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
Accounts payable	20,000	Accounts receivable	10,000
Short term loan	50,000	Government Bond	100,000
Cash	2,000	Equipment	50,000
Land	200,000	Bank loan	150,000
Marketable securities	4,000	Underwriting Commission	3,000
Salaries payable	5,000	Share Capital	145,000
Goodwill	1,000		

Required: Classified Balance sheet

Ans: Rs.370,000

18. The Youth Club, Budhanilkantha provides you the following information:

Balance Sheet
As on 31st Chaitra 2079

Liabilities	Amount (Rs.)	Assets	Amount (Rs.)
Capital fund	2,00,000	Furniture	200,000
Subscription	10,000	Subscription due	6,000
Outstanding wages	30,000	Cash and bank	34,000
	<u>240,000</u>		<u>1,20,000</u>

Receipt and Payment Account
For the year ended on 31st Chaitra, 2080

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
To Balance b/d	34,000	By Wages and salaries	40,000
To Subscription		By Rent	50,000
For 2079 6,000		By Furniture	20,000
For 2080 <u>40,000</u>	46,000	By Balance c/d	30,000
To Entrance fees	40,000		
To Rent income	20,000		
	<u>140,000</u>		<u>140,000</u>

Additional information:

- Subscription outstanding Rs.20,000
- Depreciation on furniture at 10% p.a.

Required: a) Income and expenditure account b) Balance sheet [3+2 = 5]

Ans: Surplus : Rs.48,000 B/S : Rs.248,000

19. A. A trader started a business with cash Rs. 140,000 on 1st Baisakh 2080. He maintains his books of account under single entry system. He introduced additional capital in the business Rs. 40,000. He withdrew Rs. 3,000 per month. His position at the end of the year 31st Chaitra, 2080 was:

Cash	Rs. 50,000	Furniture	Rs.2,50,000
Stock in trade	Rs. 30,000	Creditors	Rs. 35,000
10% Bank loan	Rs. 50,000		

Additional information:

- Interest due on bank loan for six months.
- Depreciation on furniture 10% p.a.

Required: a) Closing statement of affair [1]

b) Statement of profit and loss [1]

Ans: Closing Capital : Rs.217,500 Net Profit: Rs.73,500

B. Following transaction of District Education Office, Kathmandu are given to you.

Shrawan 2 Issued a payment order to DTCO of Rs.50,000 for the purchase of furniture.

Shrawan 30 Issued a payment order to DTCO for the distribution of employee remuneration and local allowance after deducting the provident fund of Rs.16,000, social security tax of Rs.800 and income tax of Rs.2,000 out of the total remuneration of Rs.88,000 and local allowance Rs.8,000.

Shrawan 31 Recorded as budget release for all above expenditures.

Required: Journal voucher

[3]

Group-C

Long answer questions

Attempt All Questions

[3×8=24]

20. Following transactions are given to you:

- April 1 Invested cash of Rs.100,000 in the business.
- April 5 Deposited cash into the bank Rs.40,000.
- April 7 Purchased machinery worth Rs.20,000 on credit.
- April 10 Withdrawn cash from the bank Rs.25,000 for office use.
- April 20 Paid Rs.18,000 to the creditors in full settlement.

Required:

- a) Journal entries b) Necessary ledger accounts c) Trial balance **[2+5+1=8]**

Ans: Trial Balance Total: Rs.102,000

21. The following is the trial balance of Srinagar Trading Concern on Chaitra 31, 2080:

Particulars	Amount (Rs.)	Amount (Rs.)
Opening stock	100,000	-
Returns	10,000	5,000
Cash at bank	50,000	-
Furniture	100,000	-
Land and building	210,000	-
10% investment	300,000	-
Sundry debtors	100,000	-
Purchases	200,000	-
Prepaid insurance	50,000	-
Rent and insurance	30,000	-
Interest on loan	6,000	-
Discount	4,000	7,500
Capital	-	500,000
Accounts payable	-	137,500
Dividend received	-	10,000
Sales revenue	-	400,000
10% Bank loan	-	100,000
Total	1160,000	11,60,000

Additional information:

- Ending inventory Rs.90,000.
- Prepaid insurance expired Rs.2,000
- Outstanding interest on loan Rs.4,000
- Depreciate furniture by 10%
- Bad debt Rs.10,000 and provision for bad debt @10%

Required: a) Trading account b) profit and loss account c) Balance sheet

[2+3+3=8]

Ans: GP:Rs.185,000 NP:Rs.157,500 B/S:Rs.899,000

22. Ramesh Company purchased 3 computers of Rs.50,000 each on 1st Magh 2077. It also purchased another computer for Rs.75,000 and spent Rs.15,000 for the installation on 1st Baisakh 2078. The company sold one computer purchased on 2077 at Rs.42,500 on Asoj 30, 2079 and purchased a new computer of Rs.100,000 on the same date. The accounts are closed on Chaita 30th every year

Required: Computer Account for first three years at the rate of depreciation 10% under diminishing balance method

[2+2+4=8]

Ans: Gain on sale Rs.818.75, Balance Rs.246,875

Set- III

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group-A

Very short answer questions

Attempt All Questions.

[11x 1=11]

1. Write any two objectives of accounting.
2. Define matching principle.
3. Write the meaning of double entry book keeping system.
4. What is journal proper?
5. Write any two objectives of provisions.
6. Define capital expenditure with example.
7. Write the parties involved in a cheque.
8. What is bank cash book?
9. Define new government accounting system.
10. What is the journal entry of 'Commission received from Ram Rs.20,000'?
11. Calculate the amount of return goods from debtors if following goods were returned:
 - 30 dozens of copies @ Rs. 500 per dozen
 - 10 dozens of pens @ Rs. 20 per piece

Ans: Total: Rs. 17,400

Group-B

Short answer questions

Attempt All Questions.

[8x5=40]

12. A) Following transactions are given:

- a. Started business with cash Rs. 1,00,000 and furniture Rs. 50,000.
- b. Purchased goods worth of Rs. 75,000 on credit.
- c. Paid wages: Rs. 10,000
- d. Sold goods costing Rs. 20,000 for Rs. 25,000

Required: Accounting equation

[2]

Ans: Assets: Rs.220,000; Capital: Rs.145,000, Liabilities: Rs. 75,000

- B) Explain any three objectives of book keeping.

[3]

13. A) The following transactions are given to you:

5-1 Started business with bank of Rs. 300,000.

5-4 Cash deposited into bank Rs. 50,000

Required: a. Journal entries

[1]

b. Bank account and capital account

[1+1=2]

Ans: Bank a/c.: Rs. 350,000Dr

B) Following transactions of Nandita Furniture are given:

Falgun 5 : Purchase goods on credit from Rakesh Kathmandu:

100 Table fans @ Rs. 1,000 each

200 ceiling fans @ Rs. 1,200 each

Falgun 10 : Purchase goods on credit from Rajesh of Bhaktapur:

400 Ceiling fans @ Rs. 1,700 each

300 Table @ Rs. 1,400 each

Less: Trade discount @ 10%.

Required: Purchase book

[2]

Ans: Total: Rs. 13,30,000

14. Following information are given:

a. On Ashadh 31, cash book of an Company showed a overdraft balance of Rs. 25,000

b. A cheque of Rs.12,000 deposited on Ashadh 25, has yet not been credited by bank

c. Out of the cheque issued for Rs.14,000 on Ashadh 23, only cheque of Rs.10,500 has been presented for payment.

d. A customer has directly deposited Rs. 5,000 into bank but not recorded in cash book.

e. Bank charge of Rs.150 debited only in pass book

f. Interest on investment of Rs.250 credited only in pass book.

Required: Bank reconciliation statement

[5]

Ans: Overdraft as per pass book (Rs. 28,400)

15. A) The trial balance of Aannapurna Company Ltd. as on Ashadh 31, 2081 is given below:

Particulars	Debit (Rs.)	Credit (Rs.)
Cash at bank	40,000	
Purchase	80,000	
Accounts payable		80,000
Machinery	200,000	
Capital		120,000
Debtors	36,000	
Salary	24,000	
Sales		180,000
Total	3,80,000	3,80,000

Additional information:

- a. Depreciation on machinery at 10%
- b. Outstanding salary of Rs.6,000.

Required: Adjusted trial balance**[3]****Ans: Adjusted trial balance total: 386,000****Or,****Following cash and banking transactions are given to you:**

- Chaitra 1 : Cash in hand Rs. 50,000, Cash at Bank Rs. 60,000.
 Chaitra 5 : Sold goods for Cash Rs. 30,000
 Chaitra 8 : Deposited cash into Bank Rs. 15,000.
 Chaitra 10 : Purchased goods worth Rs. 15,000 and paid Rs. 10,000 in cash and balance through cheque.

Required: Cash Book with cash and bank column**[3]****Ans: Cash: Rs. 55,000, Bank: Rs.70,000****B) Following is the extract of trial balance as on 31st December, 2024.**

Particulars	Debit (Rs.)	Credit (Rs.)
Accounts receivable	105,000	-
Allowance for doubtful debt	-	8,000

Additional information

- Bad debt written off Rs. 5,000.
- Maintain allowance for doubtful debt at 10%.

Required: Allowance for bad debt account**[2]****Ans: Estimated bad debt exp.: Rs.7,000****Or,****The following errors were detected after preparing trial balance.**

- a. Salary paid to Mohan Rs.25,000 was debited to personal account.
- b. Wages paid for installation of computer Rs. 10,000 was debited to wages a/c.

Required: Entries for rectification.**[2]**

16. STC Ltd. purchased a machine on 1st Baishakh, 2077 for Rs. 250,000. A new machine costing Rs. 100,000 was bought on 1st Kartik, 2077. On 1st Kartik 2078 the company decided to sell machine purchased on 1st Baishakh, 2077 for Rs. 165,000 and on the same date a new machine was purchased for Rs. 200,000. Depreciation is to be charged @ 10% p.a. under diminishing balance method. The company closed the account at the end of Chaitra every year.

Required: Machinery account for the first 3 years.**[2+2+1=5]****Ans: Loss: Rs.48,750, Balance: Rs.247,950**

17. The following is the trial balance of Janaki Company for the year ended Ashadh, 2081.

Particulars	Dr. (Rs.)	Particulars	Cr (Rs.)
Machinery	75,000	Capital	300,000
Bank balance	225,000	Gross profit	260,000
Closing stock	140,000	Loan	80,000
Debtors	60,000	Creditors	35,000
Salaries	85,000		
Rent	60,000		
Interest on loan	5,000		
Commission	25,000		
Total	675,000	Total	675,000

Additional information:

- Depreciation on machinery at 10%.
- Interest due on loan Rs.3,000

Required: a. Profit and loss a/c b. Balance sheet

[3+2=5]

Ans: NP: Rs. 74,500, B/S total: Rs.492,500

18. The followings are the balance sheet of last year and receipt and payment account of current year of Youth Club.

Balance Sheet

As on Chaitra 31, 2079

Liabilities	Amount (Rs.)	Assets	Amount (Rs.)
Capital fund	86,000	Equipments	61,000
Creditors	4,000	Furniture	20,000
		Subscription receivable.	2,000
		Cash balance	7,000
	90,000		9,000

Receipt and Payment Account

For the year ended on Chaitra 31, 2080

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
To Opening balance	7,000	By Salary	24,000
To Subscription	30,000	By Printing and stationary	5,000
To Donation	20,000	By Sundry expenses	8,000
To Sale of old paper	1,000	By Furniture	5,000
		By Balance c/d	16,000
	58,000		58,000

Additional information:

- Subscription outstanding of Rs. 3,000

Required: a) Income and expenditure account

[3]

b) Balance sheet

[2]

Ans: Surplus: Rs. 15,000, B/S total: Rs.105,000

19. A) Mr. Sonam started a small business on Baishakh 1, 2080 with a capital of Rs. 400,000. His position at the end of the year 2080 was as under:

Stock Rs. 40,000 Creditors Rs. 20,000

Cast at bank 100,000 Land and building 325,000

He has withdrawn Rs. 25,000 for her private use during the year.

Required: a) Statement of affairs showing closing capital. [1]

b) Statement of profit and loss [1]

Ans: Closing capital: Rs. 445,000, Profit: Rs. 70,000

- B) The following transactions of District Education Office, Birgunj are given.

a. On Jestha 12, 2081, Issued a payment order statement to DTCO to pay telephone bill of Rs.2,500.

b. On Jestha 25, 2081, Issued a payment order statement to DTCO to pay to Mr. Shrestha Rs.20,000 for the purchase of computer as an advance.

c. On Jestha 26, 2081, Recorded as budget release for the payment of above expenses on Jestha 12 and 25.

Required: Journal voucher [3]

Group-C

Long answer questions

Attempt All Questions

[3×8=24]

19. Following transactions are given to you:

10-1 Started a new business with cash Rs.90,000 and bank balance Rs.160,000.

10-5 Deposited cash of Rs. 30,000 into the bank.

10-7 Purchased goods of Rs.20,000.

10-10 Withdrawn cash of Rs. 10,000 from the bank for personal use.

Required: a) Journal entries [2]

b) Necessary ledger accounts [4]

c) Trial balance [2]

Ans: Cash: Rs. 60,000, Bank: Rs. 395,000, Capital: Rs. 500,000, Purchase: Rs.40,000, Drawing: Rs. 5,000

20. The Trial Balance of Pokhara Traders as of December 31, 2024 is given below:

Particulars	Debit (Rs.)	Credit (Rs.)
Capital		400,000
Sales revenue		875,000
Bank Loan		350,000
Account payable		50,000
Cash in hand	190,000	

Debtors	110,000	
Fixed assets	500,000	
Administrative expenses	150,000	
Salaries	100,000	
Selling expenses	50,000	
Purchase	525,000	
Wages	50,000	
Total	1675000	1675000

Additional information

- Provide depreciation @ 10% p.a. on fixed assets
- Salaries payable Rs. 10,000
- Closing stock Rs 125,000
- Corporate tax @ 25%

Required: a) Multi-step income statement b) Balance sheet [4+4= 8]

Ans: G.P: Rs.425,000, NPBT: Rs. 65,000, Income tax exp.: Rs.16,250, NPAT: Rs.48,750, B/S total: Rs. 875,000

Or

What is government accounting? Differentiate between government accounting and commercial accounting. [3+5=8]

- 22. A)** The following information is available for Max Company on August 31, 2024

Balance per company records Rs. 8,265

Un-deposited cheque Rs. 1,030

Bank services charge Rs. 85

Outstanding cheques Rs. 3,900

Bill receivable collected by bank but not recorded on the books Rs. 1,000

Interest on the preceding bill is recorded on company Rs. 50

Bank statement balance Rs. 12,100

Required: Compute the cash balance to be reported on Max Company's August 31 balance sheet. [5]

Ans: Adjusted balance as per book Rs 9,230

- B)** What are the tools of modern banking system? Explain any two.[3]

Set- IV

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group-A

Very short answer questions

Attempt All Questions

(11x 1=11)

1. What are the different steps in accounting cycle?
2. What are the different business activities?
3. What is GAAP?
4. What is debit note?
5. Mention any two sources of accounting information.
6. Write any two tools of modern banking system.
7. Mention any two reasons of maintaining general reserve.
8. What is Treasury Single Account (TSA)?
9. What are the different parts of budget sheet?
10. Mention any two features of New Government Accounting System.
11. Pass the adjusting entry of *Prepaid salary Rs. 5,000 was expired.*

Group - B

Short Answer Questions

Attempt All Questions.

[8×5=40]

12. A) Explain any three professional ethics in accounting.

[3]

B) Following transactions are given:

- a. Commenced business with bank balance Rs.500,000.
- b. Purchased goods on account Rs.200,000.
- c. Sold goods for Rs. 50,000 and payment received through cheque
- d. Paid rent Rs. 25,000 to the landlord

Required: Accounting equation.

[2]

Ans: Assets: Rs. 675,000, Capital: Rs. 475,000, Liabilities: Rs. 200,000

13. A) The following transactions are given to you:

- | | |
|-------------|---|
| Jan-01-2024 | Beginning balance of cash and bank overdraft Rs. 100,000 and Rs. 25,000 respectively. |
| Jan-05-2024 | Sold goods for Rs. 75,000 and received cash Rs 50,000 and balance through cheque. |
| Jan-10-2024 | Deposited cash into the bank Rs. 40,000 |
| Jan-15-2024 | Paid Rs. 47,500 to Balen after deducting 5% discount |

Required: Triple column cash book

[3]

Ans: Cash balance Rs. 62,500, Bank balance Rs. 40000, Discount Rs. 2500

- B) The following transactions of Dillibazar Light House are provided to you:

- | | |
|-------------|--|
| Feb-10-2024 | Purchased from Diyalo Light House, Birjung
50 Tube light @ Rs. 100 each
10 Bulbs @ Rs. 50 each |
|-------------|--|

(Less: 10% Trade discount)
Feb-20-2024 Purchased from Sun Moon Lighting Center,
Mahabauddha by cheque
15 Electric Heater @ Rs. 1000 each
20 Ceiling Fans @ Rs. 2000 each

Required: Purchase book

[2]

Ans: Purchase book: total Rs. 4,950

14. The bank statement of a company showed a balance of Rs. 50,000 on Poush 28, 2081. However, the company account showed a different balance of Rs. 75,000. On the investigations, the following differences were noticed.

- b) Company issued a cheque of Rs. 10,000 but during Poush only the cheque of Rs. 5,000 was cashed.
- c) Deposit in transit Rs. 15,000
- d) EFT payments Rs. 5,000 for internet bill.
- e) Customer's cheque of Rs. 20,000 was returned with the bank statement marked as NSF.
- f) Bills receivable of Rs. 8,000 and interest of Rs. 2,000 collected and credited by the bank.

Required: Bank reconciliation statement to report the correct bank balance in balance sheet [5]

Ans: Adjusted bank balance as per cash and pass book: Rs. 60,000

15. The trial balance of Manakamana Company Ltd. as on Ashadh 31, 2081 is given below:

Particulars	Amount (Rs.)	Amount (Rs.)
Capital	-	200,000
Sales revenue	-	350,000
Bank loan	-	125,000
Unearned commission		50,000
Accounts payable	-	25,000
Cash in hand	70,000	-
Accounts receivable	50,000	-
Machinery	350,000	-
Salary	100,000	-
Purchase	150,000	-
Carriage inward	30,000	
Total	750,000	750,000

Additional information:

- i. Depreciate machinery by 10%.
- ii. Salary due Rs.10,000.
- iii. Unearned commission of Rs. 5,000 was earned
- iv. Closing stock Rs.50,000.

Required: Adjusted trial balance**[5]****Ans: Adjusted trial balance: Rs. 810,000****OR****A) Following is the extract of trial balance as on 31st December 2024**

Particulars	Debit Rs.	Credit Rs.
Accounts receivable	110,000	
Provision for bad debt		30,000

Additional Information

- Further bad debt of Rs. 10,000.
- Make a provision for bad debt @10% on debtors.

Required: Provision for bad debt account**[2]****Ans: Reserve of debt expenses: Rs. 10,000****B) Rectify the following errors which were located after preparing of trial balance.****[3]**

- Wages paid Rs. 10,000 for the repairing of machinery was debited to the wage a/c
- Commission received Rs. 5,000 was recorded as commission paid.
- Purchase book was over recorded by Rs. 500

16. The transaction related to the machinery are given:

ABC company purchased a furniture of Rs. 100,000 on 1st Baisakh, 2078. On 1st Kartik, 2078 it also purchased another furniture of Rs. 200,000. On 1st Magh, 2079, the company sold the furniture purchased on 1st Kartik, 2078 for Rs. 160,000 and purchased another new furniture of Rs. 300,000 on the same date. Accounts are closed on 31st Chaitra each year. The company charges depreciation at the rate of 10% p.a. on fixed instalment method.

Required: Furniture account for the first three years.**[2+2+1=5]****Ans: Loss on sale of machine Rs. 15,000, Balance b/d 332500****17. The following is the trial balance of Makalu Trading Concern for the year ended Chaitra 31, 2080**

Particulars	Debit (Rs.)	Credit (Rs.)
Bad debt	5,000	
Computer	300,000	
Furniture	80,000	
Insurance	10,000	
Land	350,000	
Machinery	150,000	
Printing and stationary	25,000	
Prepare rent	30,000	
Salary and wages	40,000	
Trade expenses	10,000	
Utility expenses	50,000	

10% Bank loan		100,000
Bank overdraft		20,000
Bills payable		65,000
Capital		400,000
Commission		65,000
Gross profit		400,000
Total	1,050,000	1,050,000

Additional information

- Appreciate land by 10%.
- Prepaid Rent Rs. 25,000.
- Salary was paid for 10 months only.
- Commission earned Rs. 5,000 but not received

Required: a. Profit & Loss a/c b. Balance sheet [3+2=5]

Ans: Net profit: Rs. 322000, Balance sheet: total Rs. Rs. 925,000

18. You are given the last year's balance sheet and current year's receipts and payment account of Sankata Athletic Club, Newroad.

Balance Sheet

As on 31-12-2023

Liabilities	Amount (Rs.)	Assets	Amount (Rs.)
Capital Fund	300,000	Sports equipment	300,000
10% Bank loan	80,000	Subscription due	10,000
Advance subscription	5,000	Bank balance	90,000
Salary due	15,000		
Total	400,000	Total	400,000

Receipts and Payment Account

For the year ended 31-12-2024

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
To balance b/d	90,000	By Salary	65,000
To Subscription	200,000	By Rent	50,000
To Entrance fees	50,000	By Furniture	200,000
To Life membership fees	110,000	By Interest on loan	8,000
		By Office expenses	20,000
		By balance c/d	107,000
Total	450,000	Total	450,000

Additional information

- Depreciate sports equipment by 10%.
- Capitalize half of the entrance fees.

Required: a) Income and expenditure account

[3]

b) Balance sheet as on 31-12-2024 [2]

Ans: Surplus: Rs.62,000, Balance sheet total: Rs. 577,000

19. A) A proprietor started business on 1st January, 2024 with cash and bank balance Rs. 50,000 and Rs. 150,000 respectively. The position of his business as on 31st December, 2024 was as under:

	Rs.	Accounts	Rs.
Stock	80,000	receivable	10,000
Bills payable	15,000	Bank balance	25,000
Bank loan	20,000	Fixed assets	150,000

He withdrew Rs. 20,000 during the year for his private use and there was no additional investment

Required:

- a. Statement of affairs showing closing capital [1]
 b. Statement of profit and loss [1]

Ans: a) Closing capital Rs. 230,000, b) Net profit Rs. 50,000

- B) The following transactions of District Education Office, Palpa has been given to you:

- a. Issued a payment order to DTCO, Papla for the payment of Water and electricity bill Rs. 3,500 and communication charge Rs. 5,000.
 b. Recorded as budgeted release for the payment of water and electricity and communication charge.
 c. Issued a payment order to DTCO, Palpa for issuing a cheque of Rs. 160,020 for the distribution of employee's remuneration after deducting P.F. Rs. 36,000 and social security tax Rs. 1,980

Required: Journal voucher [3]

OR

The following transactions of District Forest Office, Chitwan are provided to you:

B.H. No.	Budget heads	Annual budget (Rs.)	Expenses up to Ashoj (Rs.)
21111	Employee's remuneration	1,080,000	270,000
21133	Field allowance	180,000	45,000
22112	Communication charge	60,000	15,000
31122	Machinery and equipment	450,000	300,000
28142	House rent	300,000	75,000
Total		2,070,000	705,000

The following transactions occurred during the month of Kartik

- Kartik 01: Issued a payment order to DTCO of Rs. 1,000 to give advance to Office Assistant Mr. Bikash Panta for petty expenses.
 Kartik 02: Recorded as budget release for the advance payment of petty expenses.

- Kartik 20: Issued a payment order of Rs. 150,000 to DTCO, Chitwan for the payment of machinery
- Kartik 21: Recorded as budget release for the payment of purchase of machinery
- Kartik 30: Issued a payment order to DTCO, Chitwan for the distribution of total salary of Rs. 99,000 (including Government contribution to provident fund Rs. 9,000) after deducting provident fund as per the rules, social security tax Rs. 900 and provident fund loan Rs. 20,000. It was recorded as budget release on the same date.

Required: Budget sheet

[5]

Ans: Balance budget Rs. 1,115,000

Group - C

Long Answer Questions

Attempt All Questions

(3x8=24)

20. Following transactions are given to you:

- Jan-01-2020: Started a business with bank balance Rs.500,000.
- Jan-05-2020: Purchased goods of Rs. 50,000 and paid by cheque
- Jan-10-2020: Sold goods for Rs. 30,000 and received through cheque.
- Jan-15-2020: Withdrawn cash from bank Rs. 50,000 for office use.

Required: a) Journal entries b. Necessary ledger accounts
c. Trial balance

[2+5+1]

Ans: Trial balance total: Rs.530,000

21. The following items are given as on December 31, 2024:

Particulars	Debit (Rs.)	Particulars	Credit (Rs.)
Advertisement	15,000	Bank loan	150,000
Bad debt	5,000	Bills payable	115,000
Cash and bank	250,000	Capital	500,000
General expenses	20,000	Interest on investment	15,000
10% Investment	150,000	Sales revenue	420,000
Legal expenses	5,000		
Machinery	380,000		
Opening stock	10,000		
Purchase	165,000		
Salary	50,000		
Sundry debtors	125,000		
Wages	25,000		
Total	1,200,000	Total	1,200,000

Additional information:

- i. Closing stock was valued Rs. 25,000.

- ii. Depreciate machinery by 10%.
- iii. Provision for tax 20% of net income.

Required: a. Income statement b. Classified balance sheet [4+4=8]

Ans: Net income after tax Rs. 101,600, Balance sheet total Rs. 892,000

Or

- a. Profit and Loss statement as per NFRS
- b. Statement of financial position as per NFRS

[4+4=8]

22. A) The following information are given:

BH.No.	Budget Heads	Annual Budget (Rs.)	Expenditure of Shrawan (Rs.)	Balance Budget (Rs.)
21111	Employee's remuneration	600,000	50000	240,000
21131	Local allowance	120,000	10000	48,000
22112	Communication charge	180,000	15000	72,000
22313	Book and materials	108,000	9000	43,200
31121	Vehicles	420,000	35000	168,000
Total		1,428,000	119,000	571,200

Additional information:

- Advance column of bank cash book shows Rs. 20,000 in debit and Rs. 10,000 in credit for Books and Materials.

Required: Statement of expenditure for the month of Bhadra. [4]

Ans: Total balance of budget Rs. 571,200 (40%)

B) The following transactions are taken from a government office.

These expenses were paid by the DTCO after receiving the payment order from the government office

Magh 01: Issued a payment order to DTCO for the purchase of office furniture Rs. 25,000.

Magh 10: NA.SU. Mr. Ram Thapa presented the bill of office materials of Rs. 10,000 and bank deposit voucher on TSA of Rs. 2,000 and his advance is cleared.

Magh 30: Issued a payment order to DTCO, Kathmandu for issuing a cheque of Rs. 90,000 for the distribution of employee's remuneration and Rs. 10,000 for allowance after deducting P.F Rs. 20,000.

Magh 30: Record all the above budget expenses as budget release.

Required: Bank cash book. [4]

Ans: Budget expenditure: Rs. 155,000

The End

Subject: Economics (Sub. Code: 3031)

Grade: XI F.M.:75

Set-I

Candidates are required to give the answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Very Short Answer Questions

Attempt All Questions

[11 × 1 = 11]

1. Define public goods with example.
2. State any four assumptions of law of diminishing marginal utility.
3. Define demand pull inflation.
4. Distinguish between nominal GDP and real GDP.
5. Define capital formation.
6. State any four economic impacts of climate change.
7. Clarify the meaning of subsistence farming system with suitable example.
8. How cottage industries can be developed in Nepal?
9. Calculate equilibrium price if demand function is $Q_d = 12 - 2P$ and Supply function is $Q_s = -23 + 5P$.
10. Find the differential coefficient of $\frac{6}{x^4}$
11. Find the equation of straight line whose slope is $\frac{3}{2}$ and Y - intercept is -5.

Group B

Short Answer Questions

Attempt All Questions

[8 × 5 = 40]

12. Explain the material welfare centered definition of economics given by Alfred Marshall.
13. Describe various determinants of demand.
14. Describe the relationships between total utility and marginal utility by using the hypothetical table and diagram.
15. Consider the following table and answer the questions given below

Combination	A	B	C	D	E
Per unit price (in RS)	10	20	30	40	50
Quantity demanded (in Unit)	80	70	60	50	40

- a. Calculate price elasticity of demand from point A to D and interpret the result

- b. Calculate price elasticity of demand from point D to B and interpret the result
16. Explain the various functions of money.
17. Explain the various indicators of economic development.
18. Explain the various problems of water resource development in Nepal.
19. Find equation of straight line which passes through the point (3 ,5) and whose X – intercept is triple than that of its Y – intercept.

Or

Calculate marginal revenue function and value of marginal revenue at the level of output 5 if total revenue function is given as

$$TR = 5Q^3 + 2Q^2 - 6Q + 10.$$

Group C

Long Answer Questions

Attempt All Questions

[3 × 8 = 24]

20. Explain law of substitution in detail.
21. Describe the various concepts of national income accounting like GDP, GNP, NNP, NI, PI, DI and PCI.
22. Tourism industry can play significant role for socio economic and overall development of Nepal. But this industry is not well developed till now. In this situation how this sector can be well developed? Explain with your own arguments.

Set-II

Candidates are required to give the answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Very Short Answer Questions

Attempt All Questions

[11 × 1 = 11]

1. Define economic goods with example.
2. Define total utility and marginal utility with example.
3. Define cost push inflation.
4. Define GDP with formula.
5. Define Economic development.
6. State any four problems of natural resource management.
7. State any four importances of tourism industry.
8. How mineral resources of Nepal can be utilized properly?
9. Calculate equilibrium price if demand function is $D = 70 - 6P$ and Supply function is $S = -30 + 4P$
10. Find the differential coefficient of $\frac{1}{5x^6}$

11. Find the equation of straight line whose X – intercept is $\frac{5}{3}$ and Y – intercept is 4.

Group B

Short Answer Questions

Attempt All Questions

[8 × 5 = 40]

12. Explain the wealth centred definition of economics given by Adam Smith.
13. Describe various determinants of Supply.
14. Describe the various limitations or exceptions of law of diminishing marginal utility.
15. Consider the following table and answer the questions given below

Combination	E	F	G	H	I
Daily Income (in RS)	1000	2000	3000	4000	5000
Quantity demanded (in Unit)	50	40	30	20	10

- a. Calculate income elasticity of demand from point F to H and interpret the result
 - b. Calculate income elasticity of demand from point H to E and interpret the result
16. Explain the various types or kinds of money.
 17. Define capital formation and explain the process of capital formation.
 18. Explain the various problems in development of industrial sector in Nepal.
 19. Find equation of straight line which passes through the point (2 ,6) and whose Y – intercept is triple than that of its X – intercept.

Or

Calculate marginal cost function and value of marginal cost at the level of output 6 if total cost function is given as $TC = 15Q^3 + 4Q^2 - 8Q + 20$.

Group C

Long Answer Questions

Attempt All Questions

[3 × 8 = 24]

20. Define demand. Explain law of demand in detail. (2+6)
21. Define national income. Explain the product method of national income accounting in detail. (2+6)
22. Agriculture sector is backbone of Nepalese economy and overall development of Nepal depends upon the development of agriculture sector.’ Justify this statement with your own arguments.

Set-III

Candidates are required to give the answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Very Short Answer Questions

Attempt All Questions

[11 × 1 = 11]

1. Distinguish between positive economics and normative economics.
2. Define and state demand function.
3. Define inflation.
4. Define GNP with formula.
5. State the process of capital formation.
6. Define natural resource management.
7. State any four importances of agriculture.
8. How high rate of deforestation of Nepal can be minimized?
9. Calculate equilibrium price if demand function is $Q.D. = 60 - 3P$ and Supply function is $QS = -6 + 8P$
10. Find the differential coefficient of $\frac{5}{3x^4}$
11. Find slope of the line joining the points A (3, -5) and B (-4, 7).

Group B

Short Answer Questions

Attempt All Questions

[8 × 5 = 40]

12. Explain the wealth modern definition of economics given by Lionel Robbins.
13. Explain law of supply.
14. Describe the concept of consumer's surplus.
15. Consider the following table and answer the questions given below

Combination	A	B	C	D	E
Per unit price (in RS)	100	80	60	50	40
Quantity supplied (in Unit)	70	60	50	30	20

- a. Calculate price elasticity of supply from point A to D and interpret the result.
 - b. Calculate price elasticity of supply from point D to B and interpret the result.
16. Explain the various difficulties of barter exchange system.
 17. Describe the various features of underdeveloped nations.
 18. Explain the various characteristics or features of Nepalese agriculture.
 19. Find equation of straight line which passes through the point (3, -5) and ratio of whose X- intercept to its Y intercept is 2:3.

Or

Calculate marginal product function and value of marginal product at the level of output 4 if total product function is given as

$$TP = 13Q^3 + 8Q^2 - 7Q + 12$$

Group C
Long Answer Questions

Attempt All Questions**3×8 = 24**

20. Define shift in the demand curve. Explain the various factors causing the shift in demand curve. (2+6)
21. Explain the Fisher's Quantity Theory of Money in detail.
22. How development of industrial sector helps to achieve high level of socio economic and overall development of Nepal? Explain with your own opinion.

Set-IV

Candidates are required to give the answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A
(Very Short Answer Questions)

Attempt all the questions**[11 × 1 = 11]**

1. Distinguish between micro economics and macro- economics.
2. Define and state production function.
3. State the meaning of value of money.
4. Define open economy and closed economy.
5. Distinguish between economic growth and economic development.
6. State any four importance of mineral resources.
7. How transportation helps to achieve high level of economic development?
8. List out any four importance of industries.
9. State the uses of mathematics in economics.
10. Find the differential coefficient of $\frac{5}{4x^5}$
11. Find the equation of straight line joining the points (-4, 5) and 2, -3).

Group B
(Short Answer Questions)

Attempt all the questions**[8 × 5 = 40]**

12. Describe the various criticisms of modern definition of economics given by Lionel Robbins.
13. Describe the various limitations and exceptions of law of demand.
14. Explain the law of diminishing marginal utility by using hypothetical table and diagram.

15. Describe various types or degrees of price elasticity of demand.
16. Define inflation. Explain different types of inflation.
17. Explain the various indicators of economic development.
18. Explain the various prospects of tourism industry in Nepal.
19. Find equation of straight line which passes through the point (-2 ,5) and whose X – intercept is double than that of its Y – intercept.

Or

Calculate marginal productivity of labour and marginal productivity of capital at $L=4$ and $K=3$ if production function is given as

$$Q = 5L^2 + 7K^2 - 6LK + 10L - 5K + 20$$

Group C
(Long Answer Questions)

Attempt **all** the questions

[3 × 8 = 24]

20. State and explain law of variable proportion in detail.
21. Explain Quantity Theory of money. What are its criticisms? (6+2)
22. Despite of very high potentiality of agricultural development in Nepal, this sector is not well developed till now. How Nepalese agriculture can be well developed, modernized and commercialized? Explain with your own opinions.

The End

Subject: Business Studies (Sub. Code: 2151)**Grade: XI F.M.:75**

The Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Set-I**Group A****(Very Short Answer Questions)****Attempt All Questions:****[11x1=11]**

1. What is service enterprise?
2. List any two sources of business ideas.
3. What is financial resource?
4. What do you mean by multinational company?
5. State any two public company registered in Nepal.
6. List out any two duties of partner.
7. Write the meaning of business ethics.
8. Mention any two examples of direct tax.
9. Write any two essentials of insurance contract.
10. State any two public enterprises of Nepal.
11. What is winding up of a company? Explain its methods.

Group B**(Short Answer Questions)****Attempt All Questions:****[8x5=40]**

12. What is business? Describe its functions.

[1+4]**Or**

What is fire insurance? Explain the importance of insurance for business. [1+4]

13. Briefly explain major resources of business. [5]
14. Describe the reasons for starting sole trading concern. [5]

Or

Describe factors influencing the choice of the firm. [5]

15. What is partnership firm? How do you register partnership firm in Nepal? Discuss. [1+4]
16. Differentiate between public and private company. [5]
17. Examine the ethical practice of Nepalese business organization on the basis of ethical principles of business. [5]
18. You are running a business in Nepal, then describe how do you register it in PAN? [5]
19. Evaluate the role of computer application in record management? [5]

Group C**(Long Answer Questions)****Attempt All Questions:****[3x8=24]**

20. Write the concept of creativity and innovation. Explain the different sources of business ideas. [8]

Or

Describe different components of business environment. [8]

21. Ho co-operative organization plays different role than any other business organization in economic development in the context of Nepal? Explain. [8]
22. What is risk management? Insurance plays vital role in risk management, stability and development of business. Examine. [8]

Set-II

Group A

(Very Short Answer Questions)

Attempt All Questions:

[11x1=11]

1. What is commerce?
2. Define creativity.
3. What is intranet?
4. Define partnership deed.
5. Mention any two Government company of Nepal.
6. Define public enterprise.
7. What is business ethics?
8. What do you mean by indemnity principle?
9. Mention any two examples of indirect tax.
10. State registration formalities of sole trading in Nepal.
11. What is unlimited liability?

Group B

(Short Answer Questions)

Attempt All Questions:

[8x5=40]

12. What is business? Explain its characteristics.

[1+4]

Or

What is insurance? Explain the essentials of insurance contract.

[1+4]

13. Explain the different types of physical resources.
14. Explain the reasons for starting company business.

[5]

[5]

Or

Explain the types of company meeting.

[5]

15. Mention the contents of partnership deed.
16. Distinguish between partnership and company business.
17. Explain any two areas of social responsibilities of business.
18. "Tax is compulsory contribution, not voluntary". Explain.
19. Explain the importance of insurance in business.

[5]

[5]

[5]

[5]

[5]

Group C

(Long Answer Questions)

Attempt All Questions:

[3x8=24]

20. Explain the basics of a creative behavior. Show the difference between innovation and creativity.

[4+4]

Or

"Profit is the sole objective of a business is similar to say that eating is the objective of living". Do you agree? Give reasons.

[8]

21. What is multinational company? Explain the role of a multinational company.
22. What is risk? Explain the general principles of insurance.

[2+6]

[2+6]

Set-III**Group A****(Very Short Answer Questions)****[11x1=11]**

1. What is corporate culture?
2. Define innovation.
3. What is extranet?
4. Define Joint Stock Company.
5. Mention any two private limited company of Nepal.
6. What is cooperative organization?
7. Mention any two ethical principles for business.
8. What do you mean by mitigation of loss?
9. Define tax.
10. State any two differences between private limited company and public limited company.
11. What do you mean by sole trading concern?

Group B**(Short Answer Questions)****[8x5=40]**

12. What is business environment? Explain the components of internal environment. [1+4]

Or

What is life insurance? Explain the types of life insurance. [1+4]

13. What is human resource? Differentiate between recruitment and selection. [1+4]
14. Explain the characteristics of sole trading concern.

Or

Explain about the forms of business ownership.

15. What is partnership firm? Explain the reasons for starting a partnership firm. [1+4]
16. What are the challenges of a company business? Explain. [5]
17. Examine the social responsibilities of Nepalese business organizations towards customers. [5]
18. What are the demerits of direct tax with reference to Nepal? [5]
19. Explain the importance of company business. [5]

Group C**(Long Answer Questions)****[3x8=24]**

20. What is business idea? Explain the sources of business ideas. [2+6]

Or

What do you know about dimension of business? Explain the economic objectives of business.

21. How public enterprises in Nepal play an important role in the economic development? [8]
22. "Insurance plays an instrumental role in the promotion of business"- Justify. [8]

Set- IV

Group A

(Very Short Answer Questions)
[11×1=11]

1. What are the economic objectives of business?
2. Define business idea.
3. What is internet?
4. State any two responsibilities of business towards customers.
5. Mention any four characteristics of public enterprises.
6. What is arbitration clause in partnership deed?
7. What are the steps in incorporation process of a company?
8. Identify direct tax and indirect tax from the following:
 - Passengers tax
 - Social security tax
 - Capital gain tax
 - Excise duty
9. What is 'principle of economy' in information management?
10. Define filing.
11. What is multinational company?

Group B

(Short Answer Questions)
[8×5=40]

12. What is business? Explain its important functions.

[1+4]

Or

State the elements of insurance contract and explain the role of insurance in business.

[1+4]

13. Briefly explain major resources of business. **[5]**
14. Describe the reasons for starting a sole trading concern. **[5]**
15. What is partnership firm? Explain the challenges in partnership business. **[1+4]**
16. Differentiate between private & public limited company. **[5]**
17. Examine the ethical practices of business organizations on the basis of principles of business. **[5]**
18. "Tax reduces unemployment & economic inequalities". Explain. **[5]**
19. Give the concept of an office and explain its importance in modern business organizations. **[1+4]**

Group C

(Long Answer Questions)
[3×8=24]

20. Write the concept of creativity and innovation. As an entrepreneur, which sources of business ideas you would consider for your business? **[2+6]**

Or

Explain the external factors of business environment. Give your opinion which factor is the biggest obstacle in development of business in Nepal? **[6+2]**

21. How cooperative organizations play different role than any other business organizations in economic development of Nepal? Explain. **[8]**
22. Define insurance. Explain any five general principles of insurance. What do you think insurers in Nepal follow the principle of 'utmost good faith'? Comment. **[1+5+2]**

The End

Subject: Hotel Management (Sub. Code: 4391)**Grade: XI F.M.: 50****Set-I**

Candidates are required to give their answers in their own words as far as practical. The figures in the margin indicate full marks.

Section: A**Write Very short answer to the following Questions.****9×1=9**

1. Mention the basic components of tourism.
2. List down operational department of hotel.
3. Name any four international chain hotels.
4. Define catering establishments.
5. List down the section of front office department.
6. List any four supplies in a guest room.
7. Give four examples of fruit vegetables.
8. List any four-linen used in restaurant.
9. Define outlets and mention four F&B outlets.

Section: B**Write Short answer to the following Questions.****5×5=25**

10. What is accessibility in tourism? Explain with the reference of its condition in Nepal.
11. Explain different types of catering establishments with examples?
12. Define left luggage and write down the handling process of it.
13. Define different sections within housekeeping department.
14. Classify vegetables and explain the major cuts of vegetables.

Section: C**Write Long answer to the following Questions.****2×8=16**

15. Draw the organization chart of food and beverage service department and write down the duties and responsibilities of Food and Beverage managers.
16. What are different types of keys used in hotel? Explain their control system.

Set-II**Section A****Write Very short answer to the following Questions.****9×1=9**

1. Name any four international chain restaurants.
2. List down the functional departments of Hotel.
3. Who is excursionist?
4. List down the facilities available in Modified American Plan.
5. List down any four types of rooms in a Hotel.
6. Who is houseman?
7. Give any two examples of leafy vegetables.
8. Enlist the various types of vegetable cuts.
9. List down four types of glass ware with its uses.

Section B**Write Short answer to the following Questions.****5×5=25**

10. What different types of hotels fall under the location factors? Explain.
11. Write down the duties and responsibilities of waiter/ess.
12. Define plan and explain the various plans offered by a hotel.
13. Define and draw a neat format of maintenance order slip.
14. Explain the various types of kitchen.

Section C**Write Long answer to the following Questions.****2×8=16**

15. Define reservation and explain various procedures of room reservation?
Illustrate with the help of flow chart.
16. Explain the components of tourism.

Set-III**Section A****Write Very short answer to the following Questions.****9×1 = 9**

1. Define Chain Hotel.
2. List down four linens used in the housekeeping department.
3. Who is Domestic Tourist?
4. What do you understand by term Skipper?
5. Write down the full form of GRE and FIT.
6. What is the function of the Emergency Key?
7. Who is responsible for preparation of cold food items?
8. What is the French term for Senior Captain?
9. What is the standard size of Square Table for four covers?

Section B**Write Short answer to the following Questions.****5×5=25**

10. What the difference between Downtown hotel and Resort?
11. Define hospitality and explain its characteristics.
12. Explain the Telephone Handling Etiquette.
13. Write the major responsibilities of Room Attendants.
14. What are the attributes of food and beverage service personnel? Explain.

Section C**Write Long answer to the following Questions.****2×8=16**

15. Draw a neat diagram of large hotel organization and explain operational departments of hotel.
16. Highlight the coordination departments of kitchen with their relationship.

Set- IV**Section: A****Write Very short answer to the following Questions.****9×1 = 9**

1. Classify hotel on the basis of locations.
2. Name 4 back of the house departments of the hotel.
3. Define Adventure tourism.
4. Define scanty baggage guest.
5. Define Maid's card.
6. What do you understand by bacon?
7. Give any two example of root vegetable.
8. What is the standard height of a dining table?
9. Name any two glassware with their uses.

Section: B**Write Short answer to the following Questions.****5 × 5 = 25**

10. Classify and explain primary catering establishments.
11. Describe attraction as component of tourism with the references of natural attractions of Nepal.
12. What is linen? Explain their exchange system of linens in hotels.

OR

Explain the various types of keys used in the hotel.

13. Recommend essential kitchen safety measures for kitchen staff.

OR

What are the basic points to be considered while planning (designing) Kitchen in the hotel? Explain.

14. Explain various types of raising agents.

Section: C**Write Long answer to the following Questions.****2×8=16**

15. Draw the organization chart of Front office department and explain various sections within front office department.

OR

What are the different basis of fixing tariff? Explain.

16. Enlist and explain various Food and Beverage outlets.

*** _ ***

Subject: Computer Science (Sub. Code: 4271)**Grade: XI F.M.: 50****Set-I****Group-A****Multiple choice Questions****[9x1=9]*****Tick the best alternative.***

1. How many Bytes make 1 Kilobyte?
 - a. 1000
 - b. 10000
 - c. 1024
 - d. 512
2. Magnetic core memories were used as primary memory in generation computer.
 - a. First
 - b. Second
 - c. Third
 - d. Fourth
3. An integrated circuit is
 - a. A complicated circuit
 - b. An integrating device
 - c. Much costlier than a single transistor
 - d. Fabricated on a tiny silicon chip
4. Which gate is used to find 1's Complement?
 - a. AND
 - b. OR
 - c. NAND
 - d. NOT
5. Which is a logical operator in C?
 - a. >=
 - b. &&
 - c. @
 - d. %
6. Which of the following is not an operating system?
 - a. Windows
 - b. Linux
 - c. Oracle
 - d. DOS
7. Multimedia is widely used to add special _____ to movies.
 - a. Arrangement
 - b. Attachments
 - c. Control
 - d. Effects
8. Which of the following refers to stealing one's idea or invention of others and use it for their own benefits?
 - a. Piracy
 - b. Plagiarism
 - c. Intellectual property rights
 - d. All of the above
9. The correct sequence of HTML tags for starting a webpage is -
 - a. Head, Title, HTML, body
 - b. HTML, Body, Title, Head
 - c. HTML, Head, Body, Title
 - d. HTML, Head, Title, Body

[5x5=25]

- OR**

OR

[2x8=16]

- OR**

[9×1=9]

- a. OR b. NOT
c. NOR d. AND

4. Which of the following services are not provided by operating system?
 - a. Memory management
 - b. People management
 - c. Device management
 - d. Process management
5. What do we use if we want to add texts in a given slide?
 - a. Comment box
 - b. Text layer
 - c. Not box
 - d. Text box
6. Who is the father of C programming?
 - a. Bjarne Stroupus
 - b. Dennis Ritchie
 - c. James Gosling
 - d. Dr. E.F Cord
7. Which of the following is used to insert a line – break in HTML?
 - a. `
`
 - b. `<a>`
 - c. `<pre>`
 - d. ``
8. Which is Nepal's first cyber law?
 - a. PTA, 2064
 - b. ETA 2063
 - c. ECA, 2063
 - d. EFA, 2062
9. Printf() is.....function.
 - a. formatted input
 - b. unformatted input
 - c. formatted output
 - d. unformatted output

Group 'B'

Short Answer Questions:

Attempt all the questions:

[5×5=25]

10. What is primary memory? Explain any two types.

OR

What is hexadecimal number system? Convert $(CA98)_{16}$ into octal number system.

11. What is OS? List out and explain its any four functions.
12. Explain any 5 tags of HTML.

OR

What is multimedia? Explain the application of multimedia.

13. Explain if else statement with syntax, flowchart and example.
14. Explain different types of cybercrime.

Group 'C'

Long Answer Questions:

Attempt all the questions:

[2×8=16]

15. Explain Computer architecture with block diagram and explain function of all its components.

OR

Explain different types of operators in C. WAP to find simple interest using C.

16. State and verify Associative and distributive laws of Boolean Algebra.

Set-III**Group-A****Multiple choice Questions****[9x1=9]***Tick the best alternative.*

1. Which of the following is not an output device?
 - a) Speaker
 - b) Monitor
 - c) Printer
 - d) Mouse
2. Once we load the suitable program and provide required data, computer does not need human intervention. This feature is known as
 - a) Accuracy
 - b) Reliability
 - c) Versatility
 - d) Automatic
3. Which gate is used to find 1's complement?
 - a) AND
 - b) OR
 - c) NAND
 - d) NOT
4. Thread is a
 - a) Heavy weight process
 - b) Light weight process
 - c) Multi process
 - d) I/O process
5. Which item appears dimly behind the main body text
 - a) Water Color
 - b) Background
 - c) Watermark
 - d) Back color
6. Which types of errors are flagged by compilers?
 - a) Logical errors
 - b) Syntax errors
 - c) Run time errors
 - d) All of the above
7. Which tag is used to insert hyperlink in HTML document?
 - a) <link>
 - b) <a href>
 - c)
 - d) <src>
8. Which image format is lossy?
 - a) Png
 - b) Bmp
 - c) Mpeg
 - d) Jpeg
9. The key that is only known to the encrypter is
 - a) Private Key
 - b) Public Key
 - c) Asymmetric Key
 - d) None of these

Group-B**Give short answer to the following questions.****[5x5=25]**

10. Explain types of bus architecture.
11. Subtract 101 from 1101 using 1's and 2's complement method.
12. What is programming error? Explain types of programming errors.
13. What is CSS? Explain types of CSS.
14. What is cybercrime? Explain any four cybercrimes.

Group-C**Give long answer to the following question.****[2x8=16]**

15. What is operating system? Explain different types of operating system.

OR

Define data types in C. WAP to display the given number is odd or even.

16. Define Boolean algebra. Explain different types of basic gates with truth table, logic diagram and Venn diagram.

***********Set-IV****Group-A****Multiple choice Questions****[9x1=9]*****Tick the best alternative.***

1. The smallest unit of data in computer is called
 - a) Bit
 - b) Nibble
 - c) Kilobyte
 - d) Byte
2. Magnetic core memories were used as primary memory in generation of computer.
 - a) First
 - b) Second
 - c) Third
 - d) Fourth
3. Which of the following is known as Universal gate?
 - a) OR
 - b) NOT
 - c) NOR
 - d) AND
4. Which of the following is not an operating system?
 - a) Windows
 - b) Linux
 - c) Oracle
 - d) DOS
5. Shortcut key for cut
 - a) Ctrl + C
 - b) Ctrl + A
 - c) Alt + X
 - d) Ctrl + X

6. C programming is based programming language.
 - a) Compiler
 - b) Interpreter
 - c) Assembler
 - d) All of the above
7. The correct sequence of HTML tags for starting a webpage is
 - a) Head, Title, HTML, Body
 - b) HTML, Head, Title, Body
 - c) HTML, Head, Body, Title
 - d) HTML, Body, Head, Title
8. Which of the following is not image file format?
 - a) GIF
 - b) TIFF
 - c) JPEG
 - d) WAV
9. Which one is not a commandments of computer ethics?
 - a) You shall not use a computer to harm other people.
 - b) You shall not use a computer to bear false witness.
 - c) You shall not snoop in other people's computer file.
 - d) You shall not enter other people's home.

Group-B

Give short answer to the following questions.

[5x5=25]

10. What is primary memory? Explain any two types.

OR

What is octal number system? Convert $(CAB7)_{16}$ into octal number system.

11. What is operating system? Explain any four functions of OS.
12. Define HTML? Explain any four tags used in HTML.

OR

What is multimedia? Explain the components of multimedia.

13. Explain different types of operators used in C programming.
14. What is a malware? Explain any four types of malwares.

Group-C

Give long answer to the following question.

[2x8=16]

15. Explain X-OR gate and X-NOR gate with their graphical symbol, Boolean expression, truth table, venn diagram and definition. [4+4]

OR

Define an array with syntax? Write a program which displays the name of the days in a week depending on the number entered through the keyboard using switch case statement.

16. Define bus in computer architecture. Explain different types of bus with block diagram.

The End

Subject: Business Mathematics (Sub. Code: 4051)

Grade: XI F.M.:75

Set-I

Attempt **All** Questions:

Group-A

Rewrite the correct option in your answer sheet

[11x1=11]

1. What is the probability that a leap year will contain 53 Sundays?
a. $\frac{2}{7}$
b. $\frac{1}{7}$
c. $\frac{3}{7}$
d. $\frac{4}{7}$
2. The graph of $y \geq 0$ in xy-plane is
a. open right half plane
b. open left half plane
c. closed right half plane
d. closed upper half plane
3. If $R = 3Q^2 + 2Q - 10$ be a revenue function then the marginal revenue at $Q = 5$ is
a. Rs.25
b. Rs.30
c. Rs.32
d. Rs.34
4. If $y = x^n, n \neq 1$ then $\int x^n dx$ is
a. $\frac{x^{n+1}}{n+1} + C$
b. $\frac{x^{n+1}}{n+1} + C$
c. $\frac{x^{n+1}}{n+1}$
d. $\frac{x^{n-1}}{n-1} + C$
5. If $x + 2, 3x$ and $4x + 1$ are in A.P., then the value of x is
a. 3
b. 2
c. 1
d. 4
6. If $f(x) = \begin{cases} \frac{x^2-x}{2x} & \text{for } x \neq 0 \\ k & \text{for } x = 0 \end{cases}$
and if f is continuous at $x = 0$, then $k =$
a. -1
b. -1/2
c. 0
d. 1/2
7. The derivative of $y = e^{a+bx}$ w.r. to 'x' is
a. ae^{a+bx}
b. be^{a+bx}
c. e^{a+bx}
d. none
8. A began business with Rs.4200 and joined B with capital Rs.7200. When did B join if the profits at the end of the year are equally divided?
a. 4 months
b. 5 months
c. 6 months
d. 7 months
9. A manufacturer of radio sets produced 600 units in the third year and 700 units in the seventh year. Assuming the production uniformly increases by a fixed number every year, the production in the first year is
a. 500
b. 530
c. 550
d. 570

Mark	Sita	Rita
Mean	70	75
Median	65	90

a. Sita b. Rita
c. Both of them d. None of above

[illegible]

[8x5=40]

- Find total revenue function
- Find demand function
- Find revenue of $x = 5$
- Find demand at $x = 10$

[Ans: $2x^3 + 2x^2 + 3x$, $2x^2 + 2x + 3$]

[Ans: A = Rs.1033, B = Rs.1627]

$$f(x) = \begin{cases} x + 4 & \text{for } x > 2 \\ 2x + 2 & \text{for } x \leq 2 \end{cases} \text{ at } x = 2$$

[Ans: 6] [3+2]

[Ans: 1+2+2]

b. $\int x \ln x \, dx$ [Ans: $\frac{x^2}{2} \ln x - \frac{x^2}{4} + C$] [2.5+2.5]

17. A watch dealer wishes to buy new watches and has two models M_1 and M_2 to choose. M_1 costs Rs.100 and M_2 costs Rs.200. In view of the showcase of the dealer, he wants to buy not more than 30 and can spend up to

Rs.4000. The watch dealer can make a profit of Rs.30 in M_1 and Rs.60 in M_2 . How many of each type should he buy to obtain maximum profit? Use graphical method. [5]

[Ans: 20 and 10]

18. Calculate Q_1 , D_6 and P_{76} for the following data: [5]

x:	5	4	9	12	15	6	10
y:	8	6	12	8	6	9	10

[Ans: $Q_1 = 6$, $D_6 = 10$, $P_{76} = 12$]

19. Following are the marks obtained by two students Ram and Hari in 10 tests of 100 marks each.

Test	1	2	3	4	5	6	7	8	9	10
Marks of Ram	54	60	56	68	72	52	48	76	80	44
Marks of Hari	66	57	51	72	69	63	60	54	75	48

Who has more consistent performance?

[5]

[Ans: C.V of Ram = 19.18%, C.V of Hari = 14%, Hari is consistent]

Group-C

Attempt all questions

[8×3=24]

20. a. Define derivative. Use it to find the derivatives of $\frac{3x+5}{\sqrt{x}}$. [4]

[Ans: $\frac{3}{2\sqrt{x}} - \frac{5}{2x^{3/2}}$]

- b. Find $\frac{dy}{dx}$ when i) $x^3 + y^3 = 3axy$ ii) $e^{2x} \cdot \ln x$ [4]

[Ans: i) $\frac{ay-x^2}{y^2-ax}$, ii) $e^{2x}(\frac{1}{x} + 2\ln x)$]

21. a. A, B and C have respectively Rs.50,000, Rs.35,000 and Rs.25,000 invested in a business. A and B receive respectively 20% and 10% of the annual profits as salary. The residue of the profit is divided among them in proportion to their capitals. If at the end of the year A receives altogether Rs.1,200 more than B, what does each receive? [4]

[Ans: A = Rs.3181.4, B = Rs.1981.4, C = Rs.976.7]

- b. A man has a monthly salary of Rs.15000. If he gets an annual increment of Rs.250 per month for 7 years, after that it remains constant. Find [4]

i) 7th year salary ii) total salary in 7 years iii) total salary in 10 years

[Ans: i) Rs.16500, ii) Rs.13,23,000, iii) Rs.19,17,000]

22. a. A man has 10 friends of whom 6 are relatives. In how many ways can he invite 5 guests such that 2 of them may be relatives? [Ans: 60] [4]

- b. Ram and Shyam appear for an interview for two different posts. The probabilities of their selection are $\frac{1}{4}$ and $\frac{1}{5}$ respectively. Find the probability that both of them will be selected, only one of them will be selected, and none of them will be selected. [Ans: 0.05, 0.35, 0.6] [4]

Set-II

Attempt **All** Questions:

Group-A

Rewrite the correct option in your answer sheet

[11x1=11]

1. The derivative of $\ln 2x$ w.r. to 'x' is
 - a. $\frac{1}{2x}$
 - b. $\frac{1}{x}$
 - c. $\frac{2}{x}$
 - d. none
2. The solution set of $x + 2y \leq 20$ contain origin. The above statement is
 - a. true
 - b. false
 - c. both a and b
 - d. none
3. If the marginal cost function is given by $MC = 10 + x + x^2$ then cost function is
 - a. $10x + \frac{x^2}{2} + \frac{x^3}{3}$
 - b. $10 + x + x^2$
 - c. $10 - \frac{x^2}{2} - \frac{x^3}{3}$
 - d. none
4. The value of indefinite integral $\int \frac{x^2-4}{x-2} dx$ is
 - a. $\frac{x^2}{2} + x + C$
 - b. $\frac{x^2}{3} - 2x + C$
 - c. $x^2 + 2x + C$
 - d. $\frac{x^2}{2} + 2x + C$
5. The sum of A.S. $6 + 10 + 14 + 18 + \dots$ to 10 terms is
 - a. 240
 - b. 340
 - c. 440
 - d. 540
6. If $\lim_{x \rightarrow a} \frac{x^2-a^2}{x-a} = 4$. Then the value of a is
 - a. 1
 - b. 2
 - c. 3
 - d. 4
7. In a moderately skewed distribution if $\bar{x} = 44.5$ and 49. Then the value of median is
 - a. 48
 - b. 46
 - c. 45
 - d. 44
8. A, B and C are in partnership. Towards capitals, A contribute Rs.3600 and B Rs.3000. The profits amounted Rs.3000 out of which C receives Rs.1600. Then the capital of C in
 - a. Rs.1600
 - b. Rs.2600
 - c. Rs.3600
 - d. Rs.4800
9. If CV of Ram's mark is greater than CV of Hari's mark. Who is more consistent of performance?
 - a. Hari
 - b. Ram
 - c. both of them
 - d. none of above
10. In how many ways can eight different beads be made into a bracelet?
 - a. 1520
 - b. 2520
 - c. 3520
 - d. 4520

11. A card is drawn from 52 cards. Then the probability of getting king or spade is
- a. $\frac{4}{13}$
- b. $\frac{8}{13}$
- c. $\frac{16}{13}$
- d. $\frac{2}{13}$

Group-B

Attempt all questions

[8x5=40]

12. Ten apples are placed in a straight line on the ground. The distance between two consecutive apples is 15 m. The first being 10m apart from basket. A runner starts from basket and puts one apple at a time in the basket. Find the distance in order to put,
- the last apple in the basket
 - all the apples superlatively in the basket
- [3+2]**

[Ans: a) 270m, b) 1550 m]

13. A, B and C engage in a trade, B being the working partner he receives 20% of the profit, the remaining profit being divided in the ratio 2:3:4 respectively. If B receives Rs.3000 as share profit. Find the profit share A and C. [5]

[Ans: A = R.11428.57, B = Rs.22857.14]

14. Discuss the continuity or discontinuity of the function

$$f(x) = \begin{cases} \frac{x^2-7x}{x-7} & \text{for } x \neq 7 \\ 5 & \text{for } x = 7 \end{cases}$$

[discontinuous]

and Evaluate: $\lim_{x \rightarrow 3} (\frac{1}{x-3} - \frac{6}{x^2-9})$

[Ans: 1/6][3+2]

15. If $R(Q) = Q^2 - 60Q + 9$ is a revenue function. Find demand and marginal revenue at production level 9. **[Ans: 4, 12][2+3]**

[Ans: 4, 12][2+3]

16. Evaluate:

- a. $\int (3x^2 - 5)(x^3 - 5x + 6)^3 dx$. [Ans: $\frac{1}{4}(x^3 - 5x + 6)^4 + C$]
 b. Let the marginal cost function of a firm be $100 - 10x + 0.1x^2$ where x is the output. Obtain the total cost function of the firm under the assumption that its fixed cost is Rs.500.

[Ans: $100x - 5x^2 + \frac{1}{30}x^3 + 500$] [2+3]

17. Use graphical method to maximize and minimize

$$f(x, y) = 7x + 10y \text{ subject to constraints}$$

$$3x + y \leq 9, \quad x + 2y \leq 8, \quad x \geq 0, y \geq 0$$

[Ans: Max: 44 at (2, 3), Min: 0 at (0, 0)][5]

18. Calculate Q_1 , D_5 and P_{95} for the following data:

[5]

x:	20	25	10	24	12	15	30	22
y:	20	5	9	8	8	15	3	10

[Ans: $O_1 = 15, D_5 = 20, P_{95} = 30$]

19. From the data given below, find C.V

Variable	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	10	16	30	40	26	18

[5]

[Ans: 32.75%]

Group-C**Attempt all questions**

[8×3=24]

20. a. Find the derivative of $\sqrt{5x-7}$ from first principle.

[4]

[Ans: $\frac{5}{2\sqrt{5x-7}}$]b. Find $\frac{dy}{dx}$

i) $x = 2at, y = at^2$

[Ans: t or $\frac{x}{2}$]

ii) $x + y = xy$

[Ans: $\frac{y-1}{1-x}$][2+2]

21. a. A started business with a capital of Rs.7000 in the beginning of the year. After 4 months, he admitted B with a capital of Rs.6000, after 6 months, they admitted C with a capital of Rs.8000. If the profit at the end of the year amount to Rs.15,000. Find the profits individually. [4]

[Ans: Rs.7,000, Rs.4,000, Rs.4,000]

b. How many terms of the series $20 + 16 + 12 + \dots$ must be taken so that sum may 56? Explain the double answer. [4]

[Ans: 4, 7]

22. a. There are 7 men and 3 ladies. Find the number of ways in which a committee of 6 persons can be formed if the committee is to have at least one man and exactly three ladies. [4]

[Ans: 210, 35]

b. Two fair dice are thrown at the same time. Find the probability that sum of two numbers turns up is (i) 6 (ii) less than 6 [4]

[Ans: (i) 5/36, (ii) 5/18]

Set-IIIAttempt **All** Questions:**Group-A****Rewrite the correct option in your answer sheet**

[11×1=11]

1. Marks in Business Mathematics of XI of GCM in first term exam is increased by 5. Then which of the statement is true?

a. mean marks increased by 5

b. s.d. is increased by 5

c. both a and b

d. none

2. The LP problem banned feasible regain has...

a. maximum value

b. minimum value

c. both a and b

d. none

3. The derivative of $y = p/q$ w.r. to x is
 - a. p
 - b. q
 - c. 0
 - d. none
4. The value of $\int \log x \cdot dx$ is
 - a. $x^3 \log x + x + C$
 - b. $x^2 \log x + x + C$
 - c. $\log x - x + C$
 - d. $x \log x - x + C$
5. If first term of A.P is 8 and common difference is 3. Then t_{31} is
 - a. 98
 - b. 88
 - c. 78
 - d. 68
6. The value of $\lim_{x \rightarrow \infty} \frac{5x^2+7x+8}{5x^2+3x-3}$ is
 - a. 0
 - b. 1
 - c. $5/3$
 - d. 5
7. Which of the following is the condition for break even point?
 - a. $st(x) = 0$
 - b. $R(x) - C(x) = 0$
 - c. $R(x) = C(x)$
 - d. all
8. If A, B and C invest Rs.1000, Rs.1100 and Rs.1400 respectively. Then divide a profit of Rs.980 among A, B and C.
 - a. Rs.100, Rs.250, Rs.350
 - b. Rs.200, Rs.300, Rs.400
 - c. Rs.300, Rs.400, Rs.500
 - d. Rs.480, Rs.300, Rs.200
9. The mark of 10 students are 19, 91, 25, 55, 63, 74, 89, 47, 39, 57, then the median mark is
 - a. 56
 - b. 55
 - c. 47
 - d. 39
10. If ${}^nP_3 : {}^nP_2 = 3:1$. Then the value of n is
 - a. 4
 - b. 5
 - c. 6
 - d. 8
11. Two fair coins are tossed at the same time, then the probability of getting at least one head is
 - a. $\frac{1}{2}$
 - b. $\frac{1}{4}$
 - c. $\frac{3}{4}$
 - d. $\frac{4}{3}$

Group-B

Attempt all questions

[8x5=40]

12. A man has monthly salary of Rs.10,000. If he gets an annual increment of Rs.300 per month for 6 year after which it remain constant. Find the salary for
 - a. 7th year
 - b. total salary in 6 years
 - c. total salary in 10 years.

[5]

[Ans: Rs.11500, R.774,000, Rs.13,26,000]

13. Three partner's A, B and C start business contributing Rs.15000, Rs.20,000 and Rs.24,000 respectively. B receives 20% of the profit for his salary as manager. At the end of 5 months, A withdraw $\frac{1}{3}$ of his capital and at the end of 7 months C withdraw $\frac{1}{4}$ of his capital profit for the year amounted to be Rs.35,000. Find the share of each. [5]

[Ans: A = Rs.6314.15,, B = Rs.17451.01, C = rs.11234.84]

14. a. A function is defined as follows:

$$f(x) = \begin{cases} 3 + 2x & \text{for } -\frac{3}{2} \leq x < 0 \\ 3 - 2x & \text{for } 0 \leq x < \frac{3}{2} \\ -3 - 2x & \text{for } x \geq \frac{3}{2} \end{cases}$$

Test the continuity or discontinuity at $x = \frac{3}{2}$

[3]

[Ans: discontinuous]

- b. Evaluate: $\lim_{x \rightarrow 4} \frac{x^2 - 16}{\sqrt{3x + 4} - 4}$

[Ans: 64/3]

[2]

15. The cost function of a product is $C(Q) = 3Q^2 + 8$ and the demand function of the same product is $P = \frac{1}{3}Q^2 - 10Q + 105$, Where Q is the output, P the price per unit output.

- (i) find the marginal cost when output is 4. [2]

- (ii) find the marginal profit at the output level 4. [3]

[Ans: (i) 24, (ii) 17]

16. a. Integrate: $\int \frac{x+2}{2x-5} dx$

[2]

[Ans: $\frac{1}{4}x + \frac{9}{4} \log(2x - 5) + C$]

- b. If the marginal revenue function for output x is given by $M_R = 3x^2 + 2x + 5$. Find the total revenue function. Also, deduce the demand function. [3]

[Ans: $x^3 + x^2 + 5x, x^2 + x + 5$]

17. Use graphical method, solve the given linear programming problems

Minimize $z = x + y$, subject to constraints

$$3x + 2y \geq 12, x + 3y \geq 9, x \geq 0, y \geq 0$$

[5]

[Ans: Min: 33/7; at (18/9, 15/7)]

18. Find the median and mode from the following data: [5]

Wages (in Rs.)	10-19	20-29	30-39	40-49	50-59	60-69	70-79
No. of workers	7	15	10	20	25	3	10

[Ans: Median = 46, Mode = 51.35]

19. Find M.D from mean and coefficient of M.D from mean from the following distribution.

Class	0-20	20-40	40-50	50-60	60-80
Frequency	4	6	10	8	2

[4+1]

[Ans: M.D. from mean = 13.11, coefficient = 0.3146]

Group-C

Attempt all questions

[8×3=24]

20. a. Find the derivative of $\frac{1}{\sqrt{3x+4}}$ from definition.

[5]

[Ans: $\frac{3}{2(3x+4)^2}$]

- b. Find $\frac{dy}{dx} y = \frac{1}{\sqrt{x+a}-\sqrt{x-b}}$

[3]

[Ans: $\left[\frac{1}{2(a+b)} \left(\frac{1}{\sqrt{x+a}} + \frac{1}{\sqrt{x-b}} \right) \right]$]

21. a. A and B were equal partners in manufacturing concern C was admitted as a new partner to whom A agreed to give up $\frac{2}{19}$ of his share and B, $\frac{3}{19}$ of his share. When the profits were divided, C. got Rs.1690. How much did A and B receive?

[4]

[Ans: A = Rs.5746, B = Rs.5408]

- b. Find three numbers in A.P. such that sum is 33 and their product is 792.

[4]

[Ans: 4, 11, 18]

22. a. In how many ways can a committee of 4 persons be selected out of 10 persons? So that two particular persons may (i) always be taken (ii) never be taken

[2+2]

[Ans: (i) 28 (ii) 70]

- b. In a company, out of 15 candidates, 10 men and 5 women apply for two vacancies. What is the probability of selecting?

(i) both men

[2]

(ii) a men and a woman

[2]

[Ans: (i) 9/21, (ii) 10/21]

Set-IV

Attempt All Questions:

Group-A

Rewrite the correct option in your answer sheet.

[11x1=11]

1. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ and $g: \mathbb{R} \rightarrow \mathbb{R}$ be defined by $f(x) = 2x + 1$ and $g(x) = x^2 - 3$. Then the value of $f \circ g$ is

a. $2x - 3$

b. $5x^2 - 3$

c. $2x^2 - 3$

d. $2x^2 - 5$

2. The system of linear equations $-2x + 5y = 3$ and $6x - 15y = -9$ has...

a. Many solutions

b. No solutions

c. unique solution

d. two solutions

3. A book publisher finds that production costs associated with each book is Rs.30 and fixed cost is Rs.25,000. If each book is sold for Rs.50. How many books should he sell so as to make a profit of Rs.15,000?
 - a. 4000
 - b. 1000
 - c. 2000
 - d. 3000
4. The value of integral $\int (x + 2) dx$ is
 - a. $\frac{x^2}{2} - 2x + C$
 - b. $\frac{x^2}{2} + 2x + C$
 - c. $x^2 + 2x + C$
 - d. $\frac{x^2}{2} + x + C$
5. The value of $\frac{dy}{dx}$ if $x = 2y^2 + 3y + 4$ is
 - a. $\frac{1}{4y-3}$
 - b. $\frac{1}{y+3}$
 - c. $\frac{1}{4x+3}$
 - d. $\frac{1}{4y+3}$
6. If $x + 2, 3x$ and $4x + 1$ are in A.P., then the value of x is
 - a. 3
 - b. 2
 - c. 1
 - d. 4
7. If the true discount on a certain sum for 5 months at 12% p.a. is Rs.200, then the present worth is
 - a. Rs.2000
 - b. Rs.3000
 - c. Rs.4000
 - d. Rs.5000
8. Mukunda and Bhanu invested Rs.3000 and Rs. 5000 in a business respectively. If from the total profit, Mukunda received Rs 600 as his profit, what is Bhanu's share of profit?
 - a. Rs.900
 - b. Rs.1000
 - c. Rs.1200
 - d. Rs.800
9. The solution set of $x - 5y \leq 5$ contains origin. The above statement is....
 - a. true
 - b. false
 - c. both (a) and (b)
 - d. none of above
10. In a moderately skewed distribution, median = 65.4 and mode = 62.3. Find the value of mean.
 - a. 56.99
 - b. 66.95
 - c. 45.5
 - d. none of them
11. In how many ways can the letters of the word "BUSINESS" be arranged ?
 - a. 7720
 - b. 7620
 - c. 6720
 - d. none of above

Group-B

Attempt all questions

[8×5=40]

12. a. If $-10 \leq 5x + 10 \leq 5$ then prove that $-4 \leq x \leq -1$ **[1]**
 - b. Given the demand function $P = 2400 - 0.5Q$, determine the point elasticity of demand when $P = \text{Rs.}1800$. **[2]**
 - c. The demand and supply functions are given by $P = 58 - 0.2Q$ and $P = 4 + 0.1Q$. Find the consumer surplus and producer surplus. **[2]**

13. a. A company when produced x items has the total cost TC and total revenue TR are given by $TC = 100 + 0.015x^2$ and $TR = 3x$. Find how many items should be produced to maximize the profit. What is the maximum profit? [2]

A virus is thought to spread through a chicken farm according to the equation $N = \frac{800}{1 + 799e^{-0.1t}}$, where N is the number of infected chickens in " t " days.

i. How many chickens are infected at $t = 0$? [1]

ii. In how many days 772 chickens are infected? [2]

14. a. Evaluate: $\lim_{x \rightarrow 0} \frac{\sqrt{1+2x} - \sqrt{1-2x}}{x}$ [2]

b. Examine the continuity or discontinuity of the given function at the point specified.

$$f(x) = \begin{cases} \frac{x^2-16}{x-4} & \text{for } x \neq 4 \\ 4 & \text{for } x = 4 \end{cases} \text{ at } x=4 \quad [3]$$

Ans: Discontinuous at $x = 4$

15. a. The cost function of a firm is given by $C(x) = 20 + 2x + 0.5x^2$, where x is output. Find average cost and marginal cost at production level at $x = 10$ [3]

Ans: Ac = Rs.9; MC = Rs.12

b. Integrate: $\int \frac{x+2}{x-2} dx$ [2]

Ans: $x + 4\ln(x-2) + C$

16. a. Integrate: $\int (3x^2 - 5)(x^3 - 5x + 6)^3 dx$ [2]

Ans: $\frac{(x^3-5x+6)^4}{4} + C$

b. The marginal cost of production is found to be $MC = 2000 - 40x + 3x^2$ where x is the number of units produced. The fixed cost of production is Rs.18,000. Find the cost function. [3]

Ans: $C = 2000x - 20x^2 + x^3 + 18000$

17. Maximize the objective function $F(x,y) = 5x + 2y$ subject to the constraints $2x + y \leq 4$, $x - 2y \leq 2$, $x \geq 0$ and $y \geq 0$ [5]

Max. F = 10 of $x = 2$, $y = 0$

18. Find the lower quartile and upper quartile of the following data: [5]

Marks:	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of students	15	20	25	24	12	31	52

Ans: $Q_1 = 33.9$, $Q_3 = 61.39$; S.D = 11.97; C.V = 36.59%

19. Find C.V. (coefficient of variation) of the following income distribution. [5]

Income	0-10	10-20	20-30	30-40	40-50	50-60
No. of workers	4	6	15	25	17	3

Group-C**Attempt all questions****[3x8=24]**

20. a. Find the derivative of $x^2 - 5$ from first principle.

[3]**Ans: $2x$**

- b. Find $\frac{dy}{dx}$ if $y = e^x \cdot \ln(2x)$

[2]**Ans: $e^x \left(\frac{1}{x} + \ln 2x \right)$**

- Find $\frac{dy}{dx}$ if $x = 3a t^2$ and $y = 3a t^3$

[3]**Ans: $\frac{3}{t}$**

21. a. Ram and Shyam are partners. Ram contributes Rs.20,000 and Shyam, Rs.30,000. Ram acts as a manager, gets 24% of the total profit for manager and remaining profits are divided according to their capitals. Shyam gets Rs. 4560 in his share. What would Ram get.

[4]**Ans: Rs.5440**

- b. The difference between the true discount and banker's discount on a certain bill due 3 months hence is Rs.5, the rate of interest being 4% p.a. Find (i) true discount (ii) banker's discount (iii) amount of the bill.

[4]**Ans: i) 500, ii) 505, iii) 50500**

22. a. A man has a monthly salary of Rs.10,000. If he gets an annual Increment of Rs.300 per month, how much salary does he receive in the 10th years?

[2]**Ans: Rs.12700**

- b. In how many ways can a committee of 5 members be selected from 6 men and 5 women consisting of 3 men and 2 women?

[3]**Ans: 200**

- c. From a pack of 52 cards, one card is drawn at random. What is the probability that the card drawn is a king or heart?

[3]**Ans: $\frac{9}{13}$** *****The End*****

Subject: Mathematics (Sub. Code: 0071)
Grade: XI F.M.:75
Set-I

Attempt All Questions:

Group-A
Rewrite the correct option in your answer sheet
[11x1=11]

- Which of the following is a statement?
 - 2 is a rational number
 - e is an irrational number.
 - $2x + 4 = 0$.
 - all polynomial functions are continuous
- The value of $\sqrt{-16} \times \sqrt{-25}$ is
 - 20
 - 20i
 - 20i
 - 20
- The roots of the equation $2x^2 - 8x + 8 = 0$ has ...
 - real, rational and unequal roots
 - real, rational and equal
 - imaginary and unequal
 - real irrational and unequal
- Which of the following is empty set?
 - ϕ
 - 0
 - $\{\phi\}$
 - $\{1\}$
- A pair of line of the equation $x^2 - 5xy + 4y^2 = 0$ are?
 - $x - 4y = 0$ & $x - y = 0$
 - $x + 4y = 0$ & $x - y = 0$
 - $x - 4y = 0$ & $x + y = 0$
 - $x + 4y = 0$ & $x + y = 0$
- If l, m, n are direction cosines of a line in a space, then
 - $l^2 + m^2 + n^2 = 0$
 - $l^2 + m^2 + n^2 = 1$
 - $l^2 + m^2 + n^2 = -1$
 - $l + m + n = 1$
- A mathematical problem is given to three students Sumit, Sujan and Rakesh whose chance of solving it are $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{a}$ respectively. The probability that the problem is solved is $\frac{3}{4}$. The possible values of 'a' are.
 - $\frac{9}{2}$
 - 4
 - $\frac{1}{4}$
 - $\frac{1}{8}$
- $\lim_{\theta \rightarrow 0} \frac{\sin \theta}{\theta}$ is equal to...
 - 0
 - ∞
 - 1
 - $\frac{0}{0}$
- The derivatives of $\frac{4x^2+3}{3x^2-2}$ is
 - $\frac{-34x}{(3x^2-2)^2}$
 - $\frac{30x^2}{3x^2-2}$
 - $\frac{-32x}{(3x^2-2)^3}$
 - $\frac{-31x}{(3x-2)^2}$
- The function $f(x) = 2^x$ is ...
 - always increasing
 - always decreasing
 - Concave down
 - all of above
- Anti-derivatives of $\sin^2 x$ is ...
 - $\cos^2 x + c$
 - $\sin 2x + c$
 - $\frac{1}{2} \left(x + \frac{\sin 2x}{2} \right) + c$
 - $\frac{1}{2} \left(x - \frac{\sin 2x}{2} \right) + c$

Group-B**Attempt all questions****[8×5=40]**

12. a. Define one to one and onto function. Show that $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = |x - 1|$ is neither one-one nor onto function. **[3]**
 b. Find domain and range of the function. $f(x) = -\sqrt{-x}$ **[2]**
[Ans: $d(f) = (-\infty, 0)$, Range = $(-\infty, 0)$]
13. a. Can a negative number be a geometric mean between two positive numbers. Justify it by an example. **[Ans: No] [2]**
 b. Define symmetric difference of set A and B. For any two subsets of universal sets A and B, prove that:
 $A \Delta B = (A \cup B) - (A \cap B)$ **[3]**
14. a. State **fundamental theorem of algebra**. Find the condition that equations $ax^2 + bx + c = 0$ and $a'x^2 + b'x + c' = 0$ may have a root common. **[Ans: $(bc' - b'c)(ab' - a'b) = (ca' - c'a)^2$] [3]**
 b. Express $\vec{r} = (4, 7)$ as the linear combination of $\vec{a} = (5, -4)$ and $\vec{b} = (-2, 5)$. **[Ans: $\vec{r} = 2\vec{a} + 3\vec{b}$] [2]**
15. Write the condition that sum to infinity of the geometric series can be applied. If A be the A.M. and H, the H.M. between two quantities a and b, show that $\frac{a-A}{a-H} \times \frac{b-A}{b-H} = \frac{A}{H}$ **[1+4]**
16. Define skewness and Calculate the Personian coefficient of Skewness for the data below.

Class	0-10	10-20	20-30	30-40	40-50
No of workers	2	9	10	7	2

[Ans: $S_k(P) = 0.33$]

16. Define different types of discontinuity of a function. Also write the condition for increasing, decreasing and concavity of function. **[2+3]**

[Ans: For increasing and decreasing $f'(x) > 0$ and $f'(x) < 0$ resp.**And $f''(x) > 0$ and $f''(x) < 0$, concave up and** **$f'(x) > 0$ and $f''(x) < 0$ concave down**

17. Evaluate: a) $\int \frac{x^2 dx}{\sqrt{a^2 - x^2}}$ b) $\int x \ln x dx$
[Ans: a) $\frac{a^2}{2} \sin^{-1} \frac{x}{a} - \frac{x}{2} \sqrt{a^2 - x^2} + c$ b) $\frac{x^2}{4} (2 \ln x - 1) + c$]
18. a. Given that the gradient of the curve $y = x^3 + ax^2 + bx + 3$ is zero when $x = 1$ and when $x = 6$, find the value of a and the value of b. **[Ans: a = 10.5 and b = 18]**
 b. Find dy/dx if $y = 2\theta - \tan\theta$, $x = \tan\theta$ **[Ans: $\cos 2\theta$] [3+2]**
19. a. Find the point where the line joining the points $(1, 2, 3)$ and $(4, -4, 9)$ meets zx -plane. **[Ans: $(2, 0, 5)$]**
 b. Find the equation of the bisector of the angle between the lines $3x - 2y = 5$ and $6x + 2y + 15 = 0$ which contains origin. **[Ans: $12x + 15 = 0$]**

Group-C

Attempt all questions

[8×3=24]

20. a. Define absolute value of complex number. Interpret it geometrically. [2]
- b. Find the argument of $z = -1 - i$. [Ans: 225°] [2]
- c. Prove that:
- $$\begin{vmatrix} a+b+2c & a & b \\ c & b+c+2a & b \\ c & a & c+a+2b \end{vmatrix} = 2(a+b+c)^3 \quad [4]$$
21. The single equation of pair of lines is $2x^2+3xy+y^2+5x+2y-3=0$
- a. Find the equation of pair of straight lines represented by the single equation. [4]
- [Ans: $x + y + 3 = 0$ and $2x + y - 1 = 0$]
- b. Are the pair of lines represented by the given equation passes through origin? Write with reason. [1]
- [Ans: NO, as origin do not satisfy the eqns]
- c. Find the point of intersection of the pair of lines. [2]
- [Ans: (4, -7)]
- d. Define coplanar and non-coplanar vectors. [1]
22. a. Distinguish between derivative and anti-derivative of a function. Write the geometrical meanings and illustrate with example in your context. Find, the differential coefficient of $\sqrt{\sin x}$ [1+2+2]
- [Ans: $\frac{\cos x}{2\sqrt{\sin x}}$]
- b. Find the area bounded by the x-axis, the curve $x = at^2, y = 2at$ and the ordinates corresponding to $t = 0$, to $t = 1$. [3]
- [Ans: 4/3 sq. units]

Set-II

Attempt All Questions:

Group-A

Rewrite the correct option in your answer sheet

[11×1=11]

1. The disjunction of p and q is If at least one of p and q is ...; otherwise it is false.
- a. true, false. b. false, true.
- c. true, true d. false, false
2. The value of $\frac{1}{i} + \frac{1}{i^2} + \frac{1}{i^3} + \frac{1}{i^4}$ is...
- a. 1 b. -1
- c. i d. 0
3. The quadratic equation whose roots are the squares of the roots of $4x^2 + 8x - 5 = 0$ is...
- a. $16x^2 + 64x + 25 = 0$ b. $16x^2 + 104x + 25 = 0$,
- c. $16x^2 - 104x + 25 = 0$ d. $16x^2 + 64x - 25 = 0$

4. The domain of the function $f(x) = \sqrt{x}$ is...
- $(-\infty, \infty)$
 - $(0, \infty)$
 - $[0, \infty)$
 - $\mathbb{R} - \{0\}$
5. Which of the following function is symmetric about y-axis... ?
- $y = x^2$
 - $x = y^2$
 - $y = \sin x$
 - all of above
6. If the position vectors of M and N are $3\vec{i} + \vec{j} - 3\vec{k}$ and $4\vec{i} - 2\vec{j} + \vec{k}$ respectively, then direction cosines of \vec{MN} are ...?
- $\frac{-1}{\sqrt{26}}, \frac{-3}{\sqrt{26}}, \frac{4}{\sqrt{26}}$
 - $\frac{1}{\sqrt{26}}, \frac{-3}{\sqrt{26}}, \frac{4}{\sqrt{26}}$
 - $\frac{1}{\sqrt{26}}, \frac{-3}{\sqrt{26}}, \frac{-4}{\sqrt{26}}$
 - $\frac{1}{\sqrt{26}}, \frac{3}{\sqrt{26}}, \frac{4}{\sqrt{26}}$
7. If A and B are two square matrices of same order such that $AB = BA = I$, then ...
- $A^{-1} = B$
 - $B^{-1} = A$
 - $A^{-1} = B$ and $B^{-1} = A$
 - all of above
7. What is the probability that there will be 5 Saturdays in the month of April?
- $\frac{5}{30}$
 - $\frac{3}{7}$
 - $\frac{2}{7}$
 - $\frac{1}{7}$
8. A function $y = f(x)$ is continuous at point $x = a$ if....
- Limit exists at point $x = a$
 - Functional value exists at $x = a$
 - Both a and b holds
 - Boths (a) & (b) holds and equal
9. Anti-derivatives of $\operatorname{cosec} x$ is
- $\ln(\operatorname{cosec} x - \cot x) + c$
 - $\ln\left(\tan \frac{x}{2}\right) + C$
 - Both a and b
 - $-\operatorname{cosec} x \cdot \cot x + c$
11. The derivatives of $y = \frac{1 - \tan x}{\sec x}$ is ...
- $\sin x - \cos x$
 - $-\sin x - \cos x$
 - $\sin x + \cos x$
 - $\tan x$

Group-B

Attempt all questions

[8x5=40]

12. Define domain and range of a function. Find domain and range of function $f(x) = \sqrt{21 - 4x - x^2}$

Ans: Domain = $[-7, 3]$ and Range = $[0, 5]$

13. Prove that A.M, G.M and H.M between any two unequal positive numbers satisfy the following relations:

$$(i) G.M^2 = A.M \times H.M \quad (ii) A.M > G.M > H.M$$

[2+3]

14. a. If $U = (-\infty, \infty)$, $A = (-1, 3]$, and $B = [0, 5)$, find $A \cup B$, $A \cap B$, $A - B$, $B - A$, \bar{A}

Ans: $(-1, 5)$, $[0, 3]$, $(-1, 3)$, $(-\infty, -1] \cup (3, \infty)$

[3]

- b. Find the value of λ so that three points with the position vectors. $-2\vec{i} + 3\vec{j} + \lambda\vec{k}$, $\vec{i} + 2\vec{j} + 3\vec{k}$ and $7\vec{i} - \vec{k}$ are collinear.

[2]

Ans: $\lambda = 5$

15. If $xyz + 1 = 0$, prove that: $\begin{vmatrix} x & x^2 & 1+x^3 \\ y & y^2 & 1+y^3 \\ z & z^2 & 1+z^3 \end{vmatrix} = 0$

16. Following table gives the distribution of daily wage in a company

Wages (Rs.)	0-100	100-200	200-300	300-400	400-500
No. of workers:	8	16	30	20	6

Calculate coefficient of skewness.

Ans: Not symmetrical, Sk(P) = - 0.01

17. List the criteria for the local maxima and minima of a function.

Find the local maxima and minima of the function $f(x) = 4x^3 - 6x^2 - 9x + 1$.

Ans: Max = 7/2 at x = -1/2 and Min = -25/2 at x = 3/2

18. Integrate: $\int \frac{a+x}{a-x} dx$

Ans: $a \sin^{-1} \frac{x}{a} - \sqrt{a^2 - x^2} + c$.

19. In which condition roots of the equation $ax^2 + bx + c = 0$ are real and distinct? If the roots of the equation $ax^2 + cx + c = 0$ are in the ratio p:q,

then show that $\sqrt{\frac{p}{q}} + \sqrt{\frac{q}{p}} + \sqrt{\frac{c}{a}} = 0$.

[1+4]

Group-C

Attempt all questions

[8×3=24]

20. a. Define absolute value of a complex number.

b. Write any four properties of conjugate of complex number

c. Find the square root of $-5 + 12i$

Ans: $\pm(3 - 2i)$

d. The projections of a line on the axes are 6, 2, 3. Find the length of a line and its direction cosines.

Ans: $L = \frac{3}{7}, \frac{6}{7}, \frac{2}{7}, \frac{3}{7}$

21. a. Write three standard forms of equation of a line. Find the distance between two parallel lines $2x - 5y = 6$, $6x - 15y + 11 = 0$

[4]

Ans: $\frac{29}{\sqrt{261}}$

b. Prove that the straight lines joining the origin to the point of intersection of the line $\frac{x}{a} + \frac{y}{b} = 1$ and the curve $x^2 + y^2 = c^2$ are right angles if $\frac{1}{a^2} + \frac{1}{b^2} = \frac{2}{c^2}$

[4]

22. a. Find from first principle derivative of: $\sqrt{\tan 2x}$

[4]

Ans: $\frac{\sec^2 2x}{\sqrt{\tan 2x}}$

b. Find the area between two curves $y^2 = 4ax$ and $x^2 = 4ay$

[4]

Ans: $\frac{16}{3}a^2 Sq. units$

Set-III

Attempt **All** Questions:

Group-A

Rewrite the correct option in your answer sheet

[11x1=11]

1. Contrapositive of the statement “ If 4 is an even number, then 5 is not an even number.” is ...
 - a. If 4 is not an even number, then 5 is an even number.
 - b. If 5 is an even number, then 4 is an even number.
 - c. If 5 is an even number, then 4 is not an even number.
 - d. If 5 is not an even number, then 4 is not an even number.
2. The imaginary part of $\frac{1}{-5i}$ is...
 - a. $-\frac{1}{5}$
 - b. 0
 - c. $\frac{1}{5}$
 - d. 5
3. The statement $x \notin (A - B)$ implies ...
 - a. $x \notin A \vee x \notin B$
 - b. $x \notin A \wedge x \notin B$
 - c. $x \notin A \vee x \in B$
 - d. $x \notin A \wedge x \in B$
4. The domain of $y = x^2$ is
 - a. $[0, \infty)$
 - b. $(-\infty, \infty)$
 - c. $[2, \infty)$
 - d. $(0, \infty)$
5. The roots of the equations $x^2 - kx + 4 = 0$ are real and equal when $k =$
 - a. 2
 - b. 3
 - c. ± 4
 - d. 5
6. For what value of m is the pair of vectors $3\vec{i} + \vec{j} - \vec{k}$ and $m\vec{i} - 4\vec{j} + 4\vec{k}$ collinear?
 - a. 1
 - b. -12
 - c. 12
 - d. 6
7. If α, β and γ be the angles which a line makes with the co-ordinates axes, then
 - a. $\sin^2 \alpha + \cos^2 \beta + \sin^2 \gamma = 1$
 - b. $\cos^2 \alpha + \cos^2 \beta + \cos^2 \gamma = 1$
 - c. $\sin^2 \alpha + \sin^2 \beta + \sin^2 \gamma = 1$
 - d. $\cos^2 \alpha + \cos^2 \beta + \cos^2 \gamma = 2$
8. A can solve 80% of the problems given in a book while B can solve 60%. What is the probability that at least one of them will solve a problem selected at random from the book?
 - a. $\frac{23}{25}$
 - b. $\frac{12}{25}$
 - c. $\frac{6}{25}$
 - d. $\frac{10}{25}$
9. $\lim_{x \rightarrow a} \frac{x^n - a^n}{x - a} = n a^{n-1}$ holds when n is...
 - a. a rational number
 - b. A whole number
 - c. A real number
 - d. an integer
10. Anti-derivatives of $\ln x$ is
 - a. $\frac{1}{x} + c$
 - b. $x \ln x - x + c$
 - c. $x \ln x + c$
 - d. $\ln x - x + c$

11. The derivatives of $f(x) = \frac{1}{x}$ is

- a. 0
b. 1
c. $\frac{1}{x^2}$
d. $-\frac{1}{x^2}$

Group-B

Attempt all questions

[8x5=40]

12. Define one-one and onto function with an example each. Let a function $f: A \rightarrow B$ be defined by $f(x) = \frac{x+1}{2x-1}$, with $A = \{-1, 0, 1, 2, 3, 4\}$ and $B = \{-1, 0, 4/5, 5/7, 1, 2, 3\}$. Find the range of f . Is the function f one to one and onto both? If not, how can be made one-one and onto both?

[Ans: $R(f) = \{-1, 0, 4/5, 5/7, 1, 2\}$, No, one-one only]

13. a. If a, b, c are in G.P., a, x, b are in A.P. and b, y, c are in A.P. prove that: $\frac{1}{x} + \frac{1}{y} = \frac{2}{b}$.

b. If $|x| < 1$, $y = x + x^2 + x^3 + \dots$, to ∞ , prove that $x = \frac{y}{1+y}$ **[3+2]**

14. a. Find the converse, inverse and contrapositive of the following compound statement: "**if $a > b$ then $a - b > 0$** ". Also, express each of them in the symbolic form: **[3]**

Ans: symbolic form: p: $a > b$ and q: $a - b > 0$. Write remaining answers yourselves.

b. Express $\vec{r} = (8, -5)$ as the linear combination of $\vec{a} = (2, -3)$ and $\vec{b} = (-1, -2)$. **[2]**

Ans: $\vec{r} = 3\vec{a} - 2\vec{b}$

15. Write the condition that quadratic equation will have

- roots equal in magnitude but opposite sign,
- reciprocal roots
- one root zero
- both root zero.

Also form the quadratic equation whose one root is $2 + \sqrt{3}$

[Ans: $x^2 - 4x + 1 = 0$]

16. Sarupya obtained samples of CFL bulbs from two suppliers. He got the samples tested in his laboratory for the lengths of the life. The results of the test are as given below:

Length of the life (in Hrs)	No. of bulbs	
	Supplier A	Supplier B
400 – 500	8	6
500 – 600	20	24
600 – 700	16	12
700 – 800	6	8

Which supplier's bulb shows greater variability in the length of the life?

Ans: $CV(A) < CV(B)$ so B has greater variability

17. a. Does the function $f(x) = x^4$ have any point of inflection **[2]**

b. Show that the maximum value is less than the minimum value in the function $f(x) = x + \frac{16}{x}$ **[3]**

18. Integrate: $\int_0^{\frac{\pi}{4}} \tan^3 x \, dx$ **Ans: $\frac{1}{2}(1 - \ln 2)$**
19. In what condition limit of a function exists? Evaluate:
 a) $\lim_{n \rightarrow \infty} \frac{1+2+3+\dots+n}{2n^2}$ b) $\lim_{x \rightarrow 1} \frac{x - \sqrt{2-x^2}}{2x - \sqrt{2+2x^2}}$ **[Ans: a) 1/4, b) 2]**

Group-C

Attempt all questions

[8×3=24]

20. a. Define conjugate of complex number with example. If w and z are any two complex numbers then prove that $|w+z| \leq |w| + |z|$. **[1+4]**
 b. If $x - iy = \sqrt{\frac{1-i}{1+i}}$, prove that $x^2 + y^2 = 1$ **[3]**
21. a. Determine the equations of the bisectors of the angles between the lines $3x - 2y + 1 = 0$ and $18x + y - 5 = 0$. Identify the bisector of the acute angle. **[4]**
Ans: $11x - 3y = 0$ and $3x + 11y - 10 = 0$, $11x - 3y = 0$ containing origin.
 b. Find the angle between the lines whose direction cosines l, m, n satisfies the equation $l + m + n = 0, 2lm - mn + 2nl = 0$. **[4]**
Ans: 60°
22. a. Find by first principle derivative of: $\sqrt{\tan x}$ **[4]**
Ans: $\frac{1}{2\sqrt{\tan x}} \sec^2 x$
 b. Using integration. Find the area of the curve: $x^2 + y^2 = a^2$. **[4]**
Ans: $\pi a^2 \text{ Sq. units}$

Set-IV

Attempt All Questions:

Group-A

Rewrite the correct option in your answer sheet

[11×1=11]

1. Which of the following function is even?
 a) $f(x) = x^2$ b) $f(x) = x^2 + \cos x + 2$
 c) $f(x) = \frac{1}{2}(e^x + e^{-x})$ d) all of above
2. If a, b, c are G.P. then $\log a, \log b, \log c$ are in ...
 a) A.P. b) G.P.
 c) H.P. d) None
3. The statement $x \notin (A \cup B)$ implies ...
 a. $x \notin A \vee x \notin B$ b. $x \notin A \wedge x \notin B$
 c. $x \notin A \vee x \in B$ d. $x \notin A \wedge x \in B$
4. For what value of m is the pair of vectors $3\vec{i} + \vec{j} - \vec{k}$ and $m\vec{i} + 4\vec{j} + 4\vec{k}$
 a) 1 b) -12
 c) 12 d) 6
5. The roots of the equation $ax^2 + bx + c = 0$ are rational if
 a) a, b, c are rational and $(b^2 - 4ac)$ is perfect square
 b) $b^2 - 4ac = 0$
 c) $b^2 - 4ac < 0$
 d) $b^2 - 4ac \geq 0$

6. For specifying a straight line, how many geometrical parameters should be known?
 - a) 1
 - b) 2
 - c) 3
 - d) 4
7. If A and B are two independent events with $P(A) = 2/3$, $P(B) = 3/5$, then $P(A \cup B)$ equals.....
 - a) 19/15
 - b) 2/15
 - c) 11/15
 - d) 13/15
8. For what value of x will the function $f(x) = x - x^2$ has its maximum value?
 - a) -1/2
 - b) 1/2
 - c) 1
 - d) -1
9. The value of $\lim_{x \rightarrow 1^+} \frac{|x-1|}{(x-1)}$ is equal to
 - a) -1
 - b) 1
 - c) 2
 - d) $\frac{1}{2}$
10. while evaluating $\int_0^2 (2x - 1)dx$, $h = 1/2$, then number of end-points in the trapezoidal rule is...
 - a) 2
 - b) 3
 - c) 4
 - d) 5
11. A square matrix A is called singular if
 - a) $|A| = 1$
 - b) $|A| \neq 1$
 - c) $|A| = 0$
 - d) $|A| \neq 0$

Group – B

Attempt all questions

[8×5=40]

12. a) Prove that $\begin{vmatrix} 1 & 1 & 1 \\ a & b & c \\ bc & ca & ab \end{vmatrix} = (a-b)(b-c)(c-a)$ [2]
 b) Define tautology. if p and q be the statements, prove that $(p \Rightarrow q) \wedge (q \Rightarrow r) \Rightarrow (p \Rightarrow r)$ is a tautology. [3]
13. a) Find the square root of $-5 + 12i$ Ans: $\pm(2 + 3i)$ [3]
 b) If $x = \frac{1}{1+y}$, $y > 0$, prove that $x + x^2 + x^3 + \dots$ to $\infty = \frac{1}{y}$ [2]
14. Find the direction cosines of two lines which satisfy the relations $2l + 2m - n = 0$ and $lm + mn + nl = 0$
 Also find the angle between the two lines Ans: $\frac{1}{3}, \frac{2}{3}, \frac{-2}{3}$ and $\frac{2}{3}, \frac{1}{3}, \frac{2}{3}$
15. a) In a certain distribution, if the difference of two quartiles is 25, their sum is 83 and median is 44, find the coefficient of skewness. Ans: 0.8 [1]
 b) Following are information about the marks of two students A and B

	A	B
Average marks	84	92
Variance of marks	16	25

Examine who has got uniform marks? Ans: A [2.5]

- c) Two coins are tossed once. Find the sample space, find the probability of getting **at least one tail**. [1.5]
16. a) Evaluate: $\lim_{x \rightarrow a} \frac{x \cot x - a \cot a}{x - a}$ **Ans: $\cot a + a \operatorname{cosec}^2 a$** [3]
b) Prove that: $\tan^{-1} 1 + \tan^{-1} 2 + \tan^{-1} 3 = 2 (\tan^{-1} 1 + \tan^{-1} 1/2 + \tan^{-1} 1/3) = \pi/3$ [2]
17. a) Integrate: $\int \sec^3 x dx$ [3]
Ans: $\frac{1}{2} [\sec x + \tan x + \ln \sec x + \tan x + c$
b) find $\frac{dy}{dx}$ if $x = a(\cos t + t \sin t)$, $y = a(\sin t - t \cos t)$ [Ans: $\tan t$] [2]
18. a) Apply the method of **successive bisection** to find the root of the equation $e^x - 2x - 1 = 0$ correct to 2 places of decimals within accuracy of 10^{-2} . [3]
b) Using Simpson's rule, evaluate $\int_0^1 \frac{dx}{1+x}$, $n = 4$ [2]
19. a) State **fundamental theorem of algebra**, If one root of the equation $x^2 - px + q = 0$ be twice the other, show that $2p^2 = 9q$ [2]
b) Define **linearly dependent and linearly independent** vectors. Find the value of λ if vectors $\vec{i} + 2\vec{j} + 3\vec{k}$, $-2\vec{i} + 3\vec{j} - \vec{k}$ and $3\vec{i} - \vec{j} + \lambda\vec{k}$ are coplanar. [3]

Group – C

Attempt all questions

[5×8=40]

20. Given $f: \mathbb{R} \rightarrow \mathbb{R}$ is defined by $f(x) = x^2 - 4x + 3$
a) Show that f is **not one-one**. [1]
b) Find the range of the function. [2]
c) Sketch the graph of function indicating its main characteristics. [3]
d) If domain is restricted to $[2, \infty)$, then can you make it bijective, give reason. [1]
e) Solve $x^2 - 4x + 3 \geq 0$ from your graph. [1]
21. Given $2x^2 + 3xy + y^2 + 5x + 2y - 3 = 0$.
a) Prove that above equation represents a pair of lines. [2]
b) Find the equation of the two lines represented by the above equation. [2]
Ans: $x + y = 1$ and $x + 2y = -6$
c) Find their point of intersection. **Ans: (8, -7)** [2]
d) Find the angle between them. **Ans: $\tan^{-1} \left(\frac{3}{4} \right)$** [2]
22. Given $f(x) = 3x^2 - 6x + 4$
a) Find by first principle derivative of $f(x)$. [2]
b) Find the interval in which $f(x)$ is increasing or decreasing. [2]
c) Find the absolute maxima and minima of $f(x)$ on $[-1, 2]$. [2]
d) Find the area enclosed by the axis of x and $f(x)$ and ordinates $x = 0$ and $x = 1$, using integration. [2]
Ans: a) $6x - 6$
b) increasing on $(1, \infty)$ and decreasing $(-\infty, 1)$
c) Abs.. max = 13 and Abs min = 1
d) 2. sq. units

The End