

Half Yearly Examination 2025 – 2026**Time - 3:00 Hrs.****M.M. 80****General Instructions:**

Read the following instructions very carefully and strictly follow them:

1. This question paper has 13 questions are compulsory.
2. This question paper contains three sections:
Section A : Reading Skills Section B : Creative Writing Skills SectionC : Literature.
3. Attempt all questions based on specific instructions for each part. Write the correct question number and part thereof in your answer sheet.
4. Separate instructions are given with each question/ part , wherever necessary.
5. Adhere to the prescribed word limit while answering the questions.

SECTION – A READING SKILLS (22 MARKS)

Q.1 Read the following passage carefully :

12

1. The name of Florence Nightingale lives in the memory of the world by virtue of the lurid and heroic adventure of the Crimea. Had she died — as she nearly did — upon her return to England, her reputation would hardly have been different; her legend would have come down to us almost as we know it today — that gentle vision of female virtue which first took shape before the adoring eyes of the sick soldiers at Scutari. Yet, as a matter of fact, she lived for more than half a century after the Crimean War; and during the greater part of that long period all the energy and all the devotion of her extraordinary nature were working at their highest pitch. What she accomplished in those years of unknown labour could, indeed, hardly have been more glorious than her Crimean triumphs; but it was certainly more important. The true history was far stranger even than the myth. In Miss Nightingale's own eyes the adventure of the Crimea was a mere incident—scarcely more than a useful stepping-stone in her career. It was the fulcrum with which she hoped to move the world; but it was only the fulcrum. For more than a generation, she was to sit in secret, working her lever: and her real life began at the very moment when, in the popular imagination, it had ended.
2. She arrived in England in a shattered state of health. The hardships and the ceaseless efforts of the last two years had undermined her nervous system; her heart was pronounced to be affected; she suffered constantly from fainting-fits and terrible attacks of utter physical prostration. The doctors declared that one thing alone would save her—a complete and prolonged rest. But that was also the one thing with which she would have nothing to do. She had never been in the habit of resting; why should she begin now? Now, when her opportunity had come at last; now, when the iron was hot, and it was time to strike? No; she had work to do; and, come what might, she would do it. The doctors protested in vain; in vain her family lamented and entreated, in vain her friends pointed out to her the madness of such a course. Madness? Mad — possessed perhaps she was. A demoniac frenzy had seized upon her, As she lay upon her sofa, gasping, she devoured dictated letters, and, in the intervals of her palpitations, cracked her febrile jokes. For months at a stretch she never left her bed. For years she was in daily expectation of death. But, she would not rest. At this rate, the doctors assured her, even if she did not die, she would become an invalid for life, She could not help that; there was the work to be done; and, as for rest, very likely she might rest . . . when she had done it.

3. Wherever she went, in London or in the country, the in the hills of Derbyshire, among the rhododendrons at Embley, she was haunted by a ghost. It was the spectre of Scutari – the hideous vision of the organization of a military hospital. She would lay that phantom, or she would perish. The whole system of the Army Medical Department, the education of the Medical Officer, the regulations of hospital procedure rest? How could she rest while these things were as they were, while, if the like necessity were to arise again, the like results would follow? And, even in peace and at home, what was the sanitary condition of the Army? The mortality in the barracks was, she found, nearly double the mortality in civil life. "You might as well take 1,100 men year out upon Salisbury Plain and shoot them," she said. After inspecting the hospitals at Chatham, she smiled grimly. "Yes, this is one more symptom of the system which, in the Crimea, put to death 16,000 men." Scutari had given her knowledge; and it had given her power too: her enormous reputation was at her back—an incalculable force. Other work, other duties, might lie before her; but the most urgent, the most obvious of all was to look to the health of the Army.
4. One of her very first steps was to take advantage of the invitation which Queen Victoria had sent her to the Crimea, together with the commemorative brooch. Within a few weeks of her return, she visited Balmoral, and had several interviews both with the Queen and the Prince Consort. "She put before us," wrote the Prince in his diary, "all the defects of our present military hospital system and the reforms that are needed." She related the whole story of her experiences in the East; and, in addition, she managed to have some long and confidential talks with His Royal Highness on metaphysics and religion. The impression which she created was excellent. "We like her very much," noted the Prince, "She is very modest." Her Majesty's comment was different—"Such a head! I wish we had her at the War Office."
5. But Miss Nightingale was not at the War Office, and for a very simple reason: she was a woman. Lord Panmure, however, was (though indeed the reason for that was not quite so simple); and it was upon Lord Panmure that the issue of Miss Nightingale's efforts for reform must primarily depend. That burly Scottish nobleman had not, in spite of his most earnest endeavours, had a very easy time of it as Secretary of State for War. He had come into office in the middle of the Sebastopol campaign, and had felt himself very well fitted for the position, since he had acquired in former days an inside knowledge of the Army—as a Captain of Hussars.

Answer the following questions, based on the given passage.

1. The word 'lurid' in the first paragraph most likely means ----- **1**
 (a) righteous (b) ineluctable (c) effervescent (d) . grisly
2. According to the first paragraph, when compared with Florence Nightingale's work in the Crimea, the work done during the last fifty years of her life was all of the following EXCEPT----- **1**
 (a) more significant (b) less onerous (c) less sensational (d) more obscure
3. According to paragraph 1, how did Florence Nightingale see her adventure of the Crimea? **2**
4. Based on your reading of the second paragraph, how would you describe Florence Nightingale's condition after returning to England? **1**
 (a) Psychologically shattered (b) Physically fragile but mentally indefatigable
 (c) Obstinate and petulant (d) Resolute yet cumbersome
5. All of the following statements about Florence Nightingale are true EXCEPT _____. **1**
 (a) she was regarded as the epitome of moral rectitude
 (b) she was promoted to a position at the War Office by Queen Victoria
 (c) she did not return from her Crimean adventure unscathed
 (d) she considered her Crimean adventure to be enormously important

6. Read and complete the sentence suitably : 1
 The phrase "shattered state of health- refers to the miserable health of Florence Nightingale. Choose the correction response from the options to complete the sentence.
 The statement was a result of ----- .
 (a) Nightingale's continuous effort of the past two years.
 (b) environmental changes affecting the health of the people due to the crimean war.
7. The string of questions in the second and third paragraphs are ----- . 1
 (a) a rhetorical device used to transcribe miss Nightingale's thought process
 (b) Miss Nightingale's replies to a corporeal questioner
 (c) Miss Nightingale wrestling with her own conscience
 (d) an oratorical device used to convey the author's own feelings through the figure of Miss Nightingale.
8. Complete the analogy with ONE word from paragraph-2. 1
hardship : impediment : : exhaustion :
 (a) prolonged (b) prostration (c) remuneration (d) recompense
9. Provide evidence from the text in about 40 words to support the view that Nightingale's statement in the paragraph 3 is designed to highlight the enervating conditions of ordinary soldiers. 2
10. Which of the following statements is true? 1
 (a) Miss Nightingale would be a far more marginal historical figure if she had died upon her return from the Crimean war.
 (b) Miss Nightingale sought to exercise the apparition of the fatalities she witnessed in Scutari.
 (c) Lord Panmure expected to have an arduous time transitioning into his position as Secretary of State for war.
 (d) Lord Panmure was the contact point for Miss Nightingale's campaign for wholesale reform of the army.

- Q.2 Read the following passage given below : 10
1. In a rapidly changing world. transition from school to work has become more complex and challenging for young people, as finding employment is difficult for the youth. If academic studies may be an excellent path as successful career and lives, other types of education like 'Vocational education and training (VET) programmes are more than ever being emphasized by governments globally to support work-ready professionals with relevant on-the-job experience to match the needs of various industries.
2. According to the National Skill Development Corporation (NSDC), India aims to skill 400 Million people by 2025. Vocational training programmes, such as Industrial Training Institutes (ITIs) provide training in fields such as engineering, health care, hospitality, construction and more. According to NSDC estimates, to witness significant job creation. With the help of this training, opportunities for self-employment have been enhanced. As of July 2021, over 1.5 million candidates have been placed in various jobs after acquiring vocational training.
3. Vocational training programmes also encourage entrepreneurship by providing aspiring entrepreneurs with the knowledge and skills required to establish and operate their own businesses. The NSDC states that out of the 12 million people entering the workforce in India every year, only 4.5 million are skilled, highlighting the need for further vocational training initiatives. Vocational training plays a significant role in India by addressing the skill gap, improving employability, fostering entrepreneurship, and driving economic growth. This contributes to the nation's overall development and individual prosperity.

Answer the following questions, based on the above passage :

1. What are the problems faced by young people when they shift from the school to work? 1
(a) Finding employment (b) Transition (c) Loneliness (d) Social Anxiety
2. Why are governments promoting Vocational Education and training programme? 1
3. Infer why the National Skill Development Corporation of India has increased its efforts to skill 400 million people in 2025. Answer in about 40 words. 2
4. Share evidence from the text, in about 40 words, to support the view that vocational training improves self-employment. 2
5. Identify the entrepreneur from the three people who has acquired vocational training. 1
(a) Ravi: I am working as a carpenter and getting very high wages.
(b) Narian: I have acquired the skill of cooking and will work for an established hotel.
(c) Bani : After doing a course in fashion designing, I have opened my own boutique.
6. How does vocational training help in bridging the skill gap? 1
7. Complete the sentence appropriately. 1
The NSDC states that less than half the people entering the workforce in India are skilled so ---
----- .
8. State TRUE or FALSE : 1
The title 'Improve Your Skills, Gain Better Jobs' is appropriate for this passage.

SECTION – B CREATIVE WRITING SKILLS (18 MARKS)

- Q.3 Attempt **ANY ONE** of the two, (A) or (B), in about 50 words : **1x4=4**
- A.** Your school is organizing a talent search in music and dance. As Co-ordinator of cultural activities, draft a notice inviting the names of those who are interested in the competition. Also give other necessary details, to be placed on your school notice board. Sign as Uday/Vijaya of G.P Senior Secondary School, Agra.
- OR**
- B.** You are Babul/Bubbli of S.R.M. Vidyalaya, Agra. As Co-ordinator of Red Cross Society wing of your school, you propose to organise a one-day blood donation camp at your school. Draft a notice to be placed on your school notice board appealing to the students to motivate their parents and neighbours to participate in this noble cause.
- Q.4 Attempt **ANY ONE** of two, (A) or (B), in about 50 words : **1x4=4**
- A.** As the Principal of a reputed college, you have been invited to inaugurate a Book Exhibition in your neighbourhood. Draft a reply to the invitation in not more than 50 words, expressing your inability to attend the function You are Tarun/Tanvi.
- OR**
- B.** You are Manoj /Mini. You have been invited to attend a birthday party of your closest friend. Respond to this invitation.
- Q.5. Attempt **ANY ONE** of two, (A) or (B), in about 120-150 words. **1x5=5**
- A.** Read the advertisement given below and write a letter applying for the job. Also give your detailed resume to be sent along With the letter. You are Praveen Kumar of 95, HAL Colony, Bangalore.
- Applications are invited for the post of Junior Engineer. The candidate must have at least a diploma in Civil Engineering from a recognized institute. He should have at least 3 years experience of field work salary commensurate with qualification and experience. Apply to the Manager, Parsya Constructions Ltd. 24, Sector 10, Mysore, within 10 days, with detailed resume.

OR

- B.** You are Anu/ Arun, 13, W. E. A. Karol Bagh, New Delhi. You feel very strongly about the ill-treatment meted out to stray dogs at the hands of callous and indifferent people, Write a letter to the Editor of a national daily giving your views on why some people behave in such a manner and how these dogs should be treated.

Q.6 Attempt **ANY ONE** of two, (A) or (B), in about 120-150 words :

1x5=5

- A.** Teenage is commonly perceived as the most joyful period of an individual's life. Vidya who represents the teenagers of today feels that the pressure of the competitive world they live in has made teen years less exciting and expresses her ideas in an article entitled, 'On Being a Teenaged' for the 'Youth Times'.

OR

- B.** Alpha School recently organised a course in First Aid for students of senior classes. As Vivek of Class XII write a report on the programme giving necessary details for the school magazine. Write the report in 100-125 words.

SECTION – C LITERATURE (40 MARKS)

Q.7 Read the given extracts and answer the questions or **ANY ONE** of the given two, (A) or (B). **1x6=6**

Put that thought away and looked out at Young
Trees sprinting, the merry children spilling out of their homes.....

(i) Why did the poet look out of the moving car?

- (a) To enjoy the scenery (b) To put the distressing thoughts away
(c) To film the scenery. (d) To see whether it's raining or not

(ii) What did the poet see when she looked out of her car?

(iii) How do you know that the joyful scene didn't help her drive away the painful thoughts from her mind?

- (a) Again, at the airport, she was haunted by the same fear of losing her mother.
(b) She started praying.
(c) She started eating to forget her pain.
(d) She fell asleep immediately.

(iv) What are the merry children symbolic of?

- (a) Ageing (b) Exuberance of youth (c) Memories (d) Education

(v) Which literary device is used in the given line?

"looked out at young trees sprinting,"

(vi) State whether the given statement is **TRUE** or **FALSE** with reference to the extract.

The poet chose to look at the young children merrily enjoying life so that she won't have to say goodbye to her mother.

OR

- B.** 'Gainst the hot season; the mid forest brake,
Rich with a sprinkling of fair musk-rose blooms;
And such too is the grandeur of the dooms
We have imagined for the mighty dead;
All lovely tales that we have heard or read;
An endless fountain of immortal drink,
Pouring unto us from the heaven's brink...

(i) Based on the extract, complete the following analogy:

have heard : alliteration : : _____ : oxymoron

- (ii) Which of these best indicates the phrase 'mid forest brake'?
(a) mass of shrubs (b) hidden pond (c) Canopy of trees (d) sparkling stream
- (iii) According to the extract, which of these bring joy to human life?
(a) shady trees (b) delightful drinks (c) fragrant flowers
(d) changing seasons (e) enchanting stories
A. (a) and (c) B. (c) and (e) C. (a), (d) and (e) D. (b), (c) and (d)
- (iv) Complete the given sentence appropriately,
When the poet mentions 'an endless fountain of immortal drink', he refers to_____.
- (v) Based on the extract, choose the correct option with reference to the two statements given below.
(1) Beautiful things are blessings from the divine.
(2) Beauty is an outcome of imagination
(a) Only (1) can be inferred from the extract.
(b) Only (2) can be inferred from the extract.
(c) Both (1) and (2) can be inferred from the extract.
(d) Neither (1) nor (2) can be inferred from the extract.
- (vi) Which of these best describes the tone of the poet in the given extract?
(a) Nostalgic (b) Generous (c) Passionate (d) Contemplative

Q.8 Read the given extracts and answer the questions for **ANY ONE** of the given two (A) or (B). **4x1=4**

A. The dewan himself drove the car straight to the forest where the Maharaja was hunting. When they reached the forest, the tiger launched its satyagraha and refused to get out of the car. The dewan was thoroughly exhausted in his efforts to haul the beast out of the car and push it down to the ground. On the following day, the same old tiger wandered into the Maharaja's presence and stood as if in humble supplication, "Master, what do you command of me?" It was with boundless joy that the Maharaja took careful aim at the beast. The tiger fell in a crumpled heap.

- (i) According to the extract, how is the author's portrayal of the tiger different from real life?
- (ii) Which of these best describes the Maharaja and the Dewan, based on the extract?
(a) Dewan: gullible; Maharaja: narcissistic
(b) Dewan: conscientious; Maharaja: cruel
(c) Dewan: submissive; Maharaja: perceptive
(d) Dewan: unremarkable; Maharaja: unrealistic
- (iii) Which of these can be best used as a title for this extract?
(a) The Big cat (b) The Shrewd King
(c) The Tiger's Legacy (d) The Perils of Kingship
- (iv) In one sentence, explain what the author means when he says that 'the tiger launched its satyagraha'.

OR

B. "For a sun-worshipping South Indian like myself, two weeks in a place where 90 percent of the Earth's total ice volumes are stored is a chilling prospect." (not just for circulatory and metabolic functions, but also for the imagination). It's like walking into a giant ping-pong ball.

- (i) Who is the speaker of the given extract?
- (ii) Why did she say it?

- (iii) What did she mean by 'chilling prospect'?
 - (a) She meant she was happy.
 - (b) She meant she was thrilled.
 - (c) She meant the uncertainty and fear of being surrounded by ice.
 - (d) She meant a very interesting experience.
- (iv) How did she describe the place?
 - (a) It is a place untouched by humans and their inventions.
 - (b) It is a place filled with parks and malls.
 - (c) It is a place that is so joyous.
 - (d) It is a place filled with factories.

Q.9 Read the given extracts and answer the questions for **any one** of the given two, (A) or (B). **1x6=6**

- A.** No one can imagine how sad and monotonous life can appear to such a vagabond, who plods along the road, left to his own meditations. But one day this man had fallen into a line of thought, which really seemed to him entertaining. He had naturally been thinking of his rattraps when suddenly he was struck by the idea that the whole world about him — the whole world with its lands and seas, its cities and villages — was nothing but a big rattrap. It had never existed for any other purpose than to set baits for people.
- (i) According to the extract, which of these words best describes the man?
 - (a) reflective (b) impulsive (c) indifferent (d) simpleminded
 - (ii) Rewrite the given sentence after replacing the underlined phrase with its synonym. It had never existed for any other purpose than to set baits for people.
 - (iii) On the basis of the extract, choose the correct option with reference to the two statements given below.
 - (1) The world offers living beings a life full of pleasure.
 - (2) However, only compassionate people can enjoy those pleasures.
 - (a) (2) has been caused by (1).
 - (b) (2) is a hypothesis based on (1).
 - (c) (1) cannot be inferred from the extract but (2) can be.
 - (d) (1) can be inferred from the extract but (2) cannot be.
 - (iv) In one sentence, rationalise the given statement. It is challenging for others to be able to understand the despair of a vagabond's life.
 - (v) Replace the underlined word with its antonym from the extract. The man who thought that the world was a rattrap lived a life that was interesting.
 - (vi) The mood of the extract can be best described as _____.
 - (a) cautious (b) malicious (c) melancholic (d) apprehensive

OR

- B.** Unaware of what his name represents, he roams the streets with his friends, an army of barefoot boys who appear like the morning birds and

disappear at noon. Over the months, I have come to recognize each of them.

Why aren't you wearing chappals?" I ask one.

My mother did not bring them down from the shelf," he answers simply.

"Even if she did, he will throw them off ',' adds another who is wearing shoes that do not match.

When I comment on it, he shuffles his feet and says nothing. "I want shoes," says a third boy who has never owned a pair all his life. Travelling across the country I have seen children walking barefoot, in cities, on village roads. It is not lack of money but a tradition to stay barefoot, is one explanation.

- (i) What is the writer's purpose in allowing the boys to speak for themselves via dialogue, as opposed to only a writer's commentary ?

- (ii) The line, "It is not lack of money but a tradition to stay barefoot" can be best classified as:
 (a) fact (b) An opinion (c) A theme (d) A plot point
- (iii) Explain any one possible inference that can be drawn from the line, "an army of barefoot boys who appear like the morning birds and disappear at noon".
- (iv) Identify the line from the text that bears evidence to the fact that the writer's association with the boys is not a recent one.
- (v) Based on the context provided in the extract, select the most likely comment that the writer would have made, based on the boys reaction to the mismatched shoes.
 (a) "Why are your shoes mismatched? That's not a good look."
 (b) "Don't worry about your shoes, you can wear a matching pair later."
 (c) "I like your shoes. What matters is that they protect your feet ?"
 (d) "Have you chosen to mismatch your shoes?"
- (vi) Complete the sentence with ONE word.
 The phrase "he answers simply," suggests that the boy's response to the writer's question about why he wasn't wearing chappals was _____.

Q.10 Answers **Any Five** of the following six questions in 40-50 words each : **2x5=10**

- (i) How did Douglas struggle when he was thrown into the pool by the bully?
 (ii) Who did M.Hamel blame for the neglect of learning on the part of boys like Franz?
 (iii) What does Asokamitrans's narrative demonstrate about Subbu in Poets and Pancakes?
 (iv) What is the 'sadness' that the poet refer in the poem 'keeping quiet'?
 (v) What image does Keats use to describe the beautiful bounty of the earth?
 (vi) Why did the servants think Gandhiji to be another peasant?

Q.11 Answer **any two** of the following three questions in 40-50 words each- **2x2=4**

- (i) How did 'The World' help Charley to confirm his doubts regarding the existence of a third level?
 (ii) How did the Dewan manage to arrange the hundredth tiger for the Maharaja?
 (iii) What does the play 'on the face of it' suggest about the importance of empathy in overcoming prejudice and stereotypes?

Q.12 Answer **any one** of the following two in about 120-150 words- **1x5=5**

- (i) Write an essay on what could be a possible scenario where the bangle maker and the owner of the roadside stand encounter each other.
 (ii) Give an account of Gandhiji's efforts to secure justice for the poor Indigo share croppers of Champaran.

Q.13 Answer **any one** of the following two questions in about 120-150 words. **1x5=5**

In the story, 'The third level' by Jack Finney, Charley is obsessed with finding the third level. In an attempt to thrash out whether this obsession is a good quality or a harmful one, Charley's wife express her thoughts in a diary entry.

As, Louisa, Charley's wife, write this diary entry. Support your response with reference to the story. You may begin this way:

You have been married to Charley for a few years now and I have always known him to be an intelligent man with an imaginative mind. However, his recent obsession with finding the Third level has.....

OR

'Antarctica, because of her simple ecosystem and lack of biodiversity, is the perfect place to study how little changes in the environment can have big repercussions.' Explain how the study of Antarctica helps in understanding the history of our planet.

Roll No. _____

NLCS/12/Economics/80

Half Yearly Examination 2025 – 2026

Time - 3:00 Hrs.

M.M. 80

General Instructions:

1. This question contains two sections section A- Macro economics and section- B. Indian economic development .
2. This paper contains 34 questions, all questions are compulsory to attempt.
3. This paper contain 20 multiple-choice type question of one mark each from question no . 1 to 10 and 18 to 27.
4. This paper contains 4 short answer type questions of three marks each to be answered in 60 to 80 words from question no. 11-12 and 28-29 .
5. This paper contains 6 short answer type questions of 4 marks each to be answered in 80 to 100 words from question no. 13 to 15 and 30 to 32.
This paper contains 4 long answer type questions of 6 marks each to be answered in 100 to 150 words from question no. 16- 17 and 33 - 34 .
6. Attempt all parts of a question together.

SECTION – A
MACRO ECONOMICS

- Q.1 Economic agent includes :
- (a) Government (b) Consumer (c) Producers (d) All of these
- Q.2 A car running between Delhi and Agra at a speed of 120km/h includes
- (a) only stock variable (b) only flow variable (c) Both stock and flow variables (d) None of these
- Q.3 Which of the following leads to depreciation?
- (a) Normal wear and tear (b) Damages due to floods
(c) Damages due to market crash (d) None of these
- Q.4 **Assertion (A) :** Transfer income are not included in the estimation of national income.
Reason (R) : Transfer income are not earned as rewards for rendering factor services.
Alternatives-
- (a) Both assertion **(A)** and reason **(R)** are true and reason **(R)** is the correct explanation of assertion **(A)**.
(b) Both assertion **(A)** and reason **(R)** are true and reason **(R)** is not the correct explanation of these assertion **(A)**.
(c) Assertion **(A)** is true but reason **(R)** is false (d) Assertion **(A)** is false, but reason **(R)** is true.
- Q.5 Which of the following is not a transfer payment?
- (a) Interest on national debt (b) Retirement pension (c) old age pension (d) Donations
- Q.6 Compensation of employees includes :

- (a) wages and salaries in cash (b) wages and salaries in kind
(c) pension on retirement (d) All of these

- Q.7 In India, coins are issued by :
(a) SBI (b) RBI (c) Ministry of finance (d) Ministry of urban development.
- Q.8 Suppose primary deposits are **rupees** 2000 crore and reserve deposit ratio is 10%. The money created by commercial banks would be rupees _____ crore in the economy.
(a) 10,000 (b) 20,000 (c) 2000 (d) 1000
- Q.9 Which of the following is a direct tax?
(a) Income tax (b) Excise duty (c) Sales tax (d) custom duty
- Q.10 An Indian Company receives a loan from a company located abroad. This transaction would be recorded on the ----- side of ----- account in India's balance of payment.
(a) Credit, current (b) Debit, current (c) Credit Capital (d) Debit, capital
- Q.11 "The government generally levies higher goods and service tax (GST) on socially undesirable products like cigarettes, tobacco, liquor, etc. "Identify and explain indicated government budget objective in the above statement.

OR

Distinguish between direct tax and indirect tax with suitable examples.

- Q.12 Elaborate the concept of externalities with the help of suitable example.
- Q.13 Justify the following statements with valid arguments :
(a) Money supply, in an economy is an example of a stock variable. 2
(b) The central bank provides several banking services to the government. 2

OR

Discuss briefly the following credit control instruments:

- (a) Open market operation (b) Reverse repo rate

- Q.14 Explain the important forms of money.
- Q.15 Distinguish between Autonomous items and Accommodating items.
- Q.16 **(A)** on the basis of the data given below , estimate the value of gross national product at factor cost (GNP_{fc}) : 4

S.No.	Items	Amount
1.	Private final consumption expenditure	2000
2.	Government final consumption expenditure	1500
3.	Gross domestic fixed capital formation	1000
4.	Addition to stock	400
5.	Consumption of fixed capital formation	50
6.	Net factor income from abroad	100
7.	Net indirect taxes	200
8.	Net exports	700

- (b) Explain the concept of circular flow model.

2

OR

- (a) Gauhar , has recently completed her fashion designing studies and started a boutique, to produce dresses for sale. She purchased various materials, including a sewing machine, fabric, buttons and thread. These items are essential for producing the dresses. Classify the material purchased by Gauhar as final or intermediate goods, giving valid reasons in support of the classification.
- (b) “In a two sector closed economy, national income is always more than domestic income” **defend or refute** the given statement with reasons.

Q.17 Read the following text carefully and answer the questions on the basis of given text and common understanding :

Non-debt capital receipts mainly consist of recovery of loans and advances and disinvestment receipts. The share of recovery of loan has declined over the years. Following disintermediation (Removal of intermediate) of loan portion of Central assistance to states consequent to the recommendation of the twelfth finance commission and state allowed to borrow directly from the market. The budget for 2021 to 2022 has envisaged generation of rupees 1.88 lakh crore of non-debt capital receipt, comprising **rupees 1.75 lakh crore** of this disinvestment receipts. In order to minimize the presence of the government in the PSE's across all sectors of the economy, The government has adopted a new Disinvestment policy for Atmanirbhar Bharat in February 2021.

Source : economic survey , 2021 - 22.

- (a) Classify disinvestment receipts of rupees 1.75 lakh crore mentioned in the budget for 2021-22 as either revenue capital receipt. Justify your classification.
- (b) Sale of shares of public sector Enterprises is an example of revenue receipts. Is it true? Give reason.
- (c) Profit of public sector undertakings is an example of revenue receipt. Is it true? Give reasons.

SECTION – B

INDIAN ECONOMIC DEVELOPMENT

Q.18 Suez Canal was opened in :

- (a) 1867 (b) 1868 (c) 1869 (d) 1870

Q.19 Which industry of India got severely affected under the colonial rule?

- (a) Sugar industry (b) Iron and steel industry (c) Handicraft industry (d) Paper industry

Q.20 The first industrial policy resolution in independent India was introduced in the year ____.

- (a) 1947 (b) 1948 (c) 1951 (d) 1956

Q.21 Which of the following is not a goal of five-year plans?

- (a) Self Reliance (b) land ceiling (c) equity (d) Modernisation

Q.22 Which of the following is not an element of fiscal reforms?

- (a) Taxation reforms (b) Public expenditure Reforms

- (c) Change in interest rate (d) Control on public debt
- Q.23 External sector reforms under NEP included :
 (a) Foreign exchange reforms (b) foreign trade policy reforms
 (c) Both a and b (d) None of these

Q.24 **Alternatives**

- (a) Both assertion and reason are true and reason is the correct explanation of assertion.
 (b) Both assertion and reason are true and reason is not the correct explanation of these assertion.
 (c) Assertion is true but reason is false (d) Assertion is false, but reason is true.

Assertion (A) : Human capital cannot be traded in the market, whereas its services can be treated.

Reason (R) : Human capital is intangible in nature.

- Q.25 The principal lingering challenge in rural areas is :
 (a) Challenge of rural marketing (b) Challenge of rural credit (c) Both a and b (d) None of these
- Q.26 Which of the following is expected to improve to the marketing system?
 (a) Regulated markets (b) Improvement in transportation
 (c) Minimum support price (d) All of these
- Q.27 Which of the following organization is engaged in designing text material up to the senior secondary level?
 (a) UGC (b) AICTE (c) ICMR (d) NCERT
- Q.28 Comment upon any two salient features of demographic conditions of India on the eve of independence

OR

Comment upon any two salient features of foreign trade policy of India on the eve of Independence.

- Q.29 "The debate over farm subsidies in India is engraved at different platforms." Discuss any two arguments in favour of continuing farm subsidies.
- Q.30 Bring out the significance of organic farming in India.
- Q.31 (a) Define agriculture marketing.
 (b) Discuss briefly the importance of microcredit programs in rural development.
- Q.32 What are the main problems of human capital formation in India ?

OR

"Expenditure on on-the-job Training is an important means of human capital formation in an economy."

Give valid reasons to justify the given statement.

- Q.33 (a) State the three good effect of LPG policies on the Indian economy.
 (b) Amazon has been outsourcing to various customer support companies in India to accommodate more Local and International buyers and sellers : In light of the above statement, How has the process of globalisation impacted the Indian economy?
- Q.34 State the main features of Indian economy at the time of independence .

OR

- (a) Why were small scale industries relied upon to achieve the goal of employment and equity?
 (b) What were the features of the industrial policy of 1956 ?

Roll No. _____

NLCS/12/History/15

Half Yearly Examination 2025 – 2026**Time - 3:00 Hrs.****M.M. 80****General Instruction :**

- Question paper comprises five Sections A, B, C, D, E. There are 34 questions in the question paper. All question are compulsory.
- Section – A Question No. 1 to 21 MCQ's 1 Mark each.
- Section – B Question No. 22 to 27 are short Ans. type Question carrying 3 Marks each. Answer to each Question should not exceed 60 – 80 words.
- Section – C Question No. 28 to 30 are long Answer type Question carrying 8 Marks each. Answer to each Question should not exceed 300 to 350 words.
- Section – D Question No. 31 to 33 source based with three Sub Question and are of 4 Marks each.
- Section – E Question No. 34 is map based carrying 5 Marks includes identification and location of significant items. Attach the map with the answer book.
- There is no overall choice in the Question Paper. An internal choice has been provided in few Questions.

Section – A**Multiple Choice Questions :****1×21=21**

- Q.1 The Great Bath was discovered at:
 (a) Harappa (b) Kalibangan (c) Lothal (d) Mohenjodaro
- Q.2 The main material used for construction in Harappan civilization was :
 (a) Stone (b) Wood (c) Bakced bricks (d) Bamboo
- Q.3 Who composed the Rigveda?
 (a) Brahmins (b) Kshatriyas (c) Vaishyas (d) Rishis
- Q.4 The Satavahanas ruled over :
 (a) Northern India (b) Western India (c) Eastern India (d) Deccan
- Q.5 Manusmriti is related to :
 (a) Trade rules (b) Laws of inheritance and caste (c) Grammar (d) Astrology
- Q.6 The founder of Buddhism was :
 (a) Mahavira (b) Buddha (c) Ashoka (d) Bimbisara
- Q.7 Stupa architecture is prominently associated with :
 (a) Jainism (b) Hinduism (c) Buddhism (d) Islam
- Q.8 Ibn Battuta was a traveller from :
 (a) China (b) Morocco (c) Turkey (d) Arabia
- Q.9 Fa-Hien visited India during the reign of :
 (a) Ashoka (b) Harshavardhana (c) Chandragupta II (d) Samudragupta

- Q.10 Al-Biruni's work 'Kitab-ul-Hind' was written in :
 (a) Sanskrit (b) Persian (c) Arabic (d) Urdu
- Q.11 Kabir and Nanak rejected :
 (a) Idol worship (b) Caste distinctions (c) Ritual (d) All of the these
- Q.12 The Sufi saint Khwaja Muinuddin Chishti settled in:
 (a) Delhi (b) Lahore (c) Ajmer (d) Agra
- Q.13 Bhakti Movement in the south was led by:
 (a) Alvares and Nayanars (b) Kabir (c) Tulsidas (d) Chaitanya
- Q.14 Mahatma Gandhi's method of protest was called :
 (a) Swadeshi (b) Satyagraha (c) Non-cooperation (d) Boycott
- Q.15 Dandi March was started by Gandhi in :
 (a) 1929 (b) 1930 (c) 1931 (d) 1932
- Q.16 Assertion (A): Harappan cities had advanced drainage systems.
 Reason (R) : Drains were covered and connected to soak pits.
 (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
 (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
 (c) (A) is true but (R) is false
 (d) (A) is false but (R) is true
- Q.17 Assertion (A): Bhakti and Sufi movements emphasized personal devotion.
 Reason (R): These movements rejected caste and ritual barriers.
 (a) Both (A) and (R) are true and (R) is the correct explanation of (A).
 (b) Both (A) and (R) are true but (R) is not the correct explanation of (A).
 (c) (A) is true but (R) is false (d) (A) is false but (R) is true
- Q.18 Match the following :
 1. Mahatma Gandhi - (A) 1930
 2. Ibn Battuta - (B) Morocco
 3. Mohenjodaro - (C) Great Bath
 4. Kabir - (D) Bhakti Movement
 (a) 1-C, 2-B, 3-A, 4-D (b) 1-A, 2-B, 3-C, 4-D (c) 1-D, 2-A, 3-B, 4-C (d) 1-B, 2-D, 3-C, 4-A
- Q.19 Lothal is located in :
 (a) Punjab (b) Gujarat (c) Haryana (d) Rajasthan
- Q.20 Author of 'Kitab-ul-Hind' :
 (a) Ibn Battuta (b) Francois Bernier (c) Al-Biruni (d) Megasthenes
- Q.21 Harappan script has been :
 (a) Fully deciphered (b) Partially deciphered
 (c) Not yet deciphered (d) Translated into Sanskrit

Section – B

Short Answer Questions :

3×6=18

Q.22 Describe the distinctive features of the Great bath found at Mohanjodaro.

OR

Describe the features of seal which found in Mohenjodaro.

- Q.23 Mention any three features of Mahajanapadas.
- Q.24 What is the significance of the Jatakas in reconstructing early Indian history?
- Q.25 Explain any three contributions of Al-Biruni to the understanding early Indian society.
- Q.26 What were the main teachings of Kabir?
- Q.27 How did Mahatma Gandhi use non-violent method during the Salt March?

Section – C

Long Answer Questions :

8×3=24

- Q.28 Explain the social differences and occupations of the people during the Harappan Civilization.

OR

Discuss the role of urban centers and trade in the development of the Harappan Civilization.

- Q.29 Discuss the teachings of Buddhism and its spread across Asia.

OR

Examine the key features of Ashoka's Dhamma and his contribution to Buddhism.

- Q.30 Describe Mahatma Gandhi's methods of mobilising the masses during the Civil Disobedience Movement.

OR

Explain the significance and outcomes of the Dandi March in the context of India's freedom movement.

Section – D

Source Based Questions :

4×3=12

- Q.31 Read the following source and answer the questions that follow :

"About 2000 seals have been discovered from sites of the Indus Valley Civilization. Most of them are made of steatite, a soft stone, and contain inscriptions in a script which remains undeciphered. These seals often contain animal motifs and are believed to have had commercial or religious significance. Some seals show a unicorn-like figure, while others depict different animals and human-like forms. They were probably used by merchants to mark their goods and played an important role in trade."

- (a) What material were most seals made from?
- (b) What do animal motifs on seals suggest?
- (c) How might these seals have been used in trade?

- Q.32 Read the following source and answer the questions :

"Kabir, a prominent Bhakti saint, emphasized the importance of a direct relationship with God, rejecting rituals, idol worship, and caste distinctions. He composed verses in a simple language that appealed to the common people. Kabir's dohas often questioned orthodoxy and emphasized love, devotion, and unity of all religions. He believed that God is neither Hindu nor Muslim and true devotion transcends religious labels."

- (a) What were the Kabir's views on caste and rituals?
- (b) What literary form did Kabir use to express his ideas?
- (c) How did his teachings influence the Bhakti Movement?

Q.33 Read the following source and answer the questions :

"The Dandi March began on 12th March 1930, with Mahatma Gandhi and 78 of his followers marching from Sabarmati Ashram to Dandi, a coastal village in Gujarat. Covering over 240 miles in 24 days, the march protested the British monopoly on salt production and taxation. Thousand joined Gandhi on the way, turning the march into a mass movement. Gandhi picked up a handful of salt at Dandi, breaking the salt law and launching the Civil Disobedience Movement."

- (a) What was the purpose of the Dandi March?
- (b) How did the public participate in the march?
- (c) What was the symbolic act that Gandhi performed at Dandi?

Section – E

Map Based Question :

5×1=5

Q.34. On the outline map of India provided, mark and label the following:

- (a) Mohenjodaro (b) Lothal (c) Dholavira (d) Dandi (e) Delhi

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Half Yearly Examination 2025 – 2026

M.M. 80

- (i) The question paper consists of 5 sections (A, B, C, D and E) with 30 questions in total.
- (ii) All questions are compulsory.
- (iii) Question No. 1-12 are multiple choice questions of 1 mark each.
- (iv) Question No. 13-18 are of 2 marks each. Answers to these questions should not exceed 50-60 words each.
- (v) Questions No. 19-23 are of 4 marks each. Answers to these questions should not exceed 100-120 words each. There is an internal choice in two of the 4 marks questions.
- (vi) Questions No. 24-26 are passage, cartoon and map-based questions. Answer accordingly.
- (vii) Questions No. 27-30 are of 6 marks each. Answers to these questions should not exceed 170-180 words.
- (viii) There is an internal choice in 6 marks each.

Q.1 Arrange the following events in chronological order and choose the correct option:

(ii) Gorbachev resigns as the president of the Soviet Union.

(iii) The Soviet invasion of Afghanistan.

(iv) Leonid Brezhnev became leader of the Soviet Union.

(a) (i), (ii), (iii), (iv)

(b) (i), (ii), (iv), (iii)

(c) (iii), (iv), (i), (ii)

(d) (iv), (iii), (ii), (i)

Q.2 In which year China ended its political and economic isolation?

a) 1972

b) 1970

c) 1965

d) 1971

Q.3 Which two countries have been referred to as outside powers?

a) China and Bangladesh

b) China and Pakistan

c) China and United States

d) United States and Nepal

Q.4 Which organization promotes the peaceful use of nuclear energy?

a) IMF

b) UNESCO

c) IAEA

d) ILO

Q.5 **Assertion (A):** Terrorism cannot be divided into good or bad.

Reason (R): Terrorism is a traditional security its a global problem.

a) Both (A) and (R) are correct and R is the correct explanation of A.

b) Both (A) and (R) are correct but R is not the correct explanation of A.

c) A is true, but R is false.

d) A is false, but R is true.

Q.6 Match the Following:

List -I	List- II
A. Nepal	(i) H.M Ershad
B. Maldives	(ii) Inter service intelligence
C. Pakistan	(iii) Island nation
D. Bangladesh	(iv) Seven party alliance

Options:

- (a) A – (ii), B – (iii), C – (iv), D – (i) (b) A – (iv), B – (iii), C – (ii), D – (i)
(c) A – (i), B – (ii), C – (iii), D – (iv) (d) A – (ii), B – (i), C – (iv), D – (iii)

Q.7 Which group among the following options represents the three princely states that resisted their merger with India?

- a) Hyderabad, Bhopal, Jammu and Kashmir b) Junagadh, Gwalior, Mysore
c) Junagadh, Hyderabad, Travancore d) Gwalior, Travancore, Bhopal

Q.8 Who was the Education Minister in the first cabinet of free India?

- a) Gopalaswamy Iyengar b) Purushottam Das Tandon
c) Maulana Abul Kalam Azad d) John Mathai

Q.9 When did the first five-year plan was released?

- a) December 1951 b) October 1952 c) January 1956 d) May 1960

Q.10 The worldwide struggle were against _____ and _____.

- a) disputes, suppression b) imperialism, colonialism
c) poverty, unemployment d) monarchy, dictatorship

Q.11 Which issue led to the formed split of Indian National Congress?

- a) Fourth General Election b) Presidential Election, 1969
c) Grand Alliance d) Non- Congression

Q.12 How many plans have been completed so far in India?

- (i) Twelve (ii) Six (iii) Eight (iv) Four

Section –B

Q.13 Evaluate any two functions of NITI Aayog.

Q.14 What do you mean by foreign policy?

Q.15 List the basic requirement to hold free and fair elections in a country like India.

Q.16 Mention any two characteristics of Soviet political and social system.

Q.17 Assess the role of ASEAN as an economic association.

Q.18 Mention any two functions of World Bank.

Section – C

Q.19 What was Soviet System? Assess any four features of Soviet System.

Q.20 Analyze the concept of Human Security.

Q.21 What are the aims and objectives of the United Nations?

OR

Why are reforms in the UN required?

Q.22 Explain any three challenges faced by India at the time of its Independence.

OR

How was Manipur merged with Indian union?

Q.23 Assess the outcomes of the early phase of planned development in India.

Section – D

Q.24 “Talking shop”? Yes, there are a lot of speeches and meetings at the UN, especially during the annual session of the General Assembly, but as Churchill put it, “Jaw-jaw is better than war-war.” Isn’t it better to have a place where all countries in the world can get together bore each other sometimes with their words rather than bore holes into each other on the battlefield?”

(a) Who quoted the above lines?

(i) Dag Hammarskjöld (ii) Shashi Tharoor (iii) Trygve Lie (iv) Antonio Gutérres

(b) Which of the following does not highlight the importance of international organizations?

(i) International organizations help with matters of war and peace.

(ii) International organizations are the answers to everything.

(iii) International organizations help to produce countries to cooperate and make better living conditions for all of us.

(iv) An International organizations can help produce information and ideas about how to cooperate.

(c) Which of the following is no longer an organ of the UN?

(i) The General Assembly (ii) The Economic and Social Council

(iii) The Secretariat (iv) The Trusteeship Council

(d) Which one of the following organization is related to peaceful use of nuclear energy?

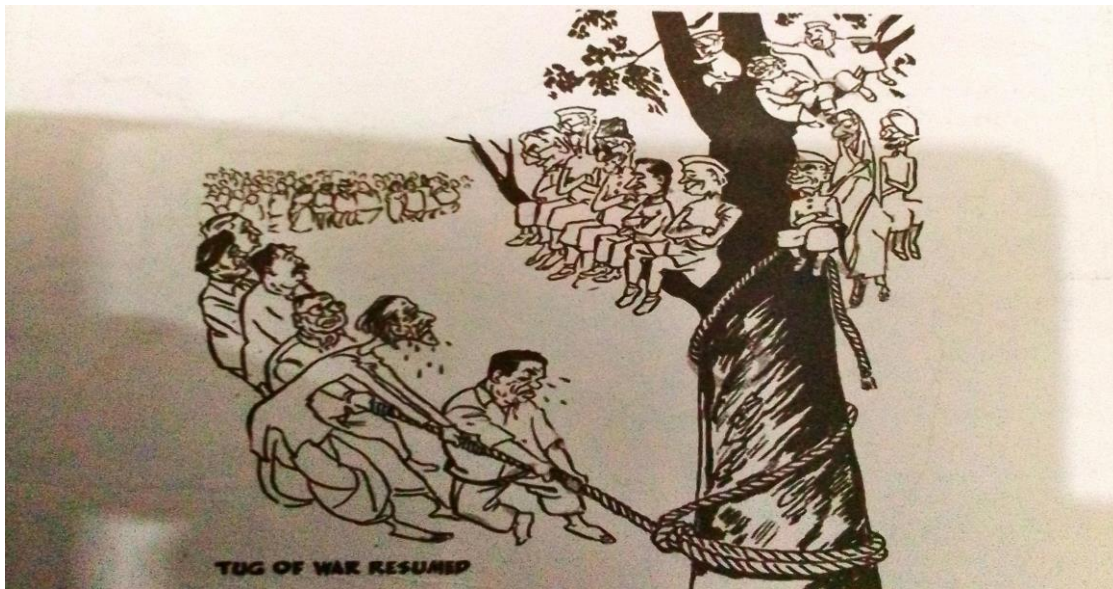
(i) IMF (ii) World Bank (iii) IAEA (iv) ILO

Q.25 On a political map of India (showing outlines of states) and mark the location of the following princely states.

(a) Junagarh (b) Manipur (c) Mysore (d) Gwalior



Q.26 Observe the given image carefully and answer the questions that follow:



- (a) What does the cartoon represent?
- (b) What is the meaning of "Tug of war"?
- (c) Who has been placed on the branches of the tree?
- (d) Why is there a need for an opposition party in a democratic country?

Section – E

Q.27 How did the soviet union suddenly disintegrate? Explain any six reasons.

OR

Examine the political consequences of Shock therapy.

Q.28 Explain the major areas of conflict between India and Pakistan.

OR

Discuss the points of agreement between India and Pakistan.

Q.29 Examine the role of Sardar Vallabhbhai Patel as Iron man of India.

OR

Discuss the principles and difficulties involved in the process of partition.

Q.30 How does political leadership of a Nation reflect in foreign policy? Evaluate.

OR

What was the Tibet issue? How did it cause tension between India and China

Roll No. _____

NLCS/12/Computer Science (086) / 17

Half Yearly Examination 2025 – 2026

Time - 3:00 Hrs.

M.M. 70

General Instructions :

- This question paper contains 37 questions.
- All questions are compulsory. However, internal choices have been provided in some questions. Attempt only one of the choices in such questions
- The paper is divided into 5 Sections- A, B, C, D and E.
- Section A consists of 21 questions (1 to 21). Each question carries 1 Mark.
- Section B consists of 7 questions (22 to 28). Each question carries 2 Marks.
- Section C consists of 3 questions (29 to 31). Each question carries 3 Marks.
- Section D consists of 4 questions (32 to 35). Each question carries 4 Marks.
- Section E consists of 2 questions (36 to 37). Each question carries 5 Marks.
- All programming questions are to be answered using Python Language only.
- In case of MCQ, text of the correct answer should also be written.

SECTION – A

- Q.1** What will be the output of `print(3 ** 2)`?
(a) 6 (b) 8 (c) 9 (d) Error
- Q.2** Which of the following is a mutable data type in Python?
(a) Tuple (b) List (c) String (d) Integer
- Q.3** What does `range(5)` produce?
(a) 0 to 5 (b) 1 to 5 (c) 0,1,2,3,4 (d) 1,2,3,4,5
- Q.4** Which keyword is used to define a function in Python?
(a) `func` (b) `def` (c) `define` (d) `function`
- Q.5** What will be the output of the following?
`def add(x=2, y=3):`
`print(add())`
(a) 2 (b) 5 (c) 0 (d) Error
- Q.6** A function that calls itself is called :
(a) Nested function (b) **Recursive function** (c) Static function (d) Self function
- Q.7** The variables passed to a function at the time of calling are known as :
(a) Formal arguments (b) **Actual arguments** (c) Default arguments (d) None of these
- Q.8** Which mode is used to read a file in Python?
(a) **'r'** (b) `'w'` (c) `'rb'` (d) `'a'`
- Q.9** What will `f.readline()` do?
(a) Read entire file (b) Read all lines (c) **Read only one line** (d) Raise an error
- Q.10** Which method is used to write data into a file?
(a) `writefile()` (b) **`write()`** (c) `add()` (d) `put()`
- Q.11** Which statement is used to close a file?
(a) `stop()` (b) **`close()`** (c) `end()` (d) `terminate()`
- Q.12** What is the output of `f.tell()`?
(a) Name of file (b) **Position of file pointer** (c) Number of lines (d) None of these
- Q.13** Which data structure follows LIFO?
(a) Queue (b) Linked List (c) **Stack** (d) Tree

- Q.14** Which Python list method is used to implement **push** in stack?
 (a) insert() (b) **append()** (c) add() (d) push()
- Q.15** What happens if you pop from an empty stack?
 (a) **IndexError** (b) SyntaxError (c) None (d) FileNotFoundError
- Q.16** Which protocol is used to transfer web pages?
 (a) FTP (b) HTTP (c) SMTP (d) IP
- Q.17** Which of the following is **not** a network topology?
 (a) Ring (b) Star (c) TreeMap (d) Bus
- Q.18** Full form of URL is :
 (a) Universal Resource Log (b) Uniform Resource Locator
 (c) Unified Retrieval Language (d) Uniform Resolution Link
- Q.19** Which device connects different networks and routes data?
 (a) Switch (b) Hub (c) Router (d) Modem
- Q.20 and Q.21** are Assertion(A) and Reason(R) based questions. Mark the correct choice as:
 (a) Both A and R are true and R is the correct explanation for A
 (b) Both A and R are true and R is not the correct explanation for A
 (c) A is True but R is False
 (d) A is False but R is True
- Q.20 Assertion (A) :** Lists are mutable in Python.
Reason (R) : You can change the value of an element in a list after it is created.
- Q.21 Assertion (A) :** Default arguments must be placed after non-default arguments in function definitions.
Reason (R) : Python throws a syntax error if default arguments are placed before non-default arguments.

SECTION – B

- Q.22** Differentiate between actual and formal parameters with examples.
- Q.23** Write a function multiply(x, y) to return the product of two numbers.
- Q.24** Differentiate between append() and extend() functions in Python lists with suitable examples.
- Q.25** Define push and pop operations of a stack using list.
- Q.26** What is a domain name? Give one example.
- Q.27** Differentiate between read() and readline() functions.
- Q.28** Write the difference between a text file and a binary file.

SECTION – C

- Q29.** Write a function in Python to return the factorial of a number using a loop.

OR

Predict the output of the following code:

```
line=[4,9,12,6,20] for l in line:
    for j in range(1,l%5):
        print(j,'#',end=" ")
    print t()
```

- Q.30** You have a stack named BooksStack that contains records of books. Each book record is represented as a list containing book_title, author_name, and publication_year. Write the following user-defined functions in Python to perform the specified operations on the stack BooksStack:

- (I) push_book(BooksStack, new_book): This function takes the stack BooksStack and a new book record new_book as arguments and pushes the new book record onto the stack.
- (II) pop_book(BooksStack): This function pops the topmost book record from the stack and returns it. If the stack is already empty, the function should display "Underflow".

OR

Write a function `count_lines_words()` that opens a text file and prints the total number of lines and total number of words in the file

Q.31 Write a Python program to push 3 values into a stack and then pop 1 value. Display the stack after each operation.

OR

Explain any three differences between star and bus topology.

SECTION – D

Q.32 Consider a list of names. Write a Python program to :

- Display all names
- Count names starting with the letter 'S'
- Display the names in reverse order

OR

Write a Python function that finds and displays all the words longer than 5 characters from a text file "Student.txt".

Q.33 Write a Python program to :

- Create a binary file `employee.dat` containing employee name and salary
- Search and display details of the employee with a specific name entered by the user

Q.34 Read the following case study and answer the questions:

A school has four blocks — Admin, Library, Lab, and Sports. They want to connect these via a LAN. The distances between blocks are :

- Admin–Library: 50m
- Admin–Lab: 60m
- Library–Lab: 40m
- Lab–Sports: 90m

Answer the following:

- Suggest a suitable block for placing the server.
- Suggest the type of network to be formed.
- Name the network device used to connect multiple computers in a LAN.
- Suggest a suitable wired communication medium.
- Suggest a suitable topology for efficient communication.

Q.35 Write a Python program using functions to:

- Accept a number from the user
- Return whether it is prime or not
- If it is prime, write it to a file called `prime.txt`

SECTION – E

Q.36 Surya is a manager working in a recruitment agency. He needs to manage the records of various candidates. For this, he wants the following information of each candidate to be stored :

- Candidate_ID – integer
- Candidate_Name – string
- Designation – string
- Experience – float

You, as a programmer of the company, have been assigned to do this job for Surya.

(I) Write a function to input the data of a candidate and append it in a binary file.

- (II) Write a function to update the data of candidates whose experience is more than 10 years and change their designation to "Senior Manager".
- (III) Write a function to read the data from the binary file and display the data of all those candidates who are not "Senior Manager".

Q.37 Sapphire Global Institute is an education-based organization that is setting up its new campus in **Bengaluru** with its head office in **Hyderabad**. The Bengaluru campus consists of four academic blocks: **RESEARCH**, **LECTURE HALLS**, **LIBRARY**, and **ADMINISTRATION**. You are appointed as the **network consultant** to provide optimal solutions for their networking needs, considering the layout and technical requirements mentioned below.

Block-to-Block Distances (in meters):

From	To	Distance (m)
RESEARCH	LECTURE HALLS	60
RESEARCH	LIBRARY	40
RESEARCH	ADMINISTRATION	100
LECTURE HALLS	LIBRARY	55
LECTURE HALLS	ADMINISTRATION	65
LIBRARY	ADMINISTRATION	35

Distance between Bengaluru campus and Hyderabad head office = 1,200 km

Number of Computers:

Block/Office	No. of Computers
RESEARCH	35
LECTURE HALLS	20
LIBRARY	25
ADMINISTRATION	30
HYDERABAD HO	15

Answer the following questions:

- (I) Which block should be chosen to house the **server**? Justify your answer with two reasons.
- (II) Suggest the **most suitable wired medium** and **topology** for efficient intra-campus connectivity.
- (III) Name the **network device** required to connect all computers in each block.
- (IV) Suggest a **networking device and protocol** to connect the Bengaluru campus to the Hyderabad Head Office.
- (V) Which among **Internet, Intranet, or Extranet** would you recommend for secure internal communication? Justify your answer.

Roll No. _____

NLCS/12/Physical Education (048)/54

Half Yearly Examination 2025 – 2026

Time - 3:00 Hrs.

M.M. 70

General Instructions:

1. The question paper consists of 5 sections and 37 questions.
2. Section A: Questions 1–18 (1 mark each). Multiple Choice. All are compulsory.
3. Section B: Questions 19–24 (2 marks each). Very short answers. Attempt any 5.
4. Section C: Questions 25–30 (3 marks each). Short answers. Attempt any 5.
5. Section D: Questions 31–33 (4 marks each). Case studies. Attempt all.
6. Section E: Questions 34–37 (5 marks each). Long answers. Attempt any 3.

Section – A

Multiple Choice Questions – All Questions are compulsory :

1×18=18

- Q.1 Which component of fitness is tested by the Harvard Step Test?
(a) Speed (b) Flexibility (c) Cardiovascular endurance (d) Strength
- Q.2 The 'Principle of Overload' in training means:
(a) Less rest (b) Balanced diet (c) Increased workload (d) Decreased intensity
- Q.3 Which vitamin is known as the "sunshine vitamin"?
(a) A (b) C (c) D (d) K
- Q.4 What is the normal range of BMI for adults?
(a) 16–18.4 (b) 18.5–24.9 (c) 25–29.9 (d) Above 30
- Q.5 League tournaments are also known as :
(a) Knockout (b) Round robin (c) Challenge (d) Pyramid
- Q.6 Match the following :
(i) Lordosis - (a) Backward spinal curve
(ii) Kyphosis - (b) Forward spinal curve
(iii) Scoliosis - (c) Lateral curve
(a) i-a, ii-b, iii-c (b) i-b, ii-a, iii-c (c) i-c, ii-a, iii-b (d) i-a, ii-c, iii-b
- Q.7 What is the main aim of Intramural activities?
(a) National competition (b) International exposure (c) Mass participation (d) Selection
- Q.8 Identify a psychological benefit of regular exercise:
(a) Hypertension (b) Anxiety (c) Stress relief (d) Obesity
- Q.9 Asanas are helpful in improving :
(a) Speed (b) Flexibility (c) Reaction time (d) Strength
- Q.10 What is a correct posture while sitting?
(a) Bent back (b) Slouched shoulders (c) Straight spine (d) Crossed legs
- Q.11 When was the **Khelo India programme** launched?
(a) 2015 (b) 2016 (c) 2017 (d) 2018
- Q.12 What does the term 'disability etiquette' refer to?
(a) Game rules (b) Manners for disabled people
(c) Medical diagnosis (d) Training schedule
- Q.13 Which nutrient is a quick energy provider?
(a) Protein (b) Fat (c) Carbohydrate (d) Vitamin
- Q.14 Paralympic Games are meant for :
(a) Children (b) Women (c) Athletes with disabilities (d) Senior citizens

- Q.15 Which method is best for measuring flexibility?
 (a) Sit and reach (b) 50m sprint (c) Pull-ups (d) Standing long jump
- Q.16 Which of the following is a micronutrient?
 (a) Protein (b) Carbohydrate (c) Vitamin (d) Fat
- Q.17 What is the full form of RDA in nutrition?
 (a) Regular Diet Association (b) Recommended Daily Allowance
 (c) Registered Diet Allocation (d) Required Diet Analysis
- Q.18 Who is the governing body for Olympic Games?
 (a) FIFA (b) ICC (c) IOA (d) IOC

Section – B

Answer in 60–90 words. Attempt Any Five :

2×5=10

- Q.19 Define endurance and mention its types.
 Q.20 Explain any two objectives of physical education.
 Q.21 What is balance diet?
 Q.22 Write a note on knock-out tournament with one advantage.
 Q.23 List any two advantages of yoga for lifestyle diseases.
 Q.24 Write a short note on disability classification in sports.

Section – C

Answer in 100–150 words. Attempt Any Five :

3×5=15

- Q.25 Explain three components of wellness.
 Q.26 Discuss the procedure and benefits of Bhujangasana.
 Q.27 Describe any three common postural deformities.
 Q.28 Explain the importance of fluid intake during physical activities.
 Q.29 Write a short note on inter-house tournaments and their benefits.
 Q.30 Explain any three types of physical disabilities.

Section – D

Case-based questions. Attempt Any Two :

4×3=12

- Q.31 Mr. Kapoor works in the sports field in which he describes what's happening at sporting events and offers their opinions to listeners and viewers. Identify the career in sports and answer the following question:

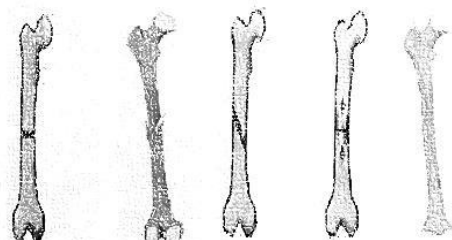
4



- (A) ----- provides a real-time commentary of a game or event.
 (B) He is also known as -----.
 (C) He discusses news, -----, weather, or the like, as on television or radio.
 (D) They give ----- commentary on a event.

OR

than the given career, there is a career in which ---



sporting

Other

----- teacher teaches health education.

Q.32 Adam was injured while playing cricket. He was taken to hospital. In the doctor's room, he saw the following picture related to a fracture.

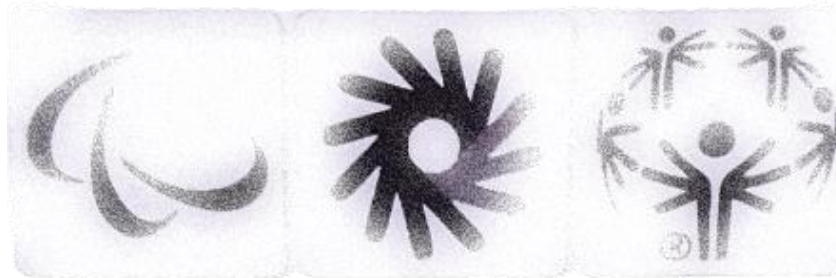
On the basis of the given picture answer the following.

- (A) When the two ends of the bone enter into each other it is ----- .
- (B) ----- is a slanted fracture.
- (C) When the bone is broken into many pieces at one place or different places , it is called ----- .
- (D) ----- is a fracture in which bone gets bent.

OR

----- fracture occurs in a straight line at a right angle to the shaft of the bone. Usually caused by direct blow.

Q.33 In relation to the pictures, answer the following questions -



- (i) Logo shown in picture _____ refers to Special Olympics.
- (ii) Who was the founder of Special Olympics?
- (iii) According to figure B the hand shape 'OK', 'Good' and 'Great' that overlap each other in a circle , represent the original sign for _____.
- (iv) How many countries participated in the first Paralympic Games in Rome (Italy) in 1960?

OR

The Motto of the Paralympic is -----.

Section – E

Answer in 200–300 words. Attempt Any Three :

5×3=15

- Q.34 Define physical fitness. Explain its components in detail with examples.
- Q.35 Discuss the causes, symptoms, and preventive measures of obesity.
- Q.36 What are the responsibilities of a leader in physical education and sports?
- Q.37 Describe the functions of nutrients in detail. Classify them with suitable examples.
