

Roll No. _____

NLCS/09/English/102

SECOND UNIT TEST 2024 – 2025

Time: 1:00 Hrs.

M.M. 20

Q.1 Read the passage given below :

1×3=3

1. One of the greatest advances in modern technology has been the invention of computers. They are widely used in industries. Now, there is hardly any sphere of human life where computers have not been pressed into service of man. We are heading fast towards the day when a computer will be as much part of a man's daily life as a telephone or a calculator.

2. Computers are capable of doing extremely complicated work in all branches of learning. They can solve the most complex mathematical problems or put thousands of unrelated facts in order. These machines can be put to varied uses. For instance, they can provide information on the best way to prevent traffic jams. This whole process by which machines can be used to work for us has been called 'automation'. In the future automation may enable human beings to enjoy more leisure than they do today. The coming of automation is bound to have important social consequences.

- (i) What complicated works are computers capable of doing? 1
- (ii) What is the greatest advancement in modern technology? 1
- (iii) The whole process by which machines can be used to work for us has been called ----- . 1

Q.2 Do as directed:

- (i) There is a general belief (a) _____ students that (b) _____ who write long sentences get (c) _____ marks. Short answers get (d) _____ marks. 2
- (a) in / of (b) those / all (c) more / many (d) least / less

- (ii) Error: 1
- (i) Three years old has rescued by the police. ½
- (ii) She was kidnap by a neighbour. ½

Q.3 Attempt any ONE : 3

- (i) Complete the story on the basis of the beginning given in 120 words :

"An old man had two daughters. He loved both of them. Once, he asked them

- (ii) A visit to a Birthday party. Write a diary entry on your friend's party.

Q.4 Read the extract and answer the questions below : 2

miniature boughs
which if unchecked will expand again
to former size.

- (i) What is a 'bough'?
- (ii) What will expand again.

Q.5 Answer any Four in 40 – 50 words : 6

- (i) Who provided immediate financial help to the author & his mother & why?
- (ii) Which is the haven of quietness, according to the author? Explain.
- (iii) What has brought a shock to the poet in the poet 'a slumber did my spirit seal'?
- (iv) The poem "on killing a tree" is a social critique. Examine.
- (v) What is the belief at Pashupatinath about the end of Kaliyug?

Q.6 Answer (Any One) the questions in not more than 120 words : 3

- (i) Compare and contrast the atmosphere in and around the Baudhnath shrine with the Pashupatinath temple.
- (ii) How did the author feel after he went to his new school after the fire tragedy in the house?

Roll No. _____

NLCS/09/Mathematics/102

SECOND UNIT TEST 2024 – 2025

Time: 1:00 Hrs.

M.M. 20

Section – A

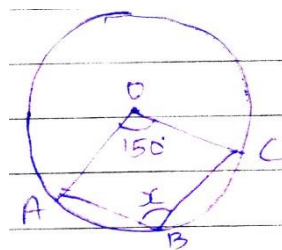
Multiple Choice Questions :

1×5=5

- Q.1 The figure obtained by joining the mid-points of the sides of a rhombus, taken in order is?
 (a) a rhombus (b) a rectangle (c) a square (d) any parallelogram
- Q.2 ABCD is a rhombus such that $\angle ACB=40^\circ$, then $\angle ADB$ is -----.
 (a) 40° (b) 45° (c) 50° (d) 60°
- Q.3 AD is a diameter of a circle and AB is a chord. If $AD=20\text{cm}$, $AB=12\text{cm}$, the distance of AB from the centre of the circle ----- .
 (a) 8cm (b) 10cm (c) 5cm (d) 9cm
- Q.4 In the figure, O is the centre of the circle.

What is the value of x° ?

- (a) 125° (b) 105°
 (c) 95° (d) 85°



- Q.5 If a right circular cone has a radius of 4cm and a slant height of 5 cm then what is the volume?

- (a) $16\pi\text{cm}^3$ (b) $14\pi\text{cm}^3$ (c) $12\pi\text{cm}^3$ (d) $18\pi\text{cm}^3$

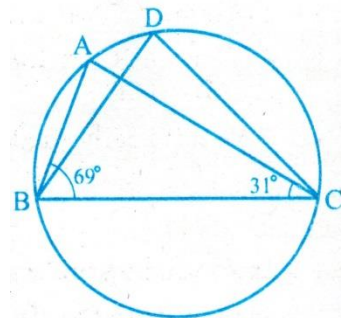
Do Any Three :

Section – B

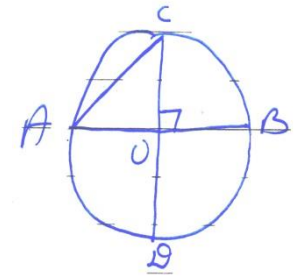
2×3=6

- Q.6 Show that each angle of a rectangle is a right angle.
- Q.7 Show that if the angle subtended by the chords of a circle at the centre are equal, then the chords are equal.
- Q.8 Find the volume of a cone with radius 10cm and height 15cm.
- Q.9 In figure $\angle ABC=69^\circ$, $\angle ACB=31^\circ$.

Find $\angle BDC$.



- Q.10 In the given figure a circle with center O. AB and CD are its two diameters perpendicular to each other the length of chord AC is :



Section – C

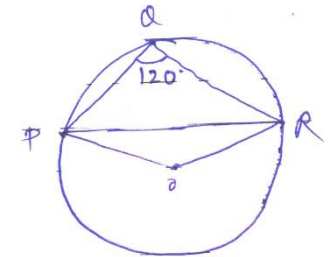
3×2=6

- Q.11 The radius and slant height of a cone are in 3 : 5. If its total surface area is 1205.76cm^2 . Find the height of the cone. [use $\pi=3.14$]

OR

Prove equal chords of a circle subtend equal angles at the center.

- Q.12 In fig. $\angle PQR=120^\circ$, where P, Q and R are points on a circle O. Find $\angle OPR$ and $\angle ORP$.

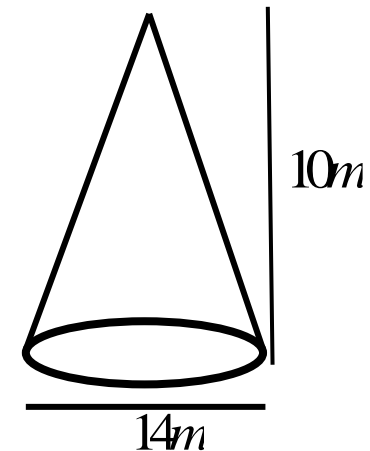


OR

Show if the diagonal of a quadrilateral bisect each other of right angles, then it is a rhombus.

Case Study Based:

- Q.13 Once four friends A, B, C and D went far a Picnic at a hill station. Due to peak season, they did not get a proper hotel in the city. The weather was fine so they decided to make a conical tent at a park. They were carrying 300m^2 cloth with them. As shown in figure they made the tent with height 10m and diameter 14m. The remaining cloth was used for floor.



Solve any three questions :

- (i) How much cloth was used for the floor?
 (ii) What was the volume of the tent?
 (iii) What was the area of the floor?
 (iv) What was the total surface area of the tent?
 (v) What was the slant height of the tent?

Roll No. _____

NLCS/09/SCIENCE/102

SECOND UNIT TEST 2024 – 2025

Time: 1:00 Hrs.

M.M. 20

M.C.Q. 1×5=5

S.A.1 2×3=6 External Choice (3 out of 4)

S.A.2 3×2=6 Internal Choice (OR)

Case Study 3×1=3

Section – A

Q.1 Aurum Latine name of :

- (a) Tungsten (b) Iron (c) Copper (d) Gold

Q.2 Valency & valence shell electron present in Chlorine, respectively:

- (a) 1,7 (b) 7,1 (c) 7, 7 (d) 1, 1

Q.3 Unmanned plants which grows along main crop are called :

- (a) seed (b) feed (c) weeds (d) None of these

Q.4 Sunlight is an example of ----- .

- (a) Abiotic factor (b) Biotic factors (c) Photoperiod (d) None of these

Q.5 Which of the following quantities have same units?

- (a) Power and energy (b) Power and work (c) work and energy
(d) None of the above

Section – B

Any Three out of 4

Q.6 What are polyatomic ions? Give examples.

Q.7 Calculate molecular masses of H_2 , O_2 , NH_3

Q.8 A pair of bullocks exerts a force of 140N on a plough. The field being ploughed is 15m long. How much work is done in ploughing the field.

Q.9 Write 1-1 difference between compost and vermicompost..

Section – C

Q.10 (a) Write down the name of compounds –

- (i) $Al_2(SO_4)_3$ (ii) $CaCl_2$ (iii) $Mg(OH)_2$

(b) Write down formulae of names –

- (i) Silver Oxide (ii) Ammonium Carbonate

- (iii) Silver Sulphate

OR

(a) How many atoms are present in –

- (i) H_2S molecule (ii) PO_4^{-3} (iii) CO_3^{-2}

(b) Name the Element having following Latin name :

- (i) Cuprum (ii) Natrium (iii) Wolfram

Q.11 Define kinetic energy and derive its relation?

OR

Define work and its each types with suitable examples.

Section – D Case Study

Q.12 Different crop require different climatic conditions, temperature and photoperiods for their growth & completion of life cycle. Photoperiods are related to the duration of sunlight. Growth of plants, flowering are dependent on sunlight. As we all know, plants manufacture their food in sunlight by the process of photosynthesis. There are some crops which are grown in rainy season called Kharif crop & the crops which are grown in winter are called Rabi crops.

(i) Crops which are grown in winters are called?

- (a) Rabi (b) Kharif (c) Rainy (d) Monsoon

(ii) What is Kharif season period?

- (a) June to July (b) June to October
(c) June to November (d) June to December

(iii) Define Photoperiod.

OR

List the 2-2 examples of Rabi & Kharif crops.

SECOND UNIT TEST 2024 – 2025**Time: 1:00 Hrs.****M.M. 20**

- Q.1 Germany, Italy and Japan were jointly known as :
 (a) Allied powers (b) axis power
 (c) Centralist power (d) None of these
- Q.2 Arrange the following places according to their distance from the equator (from minimum to maximum)
 (i) Leh (ii) Delhi (iii) Thiruvananthapuram (iv) Shilong
 Codes :
 (a) 3, 4, 2, 1 (b) 4, 3, 2, 1 (c) 1, 2, 3, 4 (d) 3, 1, 2, 4
- Q.3 What is the annual Precipitation in the Indian state of Meghalaya?
 (a) 300 cm (b) 350 cm (c) 400 cm (d) 450 cm
- Q.4 Which one of the following is not a part of Indian Judiciary system?
 (a) High courts in the states (b) The Supreme Court
 (c) Village Panchayat (d) District Court
- Q.5 According to World Bank Report, 2001, which country has the largest poor population?
 (a) India (b) Nigeria (c) Ghana (d) Bangladesh

Short Answer (Do Any Three) :**2×3=6**

- Q.6 What does the term 'Genocidal War' refer to?
- Q.7 Define – Weather and climate
- Q.8 Define – Poverty line
- Q.9 What is Lok Sabha?

Answer (Do Any Three) :**3×2=6**

- Q.10 What were the promises made by Hitler to people of Germany?
- Q.11 How do the following factors influence the climate of India?
 (a) Latitude (b) Altitude (c) Distance from the sea
- Q.12 Distinguish between Political executives and permanent executives.

Case Study :**3**

- Q.13 While determining the poverty line in India, a minimum level of food requirement, clothing, footwear, fuel and light, educational and medical requirement etc. are determined for subsistence. These physical quantities are multiplied by their prices in rupees. The present formula for food requirement while estimating the poverty line is based on the desired calorie requirements. Food items, such as cereals, pulses, vegetables, milk, oil, sugar, etc together provide these needed calories. The calorie needs vary depending on age, sex and the type of work that a person does. The accepted average calorie requirement in India is 2400 calories per person per day in rural areas and 2100 calories per person per day in urban areas since people living in rural areas engage themselves in more physical work, calorie requirements in rural areas are considered to be higher than in urban areas. The poverty line is estimated periodically (normally five years) by conducting sample surveys. These surveys are carried out by National sample survey organization (NSSO).
- (i) What is an accepted average calories required in urban areas (India)?
 (a) 2400 (b) 2800 (c) 2500 (d) 2100
- (ii) This the method to estimate the poverty line?
 (a) Income method (b) Human method
 (c) capital method (d) Investment method
- (iii) The poverty line is estimated periodically by ----- .

Roll No. _____

NLCS/09/Computer/102

Second UNIT TEST 2024 – 2025

Time: 1:00 Hrs.

M.M. 20

Multiple Choice Questions :

5X1=5

- Q.1 It is a sequential display of slide.
(a) Slide show (b) Slide. Sorter (c) Slide show (d) None of these
- Q.2 Which key combination is used to open an existing presentation?
(a) Ctrl + S. (b) Ctrl + O (c) Ctrl + N (d) Ctrl + C
- Q.3 Which effect is applied to all the slides of a presentation?
(a) Animation (b) Transition (c) Design. (d) Layout
- Q.4 The transition effects are under the ----- menu .
(a) Slide (b) Slide show (c) Tools (d) insert
- Q.5 ----- cell option divides the selected cell further into separate cells in a table.
(a) Merge (b) Split (c) Divide (d) Combine
- Q.6 What is presentation Software ? Where do you use this type of software? 2
- Q.7 Write the difference between Slide and Slide show? 2
- Q.8 Write the four elements of a good presentation? 2
- Q.9 What is table and how it is useful? 3

OR

What is Lay out?

- Q.10 What is the difference between title bar and status bar? 3

OR

Describe the steps used to enter notes in a slide? 3

- Q.11 How do you launch open office? 3

OR

Describe the use of undo and redo commands? Which tool bar has these commands?

Roll No. _____

NLCS/09/Computer/102

Second UNIT TEST 2024 – 2025

Time: 1:00 Hrs.

M.M. 20

Multiple Choice Questions :

5X1=5

- Q.1 It is a sequential display of slide.
(a) Slide show (b) Slide. Sorter (c) Slide show (d) None of these
- Q.2 Which key combination is used to open an existing presentation?
(a) Ctrl + S. (b) Ctrl + O (c) Ctrl + N (d) Ctrl + C
- Q.3 Which effect is applied to all the slides of a presentation?
(a) Animation (b) Transition (c) Design. (d) Layout
- Q.4 The transition effects are under the ----- menu .
(a) Slide (b) Slide show (c) Tools (d) insert
- Q.5 ----- cell option divides the selected cell further into separate cells in a table.
(a) Merge (b) Split (c) Divide (d) Combine
- Q.6 What is presentation Software ? Where do you use this type of software? 2
- Q.7 Write the difference between Slide and Slide show? 2
- Q.8 Write the four elements of a good presentation? 2
- Q.9 What is table and how it is useful? 3

OR

What is Lay out?

- Q.10 What is the difference between title bar and status bar? 3

OR

Describe the steps used to enter notes in a slide? 3

- Q.11 How do you launch open office? 3

OR

Describe the use of undo and redo commands? Which tool bar has these commands?

Roll No. _____

NLCS/09/HINDI/102

SECOND UNIT TEST 2024 – 2025

Time: 1:00 Hrs.

M.M. 20

प्र.1 निम्नलिखित गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर दीजिए:-

हिन्दी का उस समय प्रचार प्रसार था। मैं सन् 1917 में यहाँ आई थी। उसके उपरान्त गांधी जी का सत्याग्रह आरम्भ हो गया। जहाँ-तहाँ हिन्दी का भी प्रचार चलता था। कवि सम्मेलन होते थे तो क्रास्थवेट से मैडम हमको साथ लेकर जाती थी। हम कविता सुनाते थे।

1. उपरोक्त गद्यांश में किस शहर का वर्णन है? 1
(क) नागपुर (ख) इलाहबाद (ग) दिल्ली (घ) कानपुर
2. क्रास्थवेट क्या है? 1
(क) लेखिका का घर (ख) विद्यालय का नाम
(ग) कॉलेज का नाम (घ) शहर का नाम
3. हिन्दी के प्रचार के लिए क्या आयोजित किए जाते थे? 1
(क) कवि सम्मेलन (ख) भाषण (ग) सत्याग्रह (घ) उपरोक्त सभी

प्र.2 निम्नलिखित पद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर दीजिए:-

रंग-रंग के फूलों में रिलमिल
हँस रही सखियाँ मटर खड़ी
मखमली पेटियों सी लटकी
छीमियाँ छिपाएँ बीज लड़ी!
फिरती है रंग रंग की तितली
रंग रंग के फूलों पर सुंदर
फूले फिरते हैं फूल स्वयं
उड़ उड़ वृंतों से वृंतों पर!

1. हँसती मटर की फसल को क्या कहा गया है? 1
(क) फूल (ख) मित्र (ग) सखी (घ) फसल
2. बेलों पर लटकी मटर कैसी लग रही है? 1
(क) हँसती हुई (ख) मखमल सी पेटियों सी
(ग) बहुत सुन्दर (घ) हिलती-डुलती हुई

प्र.3 निम्न प्रश्नों के निर्देशानुसार उत्तर दीजिए:-

1. निम्नलिखित शब्दों से उपसर्ग एवं मूलशब्द अलग-अलग कीजिए 1
प्रतिवेदन, निर्जीव
2. निम्नलिखित शब्दों से प्रत्यय एवं मूलशब्द अलग-अलग कीजिए 1
सदाचारी, साहित्यिक
3. निम्नलिखित शब्दों का समास विग्रह कर प्रकार भी लिखिए 1
परीकथा गरमागरम
4. पंक्तियों में प्रयुक्त अलंकार बताइए:- 1
(अ) मधुर-मधुर मुस्कान मनोहर।
(ब) रती-रती सोभा सब रती के सरीर की।
5. निर्देशानुसार वाक्य परिवर्तित कीजिए:- 1
(अ) अहा! कितना रमणीय दृश्य है। (वाक्य का प्रकार)
(ब) यहाँ सं चले जाओ। (विधानवाचक)

प्र.4 निम्नलिखित में से किन्हीं तीन प्रश्नों के उत्तर 25-30 शब्दों में दीजिए: 3×2=6

1. प्रेमचंद के जीवन में परदे का महत्व क्यों नहीं था?
2. गाँव में अतिथि के आगमन पर ग्रामवासियों के व्यवहार को वर्णित कीजिए।
3. लेखिका के स्वभाव पर नानी का क्या प्रभाव था?
4. लेखिका ने अपनी माँ को भारतीय माँ जैसा क्यों नहीं बताया?

प्र.3 व्याकरण लेखन: 4

आपके विद्यालय में बालमेला आयोजित होने जा रहा है इसके बारे में जानकारी शहर के प्रमुख पाँच विद्यालयों को ई मेल द्वारा दीजिए।

अथवा

आपके विद्यालय में हुए हॉकी मेच में विजेता एवं उपविजेता टीम के चार विद्यार्थियों के बीच होने वाले संवाद को लिखिए।
