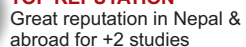
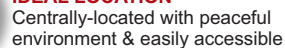
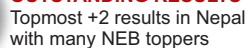
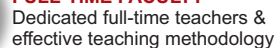
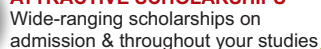
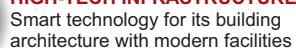
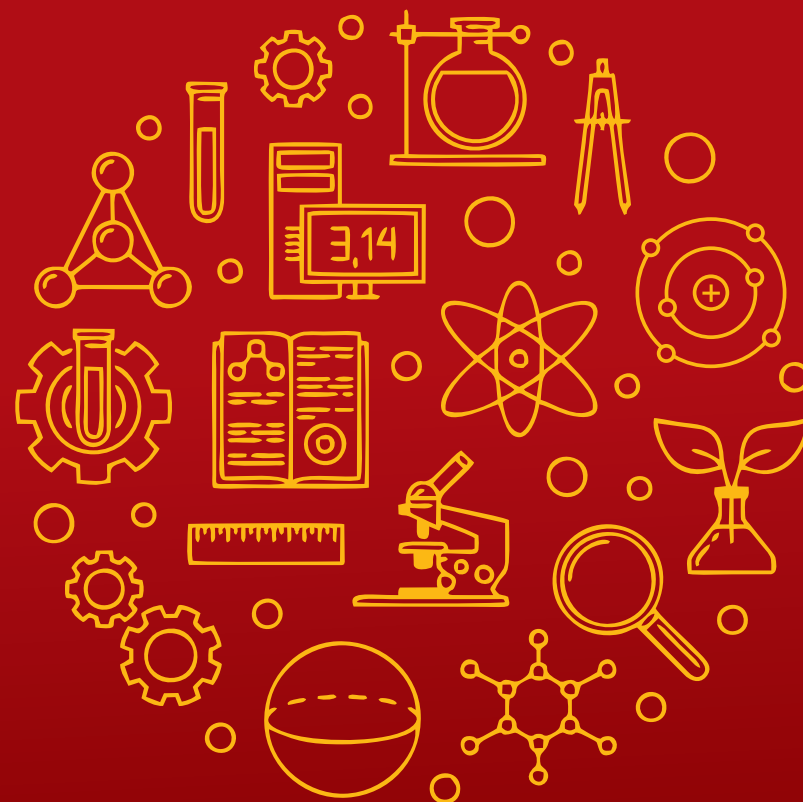


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ENTRANCE EXAM



Email: info@trinity.edu.np, www.trinity.edu.np

TRINITY
INTERNATIONAL
SS & COLLEGE

Education for the Future

PREFACE

Dear Students

Our purpose in developing and distributing this +2 Entrance Exam practice question booklet is twofold: It is essentially to assist you all – post-SEE students – preparing for +2 Entrance Exams to gain entry to colleges of your choice including Trinity. Further, and importantly, it may also help you in getting scholarships in different colleges.

There are 3 Full Practice Tests with answers that will prove very useful for competing students. The essentials of English, Mathematics, and General Knowledge subjects have been covered simply and clearly. Most questions herein relate to current or latest trends alongside the set and continuing patterns in competitive colleges or SS in the country.

Despite all our care and best intentions, there might still be some technical shortcomings for which we render our apologies.

Wishing you all **GREAT SUCCESS** in the forthcoming +2 Entrance Exams!

Trinity International SS & College
April 2026

Disclaimer

This Booklet provides guidelines, common steps or tips, and study & practice materials. It is not a complete solution package for all +2 entrance exams. We suggest students to study relevant textbooks and consult reference materials for entrance preparation.

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Preparing for Entrance Exams

Getting Acquainted

Get to know all about these Entrance Exams.

Follow these steps:

- The +2 Entrance Exams for courses in Science & Management of most of the good colleges in Kathmandu valley vary in their structure, duration, and content. Their length is normally limited to 100 Multiple Choice Questions – MCQs – though the time allotted could be from 75 to 120 minutes. The coverage of topic areas in different subjects may vary from college to college. *Significantly, a mastery of MCQs is the key to success!*
- As a rule, such exams, including the Kathmandu Metropolitan City (KMC) scholarship tests for students from either private or community schools, are held ONLY after the publication of the SEE results.
- Students are advised to be absolutely clear about which +2 course they would like to do depending on their area of interest or need.
- Students should carefully consider the options available to them in terms of the colleges they would like to or could join.

Preparing Yourself

Entrance tests need solid and timely preparation. So, remember these steps:

- Start preparing early instead of waiting till the last few days.
- Give time to master the subject matter and question types.
- Work regularly, systematically, and hard.
- Collect sample entrance test papers provided by different colleges.
- See past question papers of the colleges you are interested to join.
- Be clear about the format and content of the exams.
- Consult relevant textbooks and reference material.
- Concentrate upon learning how to answer **MCQs** effectively.

Doing Your Best

To prepare for an exam with MCQs, consider the following steps:

- Begin studying as early as feasible alone or in a group.
- Exams with MCQs tend to focus on memorizing details.
- Learn a little bit each day and allow plenty of time for repeated reviews.
- Pay particular attention to fundamental terms and concepts.
- Study your class notes and assigned readings.
- Make further notes and lists or tables.
- Brainstorm possible questions with other students doing these exams.
- Practice on sample or likely questions.
- Study carefully & systematically before the actual exams.

During the Exams

Keep in mind these steps for *all* exams:

- Pacing is what matters.
- Survey the entire test or exam quickly.
- Answer the questions you find easy.
- Do the questions you have left out.
- Finish in time.

Acing the Practice Tests

The following steps will help in doing the Practice Tests in this booklet properly:

- Enter all the required information – name/ID number – on the answer sheet.
- Read the directions carefully.
- Jot down important formulas and mnemonics you might forget.
- Survey the test.
- Note whether some sections are worth more points than others.
- Plan using your time accordingly.
- Skip questions that take long to answer and come back to them later.
- Use the process of elimination (PoE) to eliminate wrong choices.
- Guessing is useful when you exhaust all other strategies.
- Utilize hints from questions you know to answer dissimilar MCQs.
- Remember that you are looking for the best answer.
- Note that *the* answer is always there in the choices.
- Change your answer only when you have a concrete reason.
- Keep in mind that often first choices turn out to be right.
- Remember positive choices are more likely to be true than negative ones.
- Remember correct answers are often choices with the most information.
- Fill the right bubbles or boxes for choices carefully on the answer sheet.
- Use the remaining time to check careless errors or double-check answers.
- Ensure you answer every MCQ to the best of your knowledge.

MANAGEMENT**SET – A****ENGLISH**

1. One who is simply and easily deceived is
 A. Philatelist
 B. Gullible
 C. Belligerent
 D. Fastidious
2. Which of the following is the best analogy as, 'Jackals: Howl'?
 A. Mice: Chatter
 B. Lions: Snort
 C. Sheep: Bleat
 D. Hens: Croak
3. She chose to stay at home;, she felt terribly lonely.
 A. in spite of
 B. however
 C. even though
 D. despite
4. How many syllables does the word 'computer' have?
 A. Two
 B. One
 C. Three
 D. Four
5.called me, I would have missed my first class.
 A. Did they not
 B. Have they not
 C. Had they
 D. Had they not
6. In the sentence, "The dog barked all night yesterday.", the underlined verb is
 A. Transitive
 B. Intransitive
 C. Linking
 D. Modal Auxiliary
7. Mr. A could not run as fast as Mr. B. The underlined word in the sentence is a/an
 A. Adjective
 B. Adverb
 C. Noun
 D. Verb
8. Could you please drive slowly? Some elderly people the road.
 A. will cross
 B. have crossed
 C. are crossing
 D. will be crossing
9. Find the right combinations to arrange the four parts of a sentence split as A), B), C) and D).
 A) were held captive
 B) that the innocent people
 C) by the state
 D) some people believe
 A. DBCA
 B. DCBA
 C. DACB
 D. DBAC

10. The pronunciation of the word 'shorts' ends with
A. /s/ B. /z/
C. /ɪz/ D. /t/
11. The coach forbade the players.....junk food.
A. not to take B. to take
C. do not take D. from taking
12. Some students may find +2 journey more funschool life.
A. than B. then
C. as D. unlike
13. "Are you seriously considering this project an important one?" is an example of
A. Direct question B. Indirect question
C. 'Wh-' question D. Yes/No question
14. Which of the following sentences is grammatically correct?
A. The police arrived at the scene after the thieves ran away.
B. The police arrived at the scene after the thieves run away.
C. The police arrived at the scene after the thieves had run away.
D. The police arrived at the scene after the thieves were running away.
15. She insisted going on a tour.
A. for B. by C. with D. on
16. Each visitor with a warm hospitality.
A. are being welcomed B. are welcomed
C. was welcomed D. were welcomed
17. One should be ready to new challenges in life.
A. take off B. take away
C. take out D. take on
18. I always attend the regular classes I can confidently pass the final examination.
A. in order to B. therefore
C. so that D. otherwise
19. As an eloquent speaker, the manager could the employees to agree to her proposal.
A. convince B. antagonize
C. correct D. ameliorate
20. You not see the boss. You can simply talk to him on the telephone.
A. must B. ought
C. need D. can

21. Find the correctly spelt word.
A. Begining B. Begininng C. Beginning D. Beginiinng
22. Find the error: He delivered the speech clearly in spite of he lacked confidence.
A. He delivered B. the speech clearly
C. in spite of he lacked confidence D. No error
23. The result was published out of the blue. The underlined idiom means
A. Unexpectedly B. Expectedly
C. As planned D. Delayed
24. Which of the following terms refers to the practice of hiring people based on their family connections rather than merit?
A. Bureaucracy B. Favoritism
C. Nepotism D. Elitism
25. The correct passive structure for the given prompt 'He/know/be/me' is
A. He is known by me. B. He will be known by me.
C. He is known to me. D. He have been known to me.
26. He said to us, "Are you prepared for the exam?" Its indirect speech is
A. He wanted to know if we had been prepared for the exam.
B. He asked us if we are prepared for the exam.
C. He asked us if we have been prepared for the exam.
D. He asked us if we were prepared for the exam.
27. Which of the following is an example of a simple sentence?
A. Aakash and Rabi read and enjoy newspapers and magazines.
B. Aakash reads newspapers whereas Rabi reads magazines.
C. Rabi enjoys reading magazines but Aakash doesn't.
D. They went on a family tour; however, they didn't enjoy it.
28. She hardly lent her belongings to her friends during school,?
A. did she B. had she
C. didn't she D. does she
29. A: This letter is in Spanish, and I don't speak Spanish. Can you help me?
B: Sure. Iit for you.
A. am going to translate B. will be going to translate
C. have to translate D. will translate
30. A: How about enjoying a cup of coffee?
B: I can't. I Julia at the theatre at 5:30 pm.
A. will meet B. had to meet
C. am meeting D. am going to

The bus left the station at exactly 8:00 AM, and the passengers (37) their seats as the bus started its journey. The roads were bumpy, and every time the bus went over a pothole, the whole bus (38) a little. The driver kept his eyes on the road, but he occasionally (39) the rearview mirror to ensure everything was going smoothly. The trip was smooth, and they finally (40) the destination after two hours of travel.

37. A. settled B. checked C. adjusted D. rushed
38. A. shook B. somersaulted C. slowed D. swerved
39. A. glanced B. ignored C. searched D. waved
40. A. started B. reached C. passed D. halted

41. If $n(A - B) = 327$ and $n(B - A) = 217$ and $n(A \cup B) = 600$, Find $n(A \cap B)$.
A. 56 B. 46 C. 66 D. 36

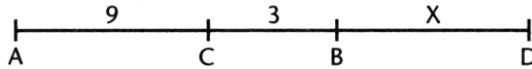
42. A survey of students in a class shows that 45 students like mathematics and 41 students who like English. If there are 12 students like both subjects, how many students like either Mathematics or English?
A. 66 B. 75 C. 98 D. 74

43. How many numbers in the set $\{-8, -5, 0, 10, 20\}$ satisfy the condition $|x - 5| < 11$?

A. One
B. Two
C. Three
D. Four

44. In the figure, $AC = 9$, $BC = 3$, and D is 3 times as far from A as from B. What is BD?

A. 6
B. 9
C. 12
D. 15



45. If n is a positive integer, which of the following is always odd?

A. $19n + 6$
B. $19n + 5$
C. $19n^2 + 5$
D. $18n + 5$

46. What is the simplified expression for $\frac{2x-4}{4x+20} \cdot \frac{x^2-25}{x^2-7x+10}$?

A. $\frac{1}{4}$
B. $\frac{1}{2}$
C. 2
D. 1

47. If y is the measure of an acute angle such that $\sin y = \frac{a}{5}$, then $\tan y =$

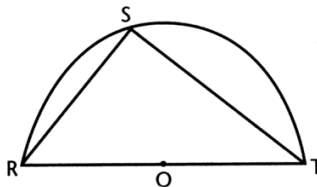
A. $\frac{\sqrt{25-a^2}}{5}$
B. $\frac{a}{\sqrt{25-a^2}}$
C. $\frac{1}{\sqrt{a^2+25}}$
D. $\frac{5}{\sqrt{25-a^2}}$

48. The legs of a right angle are in the ratio of 1 : 2. If the area of the triangle is 25, what is the hypotenuse?

A. $5\sqrt{3}$
B. $5\sqrt{5}$
C. $10\sqrt{3}$
D. $10\sqrt{5}$

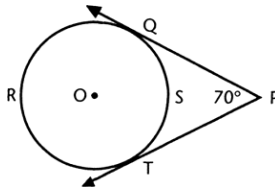
49. If RT is a diameter of the semicircle. If $RS = 2$ and $ST = 3$, then the area of the semicircle is

A. $\frac{13\pi}{2}$
B. $\frac{13\pi}{4}$
C. $\frac{13\pi}{6}$
D. $\frac{13\pi}{8}$



50. PQ and PT are tangent to circle O. If angle P measures 70° , what is the degrees measure of minor arc QT?

A. 140
B. 125
C. 120
D. 110



51. A man can do a job in h hours alone and his son can do it in $2h$ hours alone. Together, how many hours will it take them to do the job?

A. $3h$
B. $\frac{h}{3}$
C. $\frac{3h}{4}$
D. $\frac{2h}{3}$

52. What is the solution of the equation $p = \frac{ry}{r+y}$ for y ?

A. $\frac{r+p}{rp}$
B. $\frac{rp}{r-p}$
C. $\frac{r+p}{r-p}$
D. $\frac{r-p}{rp}$

53. If x is positive acute angle and $\tan x = p$, then what is $\cos x$?

A. $\frac{1}{\sqrt{p^2+1}}$
B. $\frac{p}{\sqrt{p^2+1}}$
C. $\frac{p}{\sqrt{p^2-1}}$
D. $\sqrt{p^2+1}$

54. $2x + 7y = 9$, $8x + 28y = a$

In the given system of equations, a is a constant. If the system has infinitely many solutions, what is the value of a ?

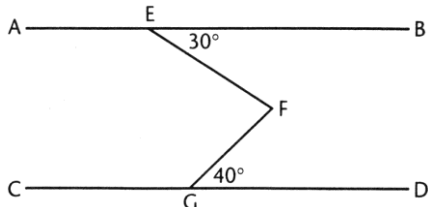
A. 4
B. 9
C. 36
D. 54

55. If the graphs of the equations $2x + 5y = 7$ and $6x + cy = 11$ are parallel lines, then what is c ?

A. 3
B. 5
C. 10
D. 15

56. In xy -plane, line l is perpendicular to line $4x - y = 1$ and contains the point $(0, 2)$, which one of the following is the equation of line l ?
A. $x + 4y = 8$
B. $4x - y = 2$
C. $4x + y = -2$
D. $4x + y = 8$
57. In xy -plane, the line with the equations $x + y = 15$ and $y = 3x - 1$ are intersecting at (a, b) . What is the value of $a - b$?
A. 11
B. 4
C. -7
D. -6
58. The equation $y = 7^x - 1$ is graphed in the xy -plane. What is the y -intercept of the graph?
A. $(0, -1)$
B. $(0, 7)$
C. $(0, 6)$
D. $(0, 0)$
59. If $m\%$ of 300 is 150, what is $m\%$ of 180?
A. 45
B. 90
C. 120
D. 360
60. 20% of what number is equal to $\frac{2}{3}$ of 90?
A. 30
B. 120
C. 300
D. 600
61. If $4x + 16 = 24$, what is the value of $x + 8$?
A. 14
B. 12
C. 10
D. 8
62. A couple plans to have three children, what is probability that exactly two will be boys?
A. $\frac{2}{3}$
B. $\frac{3}{8}$
C. $\frac{2}{8}$
D. 18
63. A bag contains 60 marbles. A marble is to be chosen from the bag. If the probability of blue marble being chosen is 0.35. How many marbles in the bag are blue?
A. 21
B. 25
C. 35
D. 39
64. If $\frac{1}{3}, y_1, y_2, 9$ are in G.P., then what is the value of y_2 ?
A. 1
B. 3
C. 6
D. $\frac{15}{2}$

65. If the radius of a circle is decreased by 30% by what percent will the area of circular region be decreased?
 A. 70% B. 60%
 C. 51% D. 49%
66. At what time a sum of money doubles itself at the rate of 8% p.a.?
 A. 8 years B. 10 years
 C. 12.5 years D. 16 years
67. Which one of the following is the compound interest of amount P after n years at the rate of r%?
 A. $P \left[\left(1 + \frac{r}{100} \right)^n - 1 \right]$ B. $P \left[\left(1 + \frac{r}{100} \right)^n + 1 \right]$
 C. $\left[\left(1 + \frac{r}{100} \right)^n - 1 \right]$ D. $P \left[\left(1 - \frac{r}{100} \right)^n + 1 \right]$
68. If $\frac{1}{x} + y = 2$ and $x + \frac{1}{y} = 3$, the ratio of x to y is equal to
 A. 1:2 B. 2:3
 C. 3:1 D. 3:2
69. The sum of the roots of $3x^2 - 4x + 4 = 0$ is
 A. $\frac{4}{3}$ B. $\frac{3}{4}$ C. $-\frac{4}{3}$ D. 4
70. If $x = 1 + \sqrt{2}$, then $x^2 - 2x + 1$ is equal to
 A. $1 + \sqrt{2}$ B. -1
 C. $\sqrt{2}$ D. 2
71. If $x = -8$, the value of $x^{2/3} + 2x^0$ is
 A. -2 B. 4
 C. 6 D. -6
72. If $2^{3x+10} = \left(\frac{1}{4}\right)^x$, x =
 A. -2 B. 1
 C. -1 D. 2
73. If $3x = 4y$, the value of $(x + y)^2 : (x - y)^2$ is
 A. 4 B. 9
 C. 49 D. 7
74. How many cubes with side 4 cm can be made from a cube with 16 cm in length?
 A. 4 B. 16
 C. 64 D. 404

75. The average of 34 students in a class is 13 years. If the age of a teacher is included, the average is increased by 1 year. What is the age of the teacher in years?
- A. 40
B. 48
C. 55
D. 65
76. If d is the diameter of a sphere. What is the surface area of the sphere?
- A. $4\pi d^2$
B. $2\pi d^2$
C. $\frac{\pi d^2}{4}$
D. πd^2
77. Two identical solid cubes of side a are joined end to end. Then what is volume of the resulting cuboid?
- A. a^3
B. $2a^3$
C. $8a^3$
D. $10a^2$
78. In the figure, AB is parallel to CD . How many degrees are there in angle EFG ?
- A. 90°
B. 10°
C. 60°
D. 70°
- 
79. If $3^{n-2} = \frac{1}{81}$, then value of n equal to
- A. 0
B. 1
C. 2
D. -2
80. If 6 Japanese yen = 5 Swedish kroner and 4 Swedish kroner = 3 Danish kroner, how many Japanese yen can be exchanged for 48 Danish kroner?
- A. 70.8 Yen
B. 76.8 Yen
C. 78.8 Yen
D. 77.8 Yen

GENERAL KNOWLEDGE

81. Who is known as the Magician of the East?
- A. Rabindranath Tagore
B. Guglielmo Marconi
C. Jagdish Chandra Boss
D. Karl Ferdinand Braun
82. Which of the following is the Global Social Worker known for 'carrying an owl'?
- A. Mary Seacole
B. Florence Nightingale
C. Elizabeth Gaskell
D. William Farr

83. Which is the largest river in Nepal?
A. Saptakoshi
B. Bagmati
C. Mahakali
D. Narayani
84. By approximately, how many times is China larger in area than Nepal?
A. 60 Times
B. 65 Times
C. 70 Times
D. 75 Times
85. How much is the average width of north-south of Nepal?
A. 173 km
B. 183 km
C. 193 km
D. 199 km
86. Who built the 'Rani Mahal' in Palpa?
A. Khadga Shamser
B. Bir Samser
C. Chandra Shamser
D. Bhimsen Thapa
87. Which country is known as the 'Land of Thunderbolts'?
A. China
B. Bhutan
C. Mongolia
D. Thailand
88. Which of the following dates is observed as Democracy Day in Nepal?
A. Falgun 07
B. Jestha 15
C. Ashoj 03
D. Chaitra 24
89. Which is the first country to approve a vaccine for Covid Omicron variant?
A. India
B. United States of America
C. United Kingdom
D. Italy
90. Which institution launched the 'Good for You, Good for the Planet' campaign?
A. UNEP
B. WWF
C. IMF
D. IEA
91. Which famous personality does the phrase "That's one small step for a man, one giant leap for mankind" belong to?
A. Neil Armstrong
B. Nelson Mandela
C. Mother Teresa
D. Aristotle
92. Which is the second-largest cricket ground in the world, by capacity?
A. Eden Gardens Cricket Ground
B. Melbourne Cricket Ground
C. Perth Stadium Cricket Ground
D. Adelaide Oval Cricket Ground

93. Who is the author of the Harry Potter book series?
A. J.R.R. Tolkien
B. Dan Brown
C. George R.R. Martin
D. J.K. Rowling
94. What is the full form of SEE?
A. Secondary Examination for Education
B. Secondary Education Examination
C. Secondary Enteral Examination
D. Secondary Exam Education
95. When was Nepal Rastra Bank, the central bank of Nepal, established?
A. 2003 BS
B. 2023 BS
C. 2013 BS
D. 2033 BS
96. Which of the following games is Gaurika Singh known for?
A. Basket Ball
B. Cricket
C. Foot Ball
D. Swimming
97. Who was awarded the Nobel Memorial Prize in Economic Sciences in 2024?
A. Daron Acemoglu
B. Simon Johnson
C. James A. Robinson
D. All of them
98. Which of the following is an unmatched pair?
A. Anju Panta :: Singer
B. Rajesh Hamal :: Actor
C. Gagan Thapa :: Player
D. Amar Neupane :: Writer
99. Which player has scored a record of 938 official goals in football?
A. Cristiano Ronaldo
B. Lionel Messi
C. Ronaldinho Gaucho
D. Diego Maradona
100. Which country contains the largest number of volcanoes in the world?
A. Indonesia
B. Maldives
C. South Africa
D. Mexico



DO NOT WRITE OR SCRIBBLE HERE

ANSWER SHEET - SET A

Exam Date: _____

Exam Time: _____

Name in BLOCK LETTERS

FIRST	MIDDLE	LAST

Card Number				
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

INSTRUCTIONS FOR STUDENTS

- Write the Card number in digits in the boxes and mark the bubble on the corresponding number in the box below the digit.
- Do not alter or erase your answer.
- Use only black pen.
- Fill the circle completely while bubbling the answer.
- Do not mark any stray mark or rough work on the sheet.

Wrong Methods



Right Methods



INVIGILATOR'S SIGNATURE

APPLICANT'S SIGNATURE

Question SET (A)

Stream: _____

Room No.: _____

Q No. 1 - 25

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Q No. 26 - 50

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Q No. 51 - 75

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Q No. 76 - 100

- A B C D
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- A B C D

DO NOT WRITE OR SCRIBBLE HERE

MANAGEMENT**SET – B****ENGLISH**

1. is NOT a phrasal modal verb.

A. Have to	B. Must
C. Used to	D. Be supposed to
2. 'He can't figure out what she wants' is an example of.....

A. Simple sentence	B. Complex sentence
C. Compound sentence	D. Compound complex sentence
3. He.....me five thousand rupees last month.

A. lend	B. lent
C. have lent	D. had lent
4. Thomas on computer for an hour when his friends arrived.

A. worked	B. had been working
C. had worked	D. has been working
5. The correct '-ing' form of 'die' is.....

A. dying	B. dieing	C. dyeing	D. diying
----------	-----------	-----------	-----------
6. The word 'bury' best rhymes with.....

A. hurray	B. cherry
C. story	D. sorry
7. Choose the grammatically correct sentence.

A. When the sun raises, it is appearing below the horizon.	B. When the sun rises, it is appearing below the horizon.
C. When the sun rises, it appears below the horizon.	D. When the sun rise, it appears below the horizon.
8. Dianaher clothes every other day or so.

A. has washed	B. washes
C. will wash	D. was washing
9. Which of the following words has final /t/ sound?

A. Started	B. Barked
C. Wired	D. Cried
10. The past participle form of the verb 'mistake' is.....

A. mistaken	B. mistook
C. mistaked	D. mistaking

11. My father and motherabout something when I ...into the room.
A. argued, walk
B. were arguing, was walking
C. were arguing, walked
D. had been arguing, was walking
12. They.....attended any parties since they came here.
A. didn't attend
B. weren't attending
C. hadn't attended
D. haven't attended
13. A: You have extremely high fever. You should see a doctor.
B: I know. I Dr. Joshi this afternoon.
A. will see
B. will have seen
C. will be seeing
D. am seeing
14. You can go on your vacation. Don't worry about the pending work. By the time you..... back, we..... everything.
A. will get, will be managing
B. get, will have managed
C. got back, will have managed
D. will have got back, will manage
15. What part of the given sentence is grammatically incorrect?
He wants to get married, but he doesn't meet the right person yet.
A. He wants to get married
B. Yet
C. He doesn't meet
D. The right person
16. all the passengers get on the train, the doors will be closed.
A. While
B. The last time
C. Every time
D. As soon as
17. Which of the following words has a different final sound?
A. Bags
B. Seats
C. Backs
D. Ropes
18. The children entered..... the classroom and sat on their respective chairs.
A. in
B. through
C. into
D. No preposition
19. The analogy similar to "Listen: record" is
A. Attend: Movie
B. Taste: Salt
C. Read: Book
D. Touch: Paper
20. Fifteen minutes not enough to complete this task.
A. is
B. are
C. has
D. have
21. Find the correctly spelt word.
A. Grammar
B. Grammer
C. Gramaar
D. Grammaer

22. One who draws maps and charts is
 A. Cacographist
 B. Connoisseur
 C. Kleptomaniac
 D. Cartographer
23. The student was nervous about her presentation, but she decided to **bite the bullet** and give her best." What does "**bite the bullet**" mean in this sentence?
 A. To do something painful but necessary
 B. To give up and avoid doing something
 C. To act with caution
 D. To talk to someone for advice
24. Which of the following terms refers to **the belief that a small, privileged group of people**, often those with wealth, power, or talent, are superior to others and should have special privileges or control over decisions in society?
 A. Bureaucracy
 B. Favoritism
 C. Nepotism
 D. Elitism
25. The correct passive structure for the given prompt 'The detainees/have/charge/felony' is
 A. The detainees has been charged with felony.
 B. The detainees have been charged of felony.
 C. The detainees have been charged with felony.
 D. The detainees were charged with felony.
26. She said, "Hurray, I passed SEE with flying colors!" Its indirect speech is
 A. She said that she passed SEE with flying colors.
 B. She exclaimed that she passed SEE with flying colors.
 C. She exclaimed that she had passed SEE with flying colors.
 D. She exclaimed that she did pass SEE with flying colors.
27. He admitted in the wrong doing.
 A. getting involved
 B. to get involved
 C. to have been involved
 D. to involve
28. This is our favorite college,?
 A. is it
 B. is this
 C. isn't this
 D. isn't it
29. A: This question seems a bit difficult and puzzling.
 B: Iyou.
 A. will help
 B. am going to help
 C. will be helping
 D. am helping

30. The sky looks crystal clear with no patches of cloud visible. The most suitable conclusion based on the situation is:
A. It can't rain soon.
B. It mustn't rain soon.
C. It is likely to rain soon.
D. It is unlikely to stop the downpour soon.
31. Which of the following sentences is correct?
A. Let's discuss about world geo-politics.
B. Let's discuss world geo-politics.
C. Let's not there be no any discussion about world geo-politics.
D. Let's discussed world geo-politics.
32. The news..... been published soon.
A. has
B. have
C. will be
D. will have been
33. She.....three novels so far. She is working on a new one.
A. has published
B. published
C. had published
D. will have published
34. The leaves.....gently to the ground with the arrival of autumn.
A. slammed
B. drifted
C. screamed
D. pounded
35. This theory is quite confusing. Will you please explain it.....me.
A. for
B. with
C. to
D. by
36.my friend was watching a movie; I went for a walk.
A. Until
B. As long as
C. While
D. Just before

Instructions: In the following passage, some of the words (37-40) have been left out. Read the passage and mark the answer.

As they made their way higher up the mountain trail, the hikers began to feel the air becoming chillier and thinner. The path grew steeper, forcing them to (37) their pace to keep from tiring too quickly. A gentle snowfall began, blanketing the trees and rocks in a soft white coat. At one point, Maya lost her footing but quickly(38) her balance. They took a short break to (39) some water and enjoy the stunning view of the valley stretching out below. Feeling refreshed, they pressed on, hoping to (40) the summit before sunset.

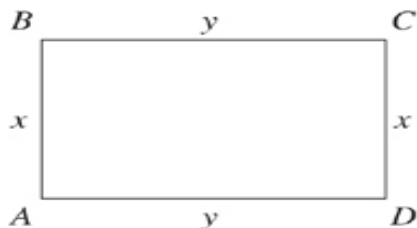
37. A. measure B. increase C. slow D. follow

38. A. restored B. caught C. gained D. recovered
39. A. gulp B. spill C. sip D. throw
40. A. reach B. examine C. miss D. lift

MATHEMATICS

41. If $n(A) = 40$, $n(B) = 50$, $n(U) = 200$ and $n(A \cap B) = 20$ then $n(\overline{A \cup B}) =$
A. 20 B. 130 C. 40 D. 100
42. Which one of the following defined statement for $A \cup B$?
A. $\{x: x \in A \text{ and } x \in B\}$ B. $\{x: x \notin A \text{ and } x \notin B\}$
C. $\{x: x \in A \text{ and } x \notin B\}$ D. $\{x: x \in A \text{ or } x \in B\}$
43. When k is subtracted from 10, and the difference is divided by 2, the result is 3. What is the value of k ?
A. 3 B. 4 C. 6 D. 10
44. The sum of the digits of a two-digits number is 8. If 18 is subtracted from the number the digits are reversed. What is the original number?
A. 35 B. 44 C. 53 D. 62
45. A fraction becomes $\frac{4}{5}$ if 2 is added to the numerator. If 1 is subtracted from the denominator, the fraction becomes $\frac{3}{4}$. What was the original fraction?
A. $\frac{18}{25}$ B. $\frac{20}{25}$ C. $\frac{24}{25}$ D. $\frac{25}{18}$
46. The area of an isosceles triangle is 12cm^2 and its base is 8cm. Find the length of equal sides of the triangle.
A. 6cm B. 8cm C. 5cm D. 7cm
47. If the perimeter of rectangle ABCD is equal to p , and $x = \frac{2}{3}y$, what is the value of y in terms of p ?

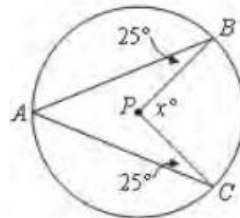
- A. $\frac{p}{10}$
B. $\frac{3p}{10}$
C. $\frac{p}{3}$
D. $\frac{2p}{5}$



57. Which of the following is a factor of $3x^3 - 11x^2 - 42x$?
- A. $x - 7$ B. x
 C. $3x - 6$ D. $x + 6$
58. If the perimeter of square is 28, what is the length of the diagonal?
- A. $2\sqrt{14}$ B. $7\sqrt{2}$
 C. $7\sqrt{3}$ D. 14
59. If $a^m = a^n$, then what is the relation between m and n?
- A. $m + n = 1$ B. $m - n = 0$
 C. $m \cdot n = 0$ D. $\frac{m}{n} = 0$
60. If $10^{3y-3} = \frac{1}{0.001}$, then what will be the value of y?
- A. 3 B. 4
 C. 1 D. 2
61. Which one of the following is simplest form for $\frac{2^{n+4} - 2(2^n)}{2(2^{n+3})}$?
- A. $\frac{1}{2}$ B. $\frac{1}{4}$
 C. $\frac{7}{8}$ D. $\frac{5}{8}$
62. If $\frac{1}{x} + y = 2$ and $x + \frac{1}{y} = 3$, the ratio of x to y is equal to
- A. 1:2 B. 2:3 C. 3:1 D. 3:2
63. What is the total surface area of a cone of radius 7cm and height 24cm?
- A. 710 cm^2 B. 704 cm^2
 C. 700 cm^2 D. 725 cm^2
64. 1 litre = ----- cubic centimeter.
- A. 1000 B. 100
 C. 10 D. 1
65. If the radius of a sphere is doubled, what is the percent increase in the surface area?
- A. 100 B. 200
 C. 300 D. 400
66. In a cube, the ratio of the longest diagonal to a diagonal of a base is
- A. $\sqrt{2} : \sqrt{3}$ B. $\sqrt{3} : \sqrt{2}$
 C. 2:1 D. $\sqrt{6} : \sqrt{2}$

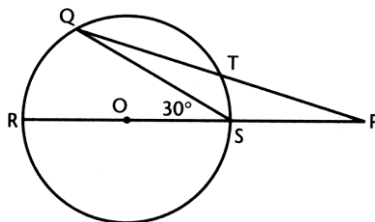
67. In a bag there are 7 red and 5 blue color balls. In how many ways can two different colored balls be selected if the balls are drawn without replacement method?
- A. $\frac{35}{132}$ B. $\frac{35}{66}$
 C. $\frac{12}{35}$ D. $\frac{5}{11}$
68. A laptop which is priced at Rs. 45000 is sold at a discount of 12%. If the selling price of the laptop including VAT is Rs. 44748, what is the rate of VAT?
- A. 13% B. 14%
 C. 15% D. 12%
69. If the graphs of the equations $2x + 5y = 7$ and $6x + cy = 11$ are parallel lines, the what is c?
- A. 3 B. 5
 C. 10 D. 15
70. If the graphs of $x - ay = 10$ and $2x - y = 3$ are perpendicular lines, then value of a =
- A. 2 B. -1
 C. -2 D. 1
71. A car drives a distance of d miles at 30 mph and returns at 60 mph. What is the average rate for the round trip?
- A. 40mph B. 43mph
 C. $\frac{2d}{35}$ D. $\frac{35}{2d}$

72. If P is the centre of the circle in the figure shown. What is the value of x?



- A. 50
 B. 75
 C. 80
 D. 100
73. Opposite angles of cyclic quadrilateral are
- A. equal B. complementary
 C. supplementary D. double of each other

74. In the figure alongside $\angle QSR = 30^\circ$ in circle O. What is the measure of angle QPR?



- A. 10
B. 15
C. 20
D. Cannot determine
75. If x is positive acute angle and $\tan x = p$, then what is $\cos x$?
- A. $\frac{p}{\sqrt{p^2+1}}$
B. $\frac{1}{\sqrt{p^2+1}}$
C. $\frac{p}{\sqrt{p^2-1}}$
D. $\sqrt{p^2+1}$
76. The radius of the circle passing through the point $(6, 2)$ whose two diameters are $x + y = 6$ and $x + 2y = 4$ is
- A. $2\sqrt{5}$
B. 6
C. 4
D. 10
77. A circle of radius x has an area twice that of a square of side a . The equation used to find the radius of the circle is
- A. $2\pi x^2 = a^2\pi$
B. $\pi x^2 = 2a^2$
C. $a^2 = 2x^2$
D. $\pi a^2 = 4x^2$
78. If the graph of the equation $x + y - 8 + 4k = 0$ passes through the origin, then value of k is equal to
- A. -2
B. 2
C. 0
D. 1
79. If n^{th} term of a sequence is $b^{3n} - 3$ and the second term of the sequence is 61, which one of the following could be the value of b ?
- A. 1
B. 2
C. 3
D. 4
80. If n is an even integer, which one of the following must be an odd integer?
- A. $3n - 2$
B. $3(n + 1)$
C. $n - 2$
D. $\frac{n}{3}$

GENERAL KNOWLEDGE

81. Which Malla king introduced copper money?
- A. Bhimsen Thapa
B. Ratna Malla
C. Jayaprakash Malla
D. Mandev

82. When was the Bir Hospital built?
A. 1947 B.S. B. 1956 B.S.
C. 1965 B.S. D. 1998 B.S.
83. Which is the largest district in terms of area in Nepal?
A. Kathmandu B. Chitwan
C. Rolpa D. Dolpa
84. Which one is the smallest ocean in the world?
A. Indian B. Pacific
C. Arctic D. Atlantic
85. Which country gifted the 'Statue of Liberty' to USA in 1886?
A. France B. Canada
C. Brazil D. England
86. When was the National Assembly election held?
A. Bhadra 05, 2074 B.S. B. Magh 24, 2074 B.S.
C. Baishakh 03, 2074 B.S. D. Jestha 08, 2074 B.S.
87. Which famous personality does the phrase "Education is the most powerful weapon which you can use to change the world" belong to?
A. Walt Disney B. Nelson Mandela
C. Mother Teresa D. Aristotle
88. Which is the highest snow source river in Nepal?
A. Bhote Koshi B. Sun Koshi
C. Tamor D. Dudh Koshi
89. What is the full form of 'CIB'?
A. Central Investigation Bureau B. Crime Investigation Bureau
C. Central Investigation Board D. Central Investigation Bribe
90. Which Country won the first FIFA World Cup?
A. Argentina B. Uruguay
C. Italy D. Brazil
91. When is the World Humanitarian Day (WHD) observed every year?
A. August 19 B. August 9
C. August 22 D. August 12
92. What does the Blue Color Ring represent in the Olympic Rings?
A. Africa B. Asia
C. Oceania D. Europe
93. Which was the first Sport played on the Moon?
A. Tennis B. Badminton
C. Golf D. Archery

94. How many local levels are there in Nepal?
A. 701
B. 601
C. 753
D. 243
95. Which company acquired the Cloud Services Start-up 'Cloudify'?
A. Microsoft
B. Dell
C. Samsung
D. Google
96. In which decade was the telephone invented?
A. 1850s
B. 1860s
C. 1870s
D. 1880s
97. Which continent has the highest number of countries?
A. Asia
B. Europe
C. North America
D. Africa
98. How many provinces are there in Nepal at present?
A. 7
B. 75
C. 14
D. 77
99. How many Umpires are there in a Cricket Match?
A. 1
B. 2
C. 3
D. 4
100. Who won the first T20 World Cup?
A. Pakistan
B. India
C. Sri Lanka
D. West Indies



Exam Date: _____

Exam Time:

Name in BLOCK LETTERS

Card Number				
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

INSTRUCTIONS FOR STUDENTS

1. Write the Card number in digits in the boxes and mark the bubble on the corresponding number in the box below the digit.
2. Do not alter or erase your answer.
3. Use only black pen.
4. Fill the circle completely while bubbling the answer.
5. Do not mark any stray mark or rough work on the sheet.

Wrong Methods

Right Methods



Ⓐ Ⓑ ● Ⓓ

INVIGILATOR'S SIGNATURE

APPLICANT'S SIGNATURE

Stream: _____

Room No.: _____

Q No. 1 - 25

1. (A) (B) (C) (D)
2. (A) (B) (C) (D)
3. (A) (B) (C) (D)
4. (A) (B) (C) (D)
5. (A) (B) (C) (D)
6. (A) (B) (C) (D)
7. (A) (B) (C) (D)
8. (A) (B) (C) (D)
9. (A) (B) (C) (D)
10. (A) (B) (C) (D)
11. (A) (B) (C) (D)
12. (A) (B) (C) (D)
13. (A) (B) (C) (D)
14. (A) (B) (C) (D)
15. (A) (B) (C) (D)
16. (A) (B) (C) (D)
17. (A) (B) (C) (D)
18. (A) (B) (C) (D)
19. (A) (B) (C) (D)
20. (A) (B) (C) (D)
21. (A) (B) (C) (D)
22. (A) (B) (C) (D)
23. (A) (B) (C) (D)
24. (A) (B) (C) (D)
25. (A) (B) (C) (D)

Q No. 26 - 50

26. ☐ A ☐ B ☐ C ☐ D
27. ☐ A ☐ B ☐ C ☐ D
28. ☐ A ☐ B ☐ C ☐ D
29. ☐ A ☐ B ☐ C ☐ D
30. ☐ A ☐ B ☐ C ☐ D
31. ☐ A ☐ B ☐ C ☐ D
32. ☐ A ☐ B ☐ C ☐ D
33. ☐ A ☐ B ☐ C ☐ D
34. ☐ A ☐ B ☐ C ☐ D
35. ☐ A ☐ B ☐ C ☐ D
36. ☐ A ☐ B ☐ C ☐ D
37. ☐ A ☐ B ☐ C ☐ D
38. ☐ A ☐ B ☐ C ☐ D
39. ☐ A ☐ B ☐ C ☐ D
40. ☐ A ☐ B ☐ C ☐ D
41. ☐ A ☐ B ☐ C ☐ D
42. ☐ A ☐ B ☐ C ☐ D
43. ☐ A ☐ B ☐ C ☐ D
44. ☐ A ☐ B ☐ C ☐ D
45. ☐ A ☐ B ☐ C ☐ D
46. ☐ A ☐ B ☐ C ☐ D
47. ☐ A ☐ B ☐ C ☐ D
48. ☐ A ☐ B ☐ C ☐ D
49. ☐ A ☐ B ☐ C ☐ D
50. ☐ A ☐ B ☐ C ☐ D

Q No. 51 - 75

51.

A	B	C	D
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52.

A	B	C	D
---	---	---	---
53.

A	B	C	D
---	---	---	---
54.

A	B	C	D
---	---	---	---
55.

A	B	C	D
---	---	---	---
56.

A	B	C	D
---	---	---	---
57.

A	B	C	D
---	---	---	---
58.

A	B	C	D
---	---	---	---
59.

A	B	C	D
---	---	---	---
60.

A	B	C	D
---	---	---	---
61.

A	B	C	D
---	---	---	---
62.

A	B	C	D
---	---	---	---
63.

A	B	C	D
---	---	---	---
64.

A	B	C	D
---	---	---	---
65.

A	B	C	D
---	---	---	---
66.

A	B	C	D
---	---	---	---
67.

A	B	C	D
---	---	---	---
68.

A	B	C	D
---	---	---	---
69.

A	B	C	D
---	---	---	---
70.

A	B	C	D
---	---	---	---
71.

A	B	C	D
---	---	---	---
72.

A	B	C	D
---	---	---	---
73.

A	B	C	D
---	---	---	---
74.

A	B	C	D
---	---	---	---
75.

A	B	C	D
---	---	---	---

Q No. 76 - 100

76. ☐ A ☐ B ☐ C ☐ D
77. ☐ A ☐ B ☐ C ☐ D
78. ☐ A ☐ B ☐ C ☐ D
79. ☐ A ☐ B ☐ C ☐ D
80. ☐ A ☐ B ☐ C ☐ D
81. ☐ A ☐ B ☐ C ☐ D
82. ☐ A ☐ B ☐ C ☐ D
83. ☐ A ☐ B ☐ C ☐ D
84. ☐ A ☐ B ☐ C ☐ D
85. ☐ A ☐ B ☐ C ☐ D
86. ☐ A ☐ B ☐ C ☐ D
87. ☐ A ☐ B ☐ C ☐ D
88. ☐ A ☐ B ☐ C ☐ D
89. ☐ A ☐ B ☐ C ☐ D
90. ☐ A ☐ B ☐ C ☐ D
91. ☐ A ☐ B ☐ C ☐ D
92. ☐ A ☐ B ☐ C ☐ D
93. ☐ A ☐ B ☐ C ☐ D
94. ☐ A ☐ B ☐ C ☐ D
95. ☐ A ☐ B ☐ C ☐ D
96. ☐ A ☐ B ☐ C ☐ D
97. ☐ A ☐ B ☐ C ☐ D
98. ☐ A ☐ B ☐ C ☐ D
99. ☐ A ☐ B ☐ C ☐ D
100. ☐ A ☐ B ☐ C ☐ D

DO NOT WRITE OR SCRIBBLE HERE

MANAGEMENT**SET – C****ENGLISH**

1. Romit had better.....from the college. It is his BSc CSIT 8th semester.

A. Drop out	B. Not drop out
C. Not dropped out	D. Dropped out
2. Keep your voice low, please. The baby.....

A. Has slept	B. Was sleeping
C. Is sleeping	D. Will be sleeping
3. The teacher asked the student.....

A. Why she was absent the previous week.	B. Why she had been absent the previous week.
C. Why she were absent the previous week.	D. Why she remained absent the previous week.
4. He never breaks promises, and.....

A. Neither she does.	B. So does she.
C. She does either.	D. Neither does she.
5. You need not do it now,.....? Its tag question is

A. Do you	B. Don't you
C. Need you	D. Needn't you
6. Which of the followings is not the singular noun?

A. Phenomena	B. Analysis
C. Syllabus	D. Crisis
7. The correctly spelt word is

A. Remuneration	B. Renuimeration
C. Remuineration	D. Reimuneration
8. The word 'pass' best rhymes with.....

A. bass	B. grass
C. crash	D. splash
9. Choose the grammatically correct sentence.

A. They are preparing for the exam all day long.	B. They were preparing for the exam all day long.
C. They have been preparing for the exam all day long.	D. They are not preparing for the exam all day long.

10. The explanation satisfied the teacher.
A. The teacher was satisfied with the explanation.
B. The teacher had not been satisfied with the explanation.
C. The teacher was satisfied by the explanation.
D. The teacher has not been satisfied by the explanation.
11. Which of the following words has final /ɪz/ sound?
A. Badges
B. Bags
C. Tags
D. Trees
12. The past participle of the verb 'forsake' is.....
A. forsaken
B. forsook
C. forsaked
D. forsaking
13. My brother.....meal when Ihome.
A. Prepared, reached
B. Had prepared, had reached
C. Had prepared, reached
D. Did prepare, reached
14. The children have been watching Television.
A. A
B. An
C. The
D. No article
15. A: Don't you think you should join tuition classes?
B: I think it's a good idea. Iover it.
A. Am going to think
B. Am thinking
C. Will think
D. Will be thinking
16. My father was bornJanuary, 1987.
A. In
B. On
C. At
D. By
17. Unless youearly, you won't reach the destination on time.
A. Set off
B. Don't set off
C. Will set off
D. Won't set off
18. What part of the given sentence is grammatically incorrect?
She scored very good marks in the entrance examination because she prepared well.
A. She scored
B. Very good marks
C. In the entrance examination
D. She prepared well
19. we had a talk was during Inter School Futsal Competition.
A. While
B. The last time
C. Every time
D. As soon as

20. What does the idiom "the grass is always greener on the other side" mean?
 - A. Other people's situations often seem better than yours
 - B. The other side is more fertile
 - C. People on the other side are more advanced
 - D. The other side of the hill is more beautiful
21. The baby girl resembles.....her father.
 - A. with
 - B. to
 - C. No preposition
 - D. from
22. The analogy similar to "Stench: nose" is
 - A. Calligraphy: eye
 - B. Cacophony: ear
 - C. Retina: eye
 - D. Piquancy: taste
23. All the furniture.....been removed.
 - A. Has
 - B. Have
 - C. Are
 - D. Were
24. The word 'verb' is a.....
 - A. Verb
 - B. Adverb
 - C. Noun
 - D. Adjective
25. One who is capable of using both hands equally effectively
 - A. Dexterous
 - B. Ambidextrous
 - C. Versatile
 - D. Oculist
26. "After graduation, he went back to the village where he was born." This sentence is an example of
 - A. Simple sentence
 - B. Compound sentence
 - C. Complex sentence
 - D. Compound-complex sentence
27. English language has.....consonant and vowel sounds respectively.
 - A. 20, 24
 - B. 24, 24
 - C. 24, 22
 - D. 24, 20
28. The correct passive structure for the given prompt 'The paper/be/tear/the child/yesterday' is
 - A. The paper were torn by the child yesterday.
 - B. The paper was torn by the child yesterday.
 - C. The paper had been torn by the child yesterday.
 - D. The paper was been torn by the child yesterday.
29. He said, "I am totally innocent of this crime." Its indirect speech is
 - A. He said that he was totally innocent of that crime.
 - B. He said that he was totally innocent of this crime.
 - C. He said that he were totally innocent of that crime.
 - D. He said that he had been totally innocent of that crime.

30. He hesitated.....part in the competition.
A. Taking B. To take
C. To have taken D. Not to have taken
31. Nothing comes free of cost,.....? Its tag question is
A. Doesn't it B. Is it
C. Isn't it D. Does it
32. A: I am sorry I can't join you at 2 pm this Saturday. Ia seminar.
A. Will attend B. Want to attend
C. Am attending D. Will be attending
33. They have been to France just for a couple of weeks. So,.....
A. They must speak French well. B. They have to speak French well.
C. They can't speak French well. D. They should speak French well.
34. The thunder _____ across the valley, shaking the windows.
A. Whispered B. Rumbled
C. Hummed D. Creaked
35. Let me know as soon as you arrive.....the airport.
A. in B. on
C. at D. around
36. you are honest to yourself; you don't need to worry much.
A. Until B. As long as
C. While D. Just before

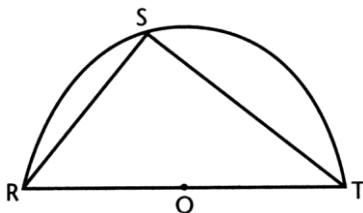
Instructions: In the following passage, some of the words (37-40) have been left out. Read the passage and mark the answer.

As more people use the internet for shopping and banking, it's important to (37) personal information safe. One way to do this is to use strong passwords and avoid clicking suspicious links. Many websites now (38) two-factor authentication to add an extra layer of security. If a user's data is stolen, they should act quickly to (39) their passwords and monitor their accounts. Staying informed can help people (40) online threats more effectively.

- | | | | |
|---------------|----------|------------|-----------|
| 37. A. share | B. store | C. keep | D. hack |
| 38. A. ignore | B. offer | C. delete | D. demand |
| 39. A. update | B. guess | C. recover | D. remove |
| 40. A. reduce | B. face | C. avoid | D. handle |

MATHEMATICS

41. If $m\%$ of 300 is 150, what is $m\%$ of 180?
 A. 45
 B. 90
 C. 120
 D. 360
42. 20% of what number is equal to $\frac{2}{3}$ of 90?
 A. 30
 B. 120
 C. 300
 D. 600
43. $2x + 3y = 1200$
 $3x + 2y = 1300$
 Based on the system of equations above, what is the value of $5x + 5y$?
 A. 500
 B. 1000
 C. 2300
 D. 2500
44. If $u + t = 5$ and $u - t = 2$, what is the value of $(u - t)(u^2 - t^2)$?
 A. 10
 B. 20
 C. 25
 D. 50
45. A book was on sale at 40% off its original price. If the sale price of the book was Rs. 18, what was the original price of the book?
 A. Rs. 7.20
 B. Rs. 10.80
 C. Rs. 30.00
 D. Rs. 45.00
46. A right circular cone has a volume of 24π cubic inches. If the height of the cone is 2 inches, what is the radius, in inches, of the base of the cone?
 A. $2\sqrt{3}$
 B. 6
 C. 12
 D. 36
47. If RT is a diameter of the semicircle. If $RS = 2$ and $ST = 3$, then the area of the semicircle is
 A. $\frac{13\pi}{2}$
 B. $\frac{13\pi}{4}$
 C. $\frac{13\pi}{6}$
 D. $\frac{13\pi}{8}$



48. Which of the following gives the radius of the sphere in terms of the volume of the sphere?

A. $\sqrt{\frac{V}{4\pi}}$

B. $\sqrt{\frac{3V}{4\pi}}$

C. $\sqrt[3]{\frac{3V}{4\pi}}$

D. $\frac{V}{\sqrt[3]{4\pi}}$

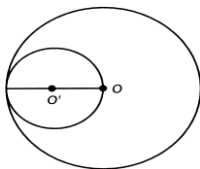
49. Circles O and O' are internally tangent to each other. Circle O' passes through the center of O. If the area of circle O is 16, the area of circle O' is

A. $2\sqrt{2}$

B. 2

C. $2\sqrt{\pi}$

D. 4



50. A boy grew one year from a height of x inches to a height of y inches. The percent of increase was

A. $\frac{100(y-x)}{y}$

B. $\frac{100(y-x)}{x}$

C. $\frac{y-x}{x}$

D. $\frac{y-x}{100}$

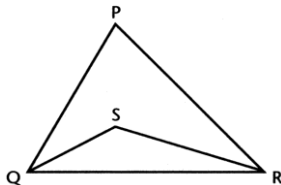
51. Given $\triangle PQR$, $\angle P = 70^\circ$, QS bisects $\angle Q$, and RS bisects $\angle R$ and $\angle S =$

A. 125°

B. 120°

C. 115°

D. 110°



52. If $f(x) = 5x - 3$ and $f(t) = 7$, what is the value of t?

A. 0

B. 1

C. 2

D. 32

53. Let x be the angle formed by the diagonal of the face of a cube and the diagonal of the cube, drawn from the same vertex. $\cos^2 x =$

A. $\frac{2}{3}$

B. $\frac{1}{3}$

C. $\frac{1}{2}$

D. 1

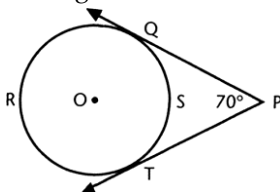
54. A couple plans to have three children, what is probability that exactly two will boys?
- A. $\frac{2}{3}$ B. $\frac{3}{8}$ C. $\frac{2}{8}$ D. 18
55. A bag contains 60 marbles. A marble is to be chosen from the bag. If the probability of blue marble chosen is 0.35. How many marbles in the bag are blue?
- A. 21 B. 25 C. 35 D. 39
56. If t_1, t_2, t_3 are in AP, then $\frac{t_1}{k}, \frac{t_2}{k}, \frac{t_3}{k}, \dots$ are in
- A. AP B. GP C. HP D. none
57. The population of a town increases at the rate of 5% per annum and the present population of the town is 185220. What was the population of town 3 years ago?
- A. 160000 B. 170000 C. 180000 D. 150000
58. A flask contains 40 grams of solution that is 25% sugar by weight. How much sugar must be added to the flask so that the resulting solution is 40% sugar by weight?
- A. 6 B. 8 C. 10 D. 15
59. If $n(A - B) = 327$ and $n(B - A) = 217$ and $n(A \cup B) = 600$, Find $n(A \cap B)$.
- A. 56 B. 46 C. 66 D. 36
60. A survey of students in a class shows that 45 students like mathematics and 41 students like English. If 12 students, how many students like either mathematics or English?
- A. 66 B. 75 C. 98 D. 74
61. How many numbers in the set $\{-8, -5, 0, 10, 20\}$ satisfy the condition $|x - 5| < 11$?
- A. one B. two C. three D. four
62. What is the simplified expression of $\frac{2x-4}{4x+20} \cdot \frac{x^2-25}{x^2-7x+10}$?
- A. $\frac{1}{4}$ B. $\frac{1}{2}$ C. 2 D. 1
63. If y is the measure of an acute angle such that $\sin y = \frac{a}{5}$, then $\tan y =$
- A. $\frac{\sqrt{25-a^2}}{5}$ B. $\frac{a}{\sqrt{25-a^2}}$ C. $\frac{1}{\sqrt{a^2+25}}$ D. $\frac{5}{\sqrt{25-a^2}}$

64. The legs of a right angle are in the ratio of 1 : 2. If the area of the triangle is 25, what is the hypotenuse?

A. $5\sqrt{3}$ B. $5\sqrt{5}$ C. $10\sqrt{3}$ D. $10\sqrt{5}$

65. PQ and PT are tangent to circle O. If angle P measures 70° , how many degrees are in minor arc QT?

A. 140
B. 125
C. 120
D. 110



66. A man can do a job in h hours alone and his son can do it in $2h$ hours alone. Together, how many hours will it take them to do the job?

A. $3h$ B. $\frac{h}{3}$ C. $\frac{3h}{4}$ D. $\frac{2h}{3}$

67. What is the solution of the equation $p = \frac{ry}{r+y}$ for y ?

A. $\frac{r+p}{rp}$ B. $\frac{rp}{r-p}$ C. $\frac{r+p}{r-p}$ D. $\frac{r-p}{rp}$

68. If x is positive acute angle and $\tan x = p$, then what is $\cos x$?

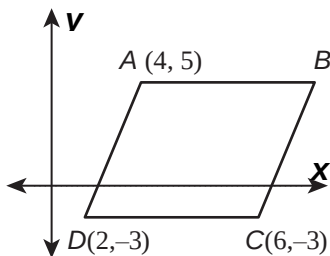
A. $\frac{1}{\sqrt{p^2+1}}$ B. $\frac{p}{\sqrt{p^2+1}}$
C. $\frac{p}{\sqrt{p^2-1}}$ D. $\sqrt{p^2+1}$

69. If n is an odd integer, which one of the following is an even integer?

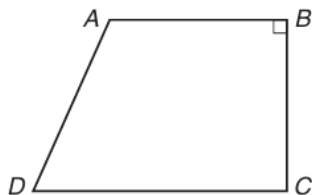
A. $2n + n$ B. $2n + 1$
C. n^3 D. $n(n + 3)$

70. Figure ABCD is a parallelogram, what is the x-coordinate of point B?

A. 2
B. 5
C. 6
D. 8



71. In the figure, ABCD is a trapezoid with area 50 square units. If the length of AB is 6 units and length of BC is 5 units, what is the length of CD?



- A. 4
B. 7
C. 10
D. 14
72. If the volume of a cone is 24π cubic feet and its height is 2 feet, what is the diameter of the base in feet?
A. 3
B. 6
C. 12
D. 24
73. In xy -plane the line with the equations $x + y = 15$ and $y = 3x - 1$ are intersecting at (a, b) , What is the value of $a - b$?
A. 11
B. 4
C. -7
D. -6
74. If $4x + 16 = 24$, what is the value of $x + 8$?
A. 14
B. 12
C. 10
D. 8
75. If $\frac{1}{3}$, y_1 , y_2 , 9 are in G.P., then what is the value of y_2 ?
A. 1
B. 3
C. 6
D. $\frac{15}{2}$
76. If the radius of circle is decreased by 30% by what percent will the area of circular region be decreased?
A. 70%
B. 60%
C. 51%
D. 49%
77. If $\frac{1}{x} + y = 2$ and $x + \frac{1}{y} = 3$, the ratio of x to y is equal to
A. 1:2
B. 2:3
C. 3:1
D. 3:2
78. The sum of the roots of $3x^2 - 4x + 4 = 0$ is
A. $\frac{4}{3}$
B. $\frac{3}{4}$
C. $-\frac{4}{3}$
D. 4
79. If $x = 1 + \sqrt{2}$, then $x^2 - 2x + 1$ is equal to
A. $1 + \sqrt{2}$
B. -1
C. $\sqrt{2}$
D. 2
80. In the xy -plane, the graph of the function $f(x) = x^2 + 5x + 4$ has two x -intercepts. What is the distance between the x -intercepts?
A. 1
B. 2
C. 3
D. 4

GENERAL KNOWLEDGE

81. Who is known as the father of the nation of Nepal?
A. Jang Bahadur Rana
B. Tribhuvan Bir Bikram Shah
C. Prithivi Narayan Shah
D. Jayathiti Malla
82. How many municipalities are there in Nepal?
A. 256
B. 276
C. 512
D. 421
83. Which country is going to host FIFA World Cup 2026?
A. Canada
B. United States
C. Mexico
D. All of them
84. Which of the following sports is Jerlin Anika associated with?
A. Tennis
B. Badminton
C. Squash
D. Chess
85. What is the full form of SMS?
A. Simple Message System
B. Simple Mathematics Solution
C. Short Message Service
D. Short Message System
86. Who built the 'Rani Mahal' in Palpa?
A. Khadga Shamser
B. Bir Samser
C. Chandra Shamser
D. Bhimsen Thapa
87. Which country is known as the 'Land of Thunderbolts'?
A. China
B. Bhutan
C. Mongolia
D. Thailand
88. On which date is Nepal's Constitution Day observed?
A. Ashoj 03
B. Bhadra 05
C. Baishakh 01
D. Mangsir 03
89. Which is the first country to approve a vaccine for Covid Omicron variant?
A. India
B. United States of America
C. United Kingdom
D. Italy
90. Which of the following organizations is responsible for conducting the Secondary Education Examination (SEE) in Nepal?
A. National Education Board
B. Nepal Examination Board
C. National Examination Board
D. Nepali Examination Board

91. Which famous personality does the phrase "That's one small step for a man, one giant leap for mankind" belong to?
 - A. Neil Armstrong
 - B. Nelson Mandela
 - C. Mother Teresa
 - D. Aristotle
92. Which is the second-largest cricket ground in the world, by capacity?
 - A. Eden Gardens Cricket Ground
 - B. Melbourne Cricket Ground
 - C. Perth Stadium Cricket Ground
 - D. Adelaide Oval Cricket Ground
93. Who is the author of the Harry Potter book series?
 - A. J.R.R. Tolkien
 - B. Dan Brown
 - C. George R.R. Martin
 - D. J.K. Rowling
94. Who invented the Electric Generator?
 - A. Sir Alexander Graham Bell
 - B. Thomas Alva Edison
 - C. Alfred B. Nobel
 - D. Michael Faraday
95. Who is the author of the narrative poetry *Muna Madan*?
 - A. Laxmi Prasad Devkota
 - B. Narayan Wagle
 - C. B.P. Koirala
 - D. Lekhnath Poudel
96. How much is the average width of north-south of Nepal?
 - A. 173 km
 - B. 183 km
 - C. 193 km
 - D. 199 km
97. In which decade was the telephone invented?
 - A. 1850s
 - B. 1860s
 - C. 1870s
 - D. 1880s
98. Which continent has the highest number of countries?
 - A. Asia
 - B. Europe
 - C. North America
 - D. Africa
99. When was the first satellite launched in Nepal?
 - A. B.S. 2076 Jestha 15
 - B. B.S. 2075 Ashoj 15
 - C. B.S. 2076 Baishakh 05
 - D. B.S. 2075 Baishakh 05
100. Which country has partnered with China for its Moon exploration Missions?
 - A. Pakistan
 - B. UAE
 - C. Bangladesh
 - D. Iran



DO NOT WRITE OR SCRIBBLE HERE

ANSWER SHEET - SET C

Exam Date: _____

Exam Time: _____

Name in BLOCK LETTERS

FIRST	MIDDLE	LAST

Card Number				
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

INSTRUCTIONS FOR STUDENTS

1. Write the Card number in digits in the boxes and mark the bubble on the corresponding number in the box below the digit.
2. Do not alter or erase your answer.
3. Use only black pen.
4. Fill the circle completely while bubbling the answer.
5. Do not mark any stray mark or rough work on the sheet.

Wrong Methods



Right Methods



INVIGILATOR'S SIGNATURE

APPLICANT'S SIGNATURE

Stream: _____

Room No.: _____

Question SET ☐ C

Q No. 1 - 25

1. A B C D
2. A B C D
3. A B C D
4. A B C D
5. A B C D
6. A B C D
7. A B C D
8. A B C D
9. A B C D
10. A B C D
11. A B C D
12. A B C D
13. A B C D
14. A B C D
15. A B C D
16. A B C D
17. A B C D
18. A B C D
19. A B C D
20. A B C D
21. A B C D
22. A B C D
23. A B C D
24. A B C D
25. A B C D

Q No. 26 - 50

26. A B C D
27. A B C D
28. A B C D
29. A B C D
30. A B C D
31. A B C D
32. A B C D
33. A B C D
34. A B C D
35. A B C D
36. A B C D
37. A B C D
38. A B C D
39. A B C D
40. A B C D
41. A B C D
42. A B C D
43. A B C D
44. A B C D
45. A B C D
46. A B C D
47. A B C D
48. A B C D
49. A B C D
50. A B C D

Q No. 51 - 75

51. A B C D
52. A B C D
53. A B C D
54. A B C D
55. A B C D
56. A B C D
57. A B C D
58. A B C D
59. A B C D
60. A B C D
61. A B C D
62. A B C D
63. A B C D
64. A B C D
65. A B C D
66. A B C D
67. A B C D
68. A B C D
69. A B C D
70. A B C D
71. A B C D
72. A B C D
73. A B C D
74. A B C D
75. A B C D

Q No. 76 - 100

76. A B C D
77. A B C D
78. A B C D
79. A B C D
80. A B C D
81. A B C D
82. A B C D
83. A B C D
84. A B C D
85. A B C D
86. A B C D
87. A B C D
88. A B C D
89. A B C D
90. A B C D
91. A B C D
92. A B C D
93. A B C D
94. A B C D
95. A B C D
96. A B C D
97. A B C D
98. A B C D
99. A B C D
100. A B C D

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ANSWER KEYS**SET A**

Answer Key	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	B	C	B	C	D	B	B	C	D	A	B	A	D	C	D
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	C	D	C	A	C	C	C	A	C	C	D	A	A	D	C
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	B	C	A	A	D	D	C	A	A	B	A	D	C	A	D
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	B	B	B	D	D	C	B	A	C	D	A	C	D	B	C
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
	C	B	A	B	D	C	A	D	A	D	C	A	C	C	B
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
	D	B	D	D	B	C	B	A	B	C	A	B	A	C	B
	91	92	93	94	95	96	97	98	99	100					
	A	B	D	B	C	D	D	C	A	A					

SET B

Answer Key	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	B	B	B	B	A	B	C	B	B	A	C	D	D	B	C
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	D	A	D	C	A	A	D	A	D	C	C	A	D	A	A
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	B	C	A	B	C	C	C	A	C	A	B	D	B	C	A
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	C	B	A	D	A	B	B	A	A	D	C	B	B	B	D
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
	C	D	B	A	C	B	B	A	D	C	A	D	C	D	B
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
	A	B	B	B	B	C	A	D	C	A	B	B	D	A	B
	91	92	93	94	95	96	97	98	99	100					
	A	D	C	C	B	C	D	A	B	B					

SET C

Answer Key	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	B	C	B	D	C	A	A	B	C	A	A	A	C	D	C
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	A	A	D	B	A	C	B	A	C	B	C	D	B	A	B
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	D	C	C	B	C	B	C	B	A	D	B	C	D	B	C
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	B	D	C	C	B	A	C	A	B	A	A	A	C	A	D
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
	C	B	B	B	D	C	B	A	D	D	D	C	C	C	B
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
	D	D	A	D	C	C	B	D	B	C	A	B	A	C	C
	91	92	93	94	95	96	97	98	99	100					
	A	B	D	D	A	C	C	D	C	B					