

Total Marks **200**

# COMPUTER

(English Medium)

Category

**A**

Seat No. of  
the Candidate

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Block No. of the  
Candidate

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Signature of the  
Candidate

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Signature of the  
Block Supervisor

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### Important Instructions for Candidates

- (1) Please do not open the question booklet until you are told to do so.
- (2) During examination, if a candidate is found having any literature guide, guide, piece of paper, handwritten or printed paper, mobile phone, calculator, spy camera, headphone or any other equipments then the candidate will be considered as disqualified.
- (3) During the examination if candidates are found conversing with each other, making noise or not following supervisor's instructions then they will be considered as disqualified.
- (4) After receiving question paper please write your seat number in **OMR SHEET** at the correct given place.
- (5) Please do not write your seat number at any other place than the allotted one in the **OMR SHEET** and if any sign of your identity or recognition is found then you will be considered totally disqualified for the examination.
- (6) Signatures of both the supervisor and the candidate in the certificate of **OMR SHEET** are compulsory without which **OMR SHEET** will not be evaluated, so it is compulsory for the candidate to get signature of the supervisor.
- (7) Candidates can use blue/black ball pen. They cannot use pens or pencils of any other colour and also whitener.
- (8) No marks should be made on any of the options in the question paper.
- (9) There are total 200 questions in this question paper. There is only one answer to each question from the options A, B, C and D. Four options are given for each question. All the questions are compulsory.  
Example: What is the capital of Gujarat?  
(A) Ahmedabad (B) Gandhinagar (C) Vadnagar (D) Patan  
Here, if option (B) Gandhinagar is correct then option (B) in the **OMR SHEET** will have to be darkened with pen. **A ● C D**
- (10) One(1) mark is allotted to each correct answer. For each wrong answer 0.25 marks will be deducted. If a candidate does not want to answer any question then he/she will have to select option E. Negative marking will not be applicable for option E.
- (11) Cross marked answers, answers given on more than one option and answers re-marked after use of blade, eraser or whitener will be given **Negative 0.25 marks.**
- (12) Please hand over the **OMR SHEET** to the block supervisor after completion of examination before leaving the classroom. Any candidate failing to do so will be considered as disqualified for the examination.
- (13) Maximum time allotted for the examination is 180 minutes.
- (14) Most appropriate option will be considered as answer of the question.

## Space for Rough Work

- (1) "Provision to parents of giving education opportunity to their children having age 6 to 14 years ." The above section is added in which set of schedule 86 of Indian constitution under fundamental rights?  
(A) Section -11 (B) Section - 2  
(C) Section -86 (D) Section - 4
- (2) Who is the author of life sketch of Mahadevbhai Desai "Agnikund Mein Uga Hua Gulab"?  
(A) Manbhatt (B) Narayan Desai  
(C) Jayshankar Desai (D) Mahadev Desai
- (3) Who is the author of stanza "Harino Marag Che Shoorano"?  
(A) Kavi Preetam Das (B) Manishankar Ratnajee Bhatta  
(C) Damodar Khushal Botadkar (D) Narsinh Mehta
- (4) Function of Union of India is mentioned in which part of Indian Constitution?  
(A) 6 (B) 4  
(C) 5 (D) 2
- (5) Which Indian sportsperson won bronze in 51 kg category in World Boxing Championship?  
(A) Sukhdev (B) Nishant Dave  
(C) Husamuddin (D) Deepak Bhuriya
- (6) To encourage Indian people for independence movement which English newspaper has been started by Gandhiji in India first?  
(A) Young India (B) Youth India  
(C) Vartaman Bharat (D) Aandolan
- (7) In which age Himalayan Mountain Range formed?  
(A) Satyug (age) (B) Archean age  
(C) Jurassic age (D) Tertiary age
- (8) Stars of sky shine because of which effect of Science?  
(A) Diffusion of Light (B) Refraction of light  
(C) Diffraction of light (D) Division of light
- (9) What is the share of industries in gross national production in India?  
(A) 25% (B) 29%  
(C) 32% (D) 39%
- (10) In which part of Indian constitution, fundamental duties have been included?  
(A) Part -3 (A) (B) Part -5 (A)  
(C) Part - 4 (A) (D) Part - 6 (A)

- (11) Who was the first person to receive “Bharat Ratna” ?  
(A) Dr. Rajendra Prasad (B) Dr. Sarvepalli Radhakrishnan  
(C) Mahadevbhai Desai (D) Lalbahadur Shastri
- (12) In which of the following programmes interactive board is used?  
(A) Pragya Abhigam (B) Bal Project  
(C) Virtual Classroom (D) Gyankunj Project
- (13) Unique ID of how many digits is given to the students of a secondary school?  
(A) 14 (B) 16  
(C) 18 (D) 19
- (14) Education is a subject of which list in Indian Constitution ?  
(A) Central List (B) State list  
(C) Joint List (D) District list
- (15) In which organ, there is insulin production?  
(A) Stomach (B) Pancreas  
(C) Large intestine (D) Brain
- (16) In which country Hockey World Cup (Mens) - 2023 was organised?  
(A) India (B) Japan  
(C) France (D) Brazil
- (17) Where is the World’s Biggest Mineral Oil Purification Plant?  
(A) Jamnagar (B) Ankleshwar  
(C) Digboi (D) Dehradun
- (18) How many leaves including holidays have been decided for Gujarat Secondary and Higher Secondary Schools for the year 2023-24 by Gujarat Secondary and Higher Secondary Education Board?  
(A) 79 (B) 80  
(C) 81 (D) 82
- (19) According to National Education Policy-2020, which institution has been authorized for monitoring of minimum commercial and quality standards followed by State/Central Schools?  
(A) PARAKH (B) SWAYAM  
(C) DIKSHA (D) SSSA
- (20) Up to which class education is expected in mother tongue in National Education Policy 2020?  
(A) Class 6 (B) Class 8  
(C) Class 10 (D) Class 5

- (21) If the syllabus is changed because of business and industries then this is considered as effect of which factors on educational objectives?
- (A) Cultural factors (B) Social factors  
(C) Economical factors (D) Ethical factors
- (22) “Without thinking on what a person is doing what he should do”? This thought is connected with which goals of education ?
- (A) Ethical goals (B) Goals of attaining knowledge  
(C) Goal of complete life (D) Goals of good use of free time
- (23) Objectives, syllabus, institutions and time limit if all of these are decided then this is considered as which form of education?
- (A) Informal (B) Formal  
(C) Illegal (D) Joint
- (24) Which program does not directly apply to Informal learning?
- (A) Knowledge of alphabets (B) Examination  
(C) Education of business (D) Deaddiction
- (25) Which of the following issues is not included in three issues of learning process?
- (A) Starting (B) Result  
(C) Process (D) Evaluation
- (26) Some children are introverts, some are extroverts, some are talkative and some of them are shy. This type of difference in children is known as -
- (A) Physical difference (B) Difference in personality  
(C) Difference in hobbies (D) Social difference
- (27) Which of the following is not included in different intelligence quotients ?
- (A) Intelligence Quotient (I.Q.) (B) Spiritual Quotient (S.Q.)  
(C) Regional Quotient (R.Q.) (D) Emotional Quotient (E.Q.)
- (28) Who has developed vocational interest modification?
- (A) McDougall (B) Strong  
(C) Morgan (D) Garrett
- (29) Which experiment is used to measure abilities/powers like Art, Music, Creativity in a person?
- (A) Attitude Criteria (B) Interest experiment  
(C) Zest/Rasa modification (D) Aptitude experiment
- (30) Which is not included in three types of internal processes in a class?
- (A) Teacher-Student Behaviour (B) Student-Material Behaviour  
(C) Teacher-Material Behaviour (D) Student-Student Behaviour

- (31) Which of the following is not included in commonly used three middle position statistical measures?  
 (A) Mean (B) Median  
 (C) Mode (D) Midpoint
- (32) Which is different from the three tests of evaluation ?  
 (A) Written (B) Oral  
 (C) Practical (D) Functional
- (33) With which of the following is spreadsheet related?  
 (A) Microsoft Excel (B) Microsoft Powerpoint  
 (C) Microsoft Word (D) Access
- (34) Whose philosophy of education is shown in “Framing and Clading” ?  
 (A) Gijubhai Badheka (B) Nanabhai Bhatt  
 (C) Taraben Modak (D) J. Krishnamurti
- (35) Education by productive labour, for productive labour, and can only be of productive labour”  
 (A) Mahatma Gandhiji (B) Ravindranath Tagore  
 (C) Mr. Arvind (D) Swami Vivekananda
- (36) Which of the following principles is not included in principles of John Dewey?  
 (A) Principle of utility (B) Principle of inclination  
 (C) Principle of labour (D) Principle of zest(rasa)
- (37) New India Literacy Program (NILP) has been started for illiterates of which age group?  
 (A) 15 years and above (B) 15 years to 55 years  
 (C) 6 years to 14 years (D) 21 years to 65 years
- (38) Which is known as one nation one digital platform ?  
 (A) PM eVIDYA (B) BISAG-N  
 (C) DIKSHA (D) Vande Gujarat Channel
- (39) Who talked about learning by senses ?  
 (A) Dr. S. Radhakrishnan (B) Ravindranath Tagore  
 (C) Mahatma Gandhi (D) Maharishi Arvind
- (40) Who started learning by senses for special children?  
 (A) Maria Montessory (B) Grace Fernold  
 (C) Jim Piaget (D) Ivan Pavlov

- (41) Which of the following pairs of psychologists associated with study is correct?  
 (A) Trial and Error - Vygotsky (B) Behaviourism - Pavlov  
 (C) Constructivism - Skinner (D) Conditioning by factors – Thorndike
- (42) Which of the following is not a characteristic learning process?  
 (A) Experience is necessary for learning  
 (B) Interaction with environment is necessary for learning  
 (C) Learning can enter from one condition to the other  
 (D) Memory is necessary for learning
- (43) Who gave Discovery learning approach ?  
 (A) Robert Gagne (B) Jerome Brunner  
 (C) Bandura (D) Ausubel
- (44) What will be the area of a circle having radius 14 cm? A formula is used by children to answer this question. Which intellectual skill he or she has obtained?  
 (A) Differentiation (B) Concept  
 (C) Rule (D) Solution of the problem
- (45) In which of the following disorders intellectual skill of children destroys?  
 (A) Down Syndrome (B) ADHD  
 (C) Cerebral Palsy (D) Autism
- (46) Which of the following will be on top level according to Bloom's Taxonomy?  
 (A) Evaluation (B) Creation  
 (C) Isolation (D) Utilization
- (47) Which of the following is unsuitable in achievement test ?  
 (A) Sufficient time given to the students to answer all of the questions  
 (B) Class is related with progress(development)  
 (C) Education work is given at the end  
 (D) Questions are selected to test the skills of a student
- (48) Which of the following measurements of middle position cannot be shown?  
 (A) Mean (B) Extension  
 (C) Median (D) Mode
- (49) Which of the following is not true for standard deviation ( $\sigma$ )?  
 (A) Group Category will be as much as the low value of standard deviation  
 (B) Standard deviation increases by the addition of any constant number in marks  
 (C) If all the marks are multiplied by only one number then standard deviation increases at the same rate  
 (D) Standard deviation is used to know the variability of the marks

- (50) Which of the following is not a characteristic of E-content?  
 (A) These are only in digital format  
 (B) It is presented by webpage or any other medium  
 (C) It contains only animation  
 (D) It can be linked with QR code.
- (51) Which of the following is not OER ?  
 (A) BISAG - N (B) GROWER  
 (C) NROER (D) e-pathshala
- (52) Which of the following subjects (issue) does not apply in the concept of E-learning?  
 (A) Learning-Teaching is a present time field. (B) Learning has only one option.  
 (C) Class learning is interesting (D) Information is available online.
- (53) Summary of which cannot be applied excepting its related groups. This is what type of modification?  
 (A) Experimental modification (B) Survey  
 (C) Basic Modification (D) Functional modification
- (54) "Children is creator of knowledge and not consumer." This is the conclusion of –  
 (A) Behaviourism (B) Naturalism  
 (C) Rationalism (D) Constructivism
- (55) Learning is a natural process and not manmade. Who gave this concept?  
 (A) Aristotle (B) Rousseau  
 (C) Froebel (D) Montessori
- (56) R, U, X, A, D, ? To complete the series what will replace the "?" question mark  
 (A) F (B) G  
 (C) H (D) I
- (57) 1, 3, 3, 6, 7, 9, 9, 12, 21, ? To complete the series what will replace the "?" question mark  
 (A) 10 (B) 11  
 (C) 12 (D) 13
- (58) 10, 100, 200, 310, ? To complete the series what will replace the "?" question mark  
 (A) 400 (B) 410  
 (C) 420 (D) 430
- (59) In a certain code TEACHER is written as VGCEJGT then in the same code CHILDREN can be written as?  
 (A) EJKNEGTP (B) EGKNFITP  
 (C) EJKNFGTO (D) EJKNFTGP
- (60) In a certain code TWENTY is written as 863985 and ELEVEN is written as 323039 then in the same code TWELVE can be shown by which number?  
 (A) 863203 (B) 863584  
 (C) 863903 (D) 863063



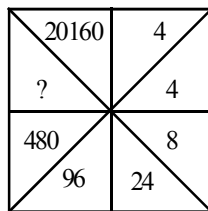
(61) In a certain code language '123' means 'bright little boy' and 145 means 'tall big boy'. In the same way '637' means 'beautiful little flower' then which number will be there for 'bright' ?

- (A) 1 (B) 2  
(C) 3 (D) 4

(62) If + means  $\times$ ,  $\times$  means -,  $\div$  means + and - means  $\div$  then which of the following numbers will be the solution of  $175 - 25 \div 5 + 20 \times 3 + 10$

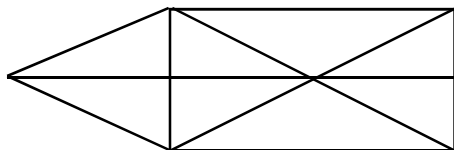
- (A) 77 (B) 160  
(C) 240 (D) 2370

(63) Select the appropriate option for '?' in the following figure



- (A) 860 (B) 1140  
(C) 2880 (D) 3240

(64) How many triangles are there in the given figure?



- (A) 15 (B) 16 (C) 17 (D) 18

(65) What will be the angle in degrees between minute and hour hand of a clock at 3:40 ?

- (A) 140 (B) 150 (C) 130 (D) 120

(66) Select the odd pair:

- (A) Yoghurt - milk (B) Sandal - leather  
(C) Peanut - oil (D) Sugar - sugarcane

(67) Arrange the letters of the given word alphabetically.

(1) INTERANAL (2) INSECT (3) INCOME (4) INTERN (5) INSIDE

- (A) 3, 2, 5, 4, 1 (B) 3, 4, 5, 2, 1  
(C) 4, 5, 1, 3, 2 (D) 3, 1, 2, 4, 5

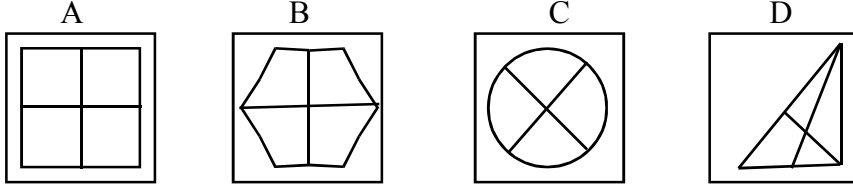
(68) If first day of a leap year is Sunday then how many Sundays will be there in the same year?

- (A) 50 (B) 51 (C) 52 (D) 53

(69) A person drives his car 50 km towards east after that he turns right and drives 30 km. Then he turns west and drives 10 km. How much away he is from the starting point?

- (A) 20 km (B) 50 km (C) 100 km (D) 60 km

(70) Select the different figure.



(A) A (B) B (C) C (D) D

(71) ..... અગ્નિનો સમાનાર્થી છે.

(A) અનલ (B) અનિલ (C) અનંગ (D) તપસ

(72) નીચેનામાંથી ..... કર્મધારેય સમાસનું ઉદાહરણ છે.

(A) તકસાધુ (B) કલ્પવૃક્ષ (C) પંચામૃત (D) પરમેશ્વર

(73) તમારાથી વડીલો સામે ઊંચા અવાજે ન બોલાય. - વાક્યનો પ્રકાર ઓળખો.

(A) કર્તરિ (B) કર્મણિ (C) ભાવે (D) પ્રેરક

(74) સફળતા જિંદગીની હસ્તરેખામાં નથી હોતી, ચણાયેલ ઈમારત એના નકશામાં નથી હોતી. આ કાવ્યનો પ્રકાર જણાવો.

(A) દુહા (B) મુક્તક (C) હાઈકુ (D) સોનેટ

(75) ખોટી જોડણી કઈ છે ?

(A) સુદંઢ (B) દીકરી (C) અકસ્માત્ (D) કનિષ્ઠ

(76) 'નીરવ' શબ્દનો વિરુદ્ધાર્થી શબ્દ શું થાય ?

(A) સૂમસામ (B) ઘવલ (C) પીડા (D) કોલાહલ

(77) સમાનાર્થી શબ્દોની ખોટી જોડ હોય તે વિકલ્પ કયો છે ?

(A) ખોભણ - ગુફા (B) અનરવો - હિંમતવાન (C) અડવડિયું - લથડિયું (D) આર્દ્રતા - મૃદુતા

(78) 'ઘોડાના સવારને બેસવા માટે ઘોડાની પીઠ પર રાખવાનું રૂ કે ઊંનનું આસન' - શબ્દસમૂહ માટેનો એક શબ્દ કયો છે?

(A) દળી (B) ટેકણિયું (C) પીઠિકા (D) માંચડો

(79) વિરામચિહ્નોનો ઉચિત પ્રયોગ ન થયો હોય તેવું વાક્ય કયું છે ?

(A) હાશ ! હવે નિરાંત થઈ !  
(B) પ્રશ્નપત્ર જોઈ વિદ્યાર્થીઓ મૂંઝાયા, એમને કાંઈ સૂઝ પડી નહીં, ઉત્તરપત્રો મૂકી દઈને ચલતી પકડી.  
(C) મેં જાણ્યું : મારાં લખાણો એને ગમતાં નથી.  
(D) .....તો મારો દુશ્મન છે.

(80) શબ્દ અને તેના અનેકાર્થી શબ્દોની ખોટી જોડ હોય તેવો વિકલ્પ કયો છે ?

(A) ગુણ - પણછ, દોરું (B) કૂટ - ઠગાઈ, શિખર  
(C) કાંત - મન, અંતઃકરણ (D) કર - કિરણ, સૂંઢ

(81) આપેલ વાક્યોમાં રેખાંકિત કરેલ શબ્દનો ઉચિત પ્રયોગ થયો હોય તેવું વાક્ય કયું છે ?

(A) મેં આ પત્ર કે ઠરાવ વાંચ્યા નથી. (B) કામ વેળાસર થાય તે જ અગત્યનું છે.  
(C) સાંજે છ વાગે જાહેર ગ્રંથાલય બંધ થાય છે. (D) દરેકે આવકમાંથી યથાશક્તિ પ્રમાણે દાન કરવું જોઈએ.

- (82) 'દેવ્યૈશ્વર્ય' શબ્દનો સંધિવિગ્રહ શું થાય ?  
 (A) દેવ + ઐશ્વર્ય (B) દેવે + એશ્વર્ય  
 (C) દેવ્ય + ઐશ્વર્ય (D) દેવી + ઐશ્વર્ય
- (83) આપેલાં વાક્યોમાં 'કર્મણિ વાક્ય' કયું છે ?  
 (A) એ સમયમાં લોકો જુગાર રમતા. (B) એણે પચાસ માણસોને જમાડ્યા.  
 (C) સરકાર તરફથી આ મહિને અનાજ અપાયું છે. (D) અશોક કંઈ બોલ્યો ન હોત.
- (84) 'છત્રી પર નામ-સરનામું લખવાનો ઉપાય ખરેખર કારગત નીવડ્યો.' - વાક્યમાં રેખાંકિત કરેલ શબ્દ 'ખરેખર' ક્રિયાવિશેષણનો કયો પ્રકાર છે ?  
 (A) અભિગમવાચી ક્રિયાવિશેષણ (B) સમયવાચક ક્રિયાવિશેષણ  
 (C) રીતિવાચક ક્રિયાવિશેષણ (D) સ્થાનવાચક ક્રિયાવિશેષણ
- (85) 'મારો હંસલો નાનો ને દેવળ જૂનું રે થયું.' - અલંકાર ઓળખાવો.  
 (A) વ્યક્તિરેક અલંકાર (B) અતિશયોક્તિ અલંકાર  
 (C) રૂપક અલંકાર (D) ઉપમા અલંકાર
- (86) Mahesh was too smart. (Remove 'too' without changing the meaning.)  
 (A) Mahesh was not smart at all.  
 (B) Mahesh was smart more than required.  
 (C) Mahesh was foolish.  
 (D) I was doubtful whether Mahesh was smart or not.
- (87) ..... INS Arihant is ..... Indian Naval ship. (Fill in the blanks)  
 (A) The & an (B) An & an  
 (C) A & an (D) The & the
- (88) Most students have brought their homework. .... of them have not completed it yet.  
 (A) None (B) Few  
 (C) Each (D) A little
- (89) મેં મારા વાળ કપાવ્યા. - આ વાક્યનું ચોક્કસ અંગ્રેજી ભાષાંતર શું થશે ?  
 (A) I cut my hair. (B) I clipped my hair.  
 (C) I got my hair cut. (D) I had a nice hair cut.
- (90) Give the nearest meaning of word : 'Phantom'.  
 (A) existent (B) imaginary  
 (C) corporeal (D) tangible
- (91) Give the verb form of 'little'.  
 (A) alittle (B) unlittle  
 (C) belittle (D) bilittle

- (92) Change the voice : “What caused COVID-19 ?”  
 (A) What was COVID-19 caused by ? (B) What was caused by COVID-19 ?  
 (C) By what is COVID-19 caused ? (D) By what COVID-19 was caused ?
- (93) Select the word or phrase which is closest to the opposite in meaning of the underlined word : “Rahul will never accept your request.”  
 (A) turn over (B) turn down  
 (C) turn up (D) reject
- (94) Add a suitable question tag : Radha, one of my neighbours slipped off a staircase. .... ?  
 (A) did she (B) does she  
 (C) doesn't she (D) didn't she
- (95) Fill in the blanks with appropriate set of prepositions : Nidhi travelled ..... her mother all ..... the world when she was 17 years old.  
 (A) by, above (B) for, around  
 (C) with, around (D) with, over
- (96) Turn this sentence into English : “હજુ પણ હું તેને ત્યાં એકલી ઊભેલી જોઈ શકતો હતો.”  
 (A) I could still saw her standing there alone. (B) I could still see her stood there alone.  
 (C) I could still see her standing there alone. (D) I can still see her standing there alone.
- (97) Fill in the blanks with the appropriate word / words : Rohan and Nayan have been on vacation ..... May 2023. They ..... to Manali for a week.  
 (A) for, had gone (B) since, had gone  
 (C) for, have gone (D) since, have gone
- (98) Mantra got the first prize last week. Find out the correct option to get the underlined answer.  
 (A) Which prize did Mantra get last week ?  
 (B) When did Mantra get the first prize ?  
 (C) Which prize Mantra got last week ?  
 (D) Where did Mantra get the first prize ?
- (99) Ravi ..... in this company for five years. Find out correct form of verb from the options.  
 (A) works (B) is working  
 (C) has been working (D) have worked
- (100) Find out the correct spelling from the options.  
 (A) Spactacular (B) Spectacular  
 (C) Spactaculor (D) Specteculor

- 101) What is the purpose of the Program Counter (PC) register in a CPU ?  
(A) It holds the instruction currently being executed.  
(B) It performs arithmetic and logic operations on inputs.  
(C) It stores temporary results and control information.  
(D) It points to the next instruction to be fetched for execution.
- 102) What is the difference between primary memory and secondary memory?  
(A) Primary memory is volatile while secondary memory is non - volatile.  
(B) Primary memory is non - volatile while secondary memory is volatile.  
(C) Both primary and secondary memory are volatile.  
(D) Both primary and secondary are non-volatile.
- 103) What is software ?  
(A) A set of physical components of a computer.  
(B) A Collection of machine understandable instructions.  
(C) A firmware integrated with hardware  
(D) None of the above
- 104) What is firmware ?  
(A) A physical component of computer.  
(B) A comprehensive term for all physical parts of a computer.  
(C) Software embedded with hardware.  
(D) A step by step guideline to solve a given task.
- 105) What is the use of assembly language ?  
(A) To provide data and instruction in English like language.  
(B) To use binary language with symbol '0 and 1'.  
(C) To translate higher level language into machine reachable form.  
(D) To use mnemonic codes or symbols for instructions.
- 106) Which input device is used for robots performing risky tasks like driving planes and performing surgery, and is also useful for people who are differently abled and generally find difficulties in operating typical computer systems?  
(A) Speech input devices  
(B) Electronic card reader  
(C) Vision Input Devices  
(D) Barcodes
- 107) Which of the following is not a type of computer memory ?  
(A) Primary Memory  
(B) Secondary Memory  
(C) Tertiary Memory  
(D) Auxiliary Memory

- 108) Who developed Linux and what is his current role ?  
(A) Steve Jobs, CEO of Apple  
(B) Bill Gates, Founder of Microsoft  
(C) Linus Benedict Torvalds, Fellow at the Linux Foundation  
(D) Larry Ellison, Founder of Oracle
- 109) What is Ubuntu ?  
(A) An operating system based on the Linux Kernel  
(B) A software for operating Virtual Machines.  
(C) A Programming language  
(D) A database management system
- 110) What is the difference between using a text mode virtual terminal and a GUI terminal in Ubuntu Linux?  
(A) The text mode virtual terminal provides better display quality.  
(B) The GUI terminal allows for multiple terminals to be open simultaneously  
(C) The text mode virtual terminal allows for copy - paste functionality  
(D) The GUI terminal can not be used when the Graphical session can not be started.
- 111) What is the shortcut key to open a document in Writer?  
(A) CTRL + S  
(B) CTRL + N  
(C) CTRL + O  
(D) CTRL + P
- 112) How can you add a word to the Writer dictionary ?  
(A) Type the word in the spelling and grammar box and "Add"  
(B) Click the "\*%" button and select "Add to Dictionary"  
(C) There is no way to add word to the Writer dictionary.  
(D) Right click on the word with red underline and select "Add"
- 113) How many bits are typically used in an IP address ?  
(A) 16 bits  
(B) 32 bits  
(C) 64 bits  
(D) 128 bits
- 114) What is the main difference between Virus and a Worm ?  
(A) A virus is a parasite program while a worm is independent program  
(B) A worm requires a host program to spread, while a virus does not.  
(C) A virus can harm a computer's resources, while a worm can not.  
(D) A worm is usually propagated through email, while a virus is not.
- 115) Who is the inventor of the World Wide Web ?  
(A) Steve Jobs  
(B) Bill Gates  
(C) Larry Page  
(D) Tim Berners - Lee

- 116) What is the purpose of the <q> tag in HTML?  
 (A) Defines the content in superscript  
 (B) Defines the content in subscript  
 (C) Defines the content in an acronym  
 (D) Defines a quote
- 117) Which symbol has the ASCII value of 62 ?  
 (A)< (B)> (C)& (D)©
- 118) Which HTML tag is used to create a nested list ?  
 (A)<ul> (B)<li> (C)<font> (D)<ol>
- 119) Which term is used to manage collection of spreadsheets in a spreadsheet package ?  
 (A) Database (B) Workbook  
 (C) Template (D) Spreadsheet Suite
- 120) What is an absolute address ?  
 (A) An address that changes when the formula is copied or moved  
 (B) An address that only fixes the row number  
 (C) An address that only fixes the column number.  
 (D) An address that does not change when the formula is copied or moved.
- 121) What is the result of =PRODUCT(A1:A2, B1:B2, D1:D2), if the values in the respective cells are 10, 20, 1, 2, 3 and 1?  
 (A) 3000 (B) 2400  
 (C) 1200 (D) 600
- 122) What does the TRIM function do ?  
 (A) Removes extra spaces from the string  
 (B) Compares two strings and returns 1 if they are exactly the same.  
 (C) Returns the length of a given string  
 (D) Extracts its specified number of characters from the left side of a string.
- 123) Which technique uses simulated code to solve a problem ?  
 (A) Flow Chart (B) Algorithm  
 (C) Pseudo code (D) Input - output
- 124) Which symbol is used to represent the beginning and end of the flowchart ?  
 (A) Oval shape  
 (B) Parallelogram  
 (C) Rectangle  
 (D) Diamond shape

- 125) What is the purpose of the escape sequence '\n' in C programming ?  
 (A) Insert audible alert (B) Insert new line  
 (C) Insert horizontal tab (D) Insert backspace
- 126) If we write "++ variable" then it will be called .....  
 (A) pre Increment (B) pre Decrement  
 (C) post Increment (D) post Decrement
- 127) Suppose we have a C programming statement like ...  
 Int f=150, s = 20, result ; result = f--- s; then what will be the value of result ?  
 (A) 130 (B) 129 (C) 131 (D) 132
- 128) Which format specifier is used to print integer in hexadecimal form using the printf () function?  
 (A) % d (B) % f (C) % n (D) % x
- 129) Which statement is used to terminate Q loop without executing the remaining statements ?  
 (A) continue (B) exit (C) break (D) return
- 130) Which character is used to terminate a string in C language ?  
 (A) ; (B) \\  
 (C) \t (D) \o
- 131) Which category of functions include functions like printf() and scanf() ?  
 (A) Standard functions (B) Library functions  
 (C) User defined functions (D) Main functions
- 132) What is the ASCII value of char '3'?  
 (A) 48 (B) 49 (C) 50 (D) 51
- 133) Which of the following is a Right shift operator ?  
 (A) << (B) >> (C) < (D) >
- 134) Which of the following is a address operator ?  
 (A) & (B) ~ (C) \* (D) !
- 135) Which of the following computers are costly and can process billions of instructions per second??  
 (A) Super Computers  
 (B) Laptop Computers  
 (C) Hybrid Computers  
 (D) Palmtop Computers
- 136) Which of the following is the process of recognizing characters written with special magnetic ink?  
 (A) Multipurpose ink character recognition  
 (B) Magnetic ink character recognition  
 (C) Magnetic character recognition  
 (D) Multifold ink character recognition



- 137) Which of the following RAM needs to be refreshed thousands of times every second?  
 (A) Static (B) Dynamic (C) Programmable (D) Erasable
- 138) Which of the following is converted equivalent binary number of decimal number  $(125)_{10}$ ?  
 (A)  $(1111101)_2$  (B)  $(1011111)_2$  (C)  $(1000001)_2$  (D)  $(1000011)_2$
- 139) According to IEEE 32 method, representation of given fractional number is divided into how many parts?  
 (A) One (B) Two (C) Three (D) Four
- 140) Which of the following method is used to represent characters into computer memory?  
 (A) ASCII (B) Unicode (C) EBCDIC (D) Turnery
- 141) Which of the following is a core component of an components of an operating system?  
 (A) the shell (B) the kernel  
 (C) the device drivers (D) the GUI
- 142) What is windows based Ubuntu installer called?  
 (A) Wubu (B) Wibu (C) Winubu (D) Wubi
- 143) Which of the following is not a category of Ubuntu's application menu?  
 (A) Accessories (B) Ubuntu Software Center  
 (C) Graphics (D) Network
- 144) Which option in Ubuntu's Preferences menu provides the ability to change the desktop background image, set a predefined font or size for different sections, and choose a theme?  
 (A) Monitor (B) Preferred Applications  
 (C) Appearance (D) Remote Desktop
- 145) What is the area between the top and bottom panels in Ubuntu called?  
 (A) Document (B) Work area  
 (C) Notification area (D) Desktop
- 146) Where are files deleted from the Nautilus File Browser moved?  
 (A) Recycle Bin (B) Recycle Can  
 (C) Trash Can (D) Trash Bin
- 147) Which shortcut key is used to close any tab in GNOME Terminal in Ubuntu?  
 (A) SHIFT+ALT+W (B) CTRL+ALT+W  
 (C) CTRL+ALT+T (D) SHIFT+CTRL+W
- 148) Which of the following is a native file format of GIMP??  
 (A) XPG (B) XCF (C) JPGI (D) PNG

- 149) In writer, which of the following menu is used to check the grammar?  
 (A) View Menu (B) Insert Menu  
 (C) Language Menu (D) Tools Menu
- 150) Which of the following is the short cut key to Redo any operation?  
 (A) CTRL + R (B) CTRL + X  
 (C) CTRL + Y (D) CTRL + Z
- 151) In Writer, which menu option is used to insert page number?  
 (A) Insert → Fields → Page Number (B) Tools → Page Number  
 (C) Edit → Page Number (D) Format → Page Number
- 152) In the table of Writer, which short cut key is used to delete row or column?  
 (A) SHIFT + DELETE (B) CTRL + DELETE  
 (C) ALT + DELETE (D) TAB + DELETE
- 153) What is used to animate a selected portion of the slide in Impress?  
 (A) Slide Transition (B) Dynamic Slide  
 (C) Custom Animation (D) Rotation
- 154) Which view is used if we want to work with single or group of slides in Impress?  
 (A) Normal View (B) Handout View  
 (C) Outline View (D) Slide sorter View
- 155) In which of the following types of Internet connections can a single medium or wire can carry several channels or communication paths at once?  
 (A) Dial-up Connection (B) ISDN-Dial-up Connection  
 (C) Leased line Connection (D) Broadband Connection
- 156) Which of the following is required to identify a machine uniquely in a network?  
 (A) A connection (B) An IP address  
 (C) A Server (D) A Node
- 157) Which of the followings is known as the process of converting a cipher-text into original plain text?  
 (A) Enciphering (B) Encryption  
 (C) Deciphering (D) Decryption
- 158) Which of the following can be used to specify additional formatting along with an HTML element?  
 (A) Numbers (B) Attributes  
 (C) Comments (D) Contents
- 159) In computer, which of the following hexadecimal value is used to represent green colour?  
 (A) FF0000 (B) 00FF00  
 (C) 0000FF (D) FF00FF

- 160) Which of the following is specified by <OL> in HTML?  
 (A) Simple list (B) Ordered List  
 (C) Unordered List (D) Simple Table
- 161) Which of the following toolbar contains the most frequently used commands for formatting cell data in Calc?  
 (A) Standard (B) Formatting  
 (C) Formula (D) Data
- 162) Which of the following is the extension of a worksheet created in Calc?  
 (A) .ods (B) .odd (C) .xls (D) .obj
- 163) Which of the following function key is used to check spelling in Calc?  
 (A) F1 (B) F2 (C) F4 (D) F7
- 164) Which of the following is not a statistical function of Calc?  
 (A) GEOMEAN() (B) MEDIAN()  
 (C) MODE() (D) ABS()
- 165) In Calc, if we write =LEN("HELLO"), what it will return?  
 (A) 2 (B) 3 (C) 4 (D) 5
- 166) A function can start with which of the following option?  
 (A) "=" sign (B) Alphabets  
 (C) Numbers (D) Zero
- 167) In Calc, which menu option is used to insert a chart in worksheet?  
 (A) Edit → Chart (B) View → Chart  
 (C) Insert → Chart (D) Import → Chart
- 168) Which symbol is used to represent a connector in a flowchart?  
 (A) Square (B) Triangle  
 (C) Circle (D) Parallelogram
- 169) Which of the following is not a problem-solving technique?  
 (A) Pseudo code (B) Flowchart  
 (C) Algorithm (D) Sequence
- 170) Which of the following statement is not true for variable name in C language?  
 (A) Variable name cannot be same as keyword.  
 (B) Variable name consists of letter, digit and underscore.  
 (C) The first character of variable name must be a letter or underscore.  
 (D) The variable names are not case sensitive.

- 171) Which of the following is not a logical operator of C language?  
 (A) <>                      (B) &&                      (C) ||                      (D) !
- 172) Which of the following is not a function in C language to read only one character at a time?  
 (A) gets()                      (B) getc()  
 (C) getch()                      (D) getchar()
- 173) What will be the output when following program segment is executed in C language?  

```
#include <stdio.h>
int main()
{
  int x=3;
  switch(x)
  {
    case 1: printf("A"); break;
    case 2: printf("B"); break;
    case 3: printf("C"); break;
    default: printf("D"); break;
  }
  return 0;
}
```

 (A) A                      (B) B                      (C) C                      (D) D
- 174) Which of the following statement skips the subsequent statements of the loop and continues the next iteration of the loop?  
 (A) break                      (B) continue  
 (C) goto                      (D) switch
- 175) What is the output of following C language program segment?  

```
#include <stdio.h>
int main()
{
  int a=5, b=10;
  do
  {
    a=a+1;
  }while(a<=b);
  printf("%d",a);
}
```

 (A) 10                      (B) 9                      (C) 11                      (D) 15

- 176) What is the output of following C language program segment?
- ```
#include <stdio.h>
int main()
{
int i;
for(i=0;i<10;i++);
printf("%d",i);
}
```
- (A) 0123456789 (B) 12345678910  
(C) 10 (D) Error
- 177) Which of the following statement is not true for the arrays of C language?
- (A) Array is a collection of elements having same data type.  
(B) Array is a fixed-size sequential collection of elements.  
(C) An array element occupies contiguous memory location.  
(D) The subscript number of array starts with one.
- 178) In C language, string are terminated with which of the following special symbol known as null character?
- (A) \0 (B) \1 (C) \b (D) \e
- 179) Which of the following library function of C language is not available in <math.h> header file?
- (A) printf() (B) pow() (C) cos() (D) sqrt()
- 180) In C language, which keyword is used as a return type when function does not return any value?
- (A) int (B) main (C) void (D) auto
- 181) Which of the following does not serve the purpose of self-learning method?
- (A) To encourage students to learn on their own.  
(B) To make instructional activity more individualized.  
(C) To discourage teachers from teaching in class.  
(D) To develop in the learner, analytical thinking self-dependence.
- 182) Which of the following absent in programmed learning material?
- (A) Individualized instruction (B) Self-feedback  
(C) Classroom teaching (D) Small steps
- 183) What are the ICT requirements of the teachers in the digital era?
- (A) Open-minded and critical independent professionals.  
(B) Active cooperators and collaborators  
(C) Mediators between learners and what they need to know  
(D) All of above

- 184) Which of the following is not a benefit of mobile learning?  
 (A) Mobile learning enhances interaction between instructors and learners/students.  
 (B) A mobile learning process is not limited to one particular place.  
 (C) Mobile learning is a great opportunity for just in time training or review of content.  
 (D) Mobile learning can create an isolation or a feeling of being out-of-the-loop for both instructors and students who may not always have mobile connectivity.
- 185) Which of the following is the full form of TBL?  
 (A) Technology Based Learning (B) Technology Binned Learning  
 (C) Television Based Learning (D) Telnet Binned Learning
- 186) In the context of communicating a message, 'AAB' stands for what?  
 (A) Active, Act and Based  
 (B) Accurate, Authentic and Believable  
 (C) Active, Accurate and Based  
 (D) Alternate, After and Behind
- 187) The NME-ICT does not aim to provide education through which of the following?  
 (A) Radio (B) Television  
 (C) Computers (D) Notes
- 188) Which of the following will give higher levels of interactivity?  
 (A) Virtual Labs (B) Simulation  
 (C) Virtual Reality Labs (D) Remote Labs
- 189) Haptics technology can promote learning through which of the following?  
 (A) Visual Experiences (B) Auditory Experiences  
 (C) Multi-sensory Experiences (D) Tactile Experiences
- 190) Which of the following is not an area of Haptic Technology?  
 (A) Human Haptics (B) Machine Haptics  
 (C) Computer Haptics (D) Animal Haptics
- 191) What is the most important aspect of infusing technology into the curriculum?  
 (A) Pedagogy (B) Collaboration and Networking  
 (C) Social and Health issues (D) Technical issues
- 192) Which of the following four supportive themes given in the UNESCO's framework for ICT in teacher education?  
 (A) Pedagogy, collaboration and networking, social and health issues, technical issues.  
 (B) Context and culture, leadership and vision, lifelong learning, Planning and management.  
 (C) Pedagogy, collaboration and networking, context and culture, leadership and vision  
 (D) Context and culture, leadership and vision, social and health issues, technical issues.

- 193) Which of the following is not the key barrier in ICT integration into teaching and teacher training?  
(A) Lack of Teacher Motivation (B) Teachers' Resistance to Change  
(C) Teachers' Positive Attitude (D) Lack of ICT Infrastructure
- 194) Which of the following is a total management system and windows-based educational management package with the power to revolutionize the way that university/collage are managed?  
(A) Institution Management System (B) Education Management System  
(C) Collage Management System (D) Teaching Management System
- 195) Anytime anywhere learning in real term happens only in which of the following teachers training model based on Bob Tinker's taxonomy (2001)?  
(A) The course supplement model (B) The online lecture model  
(C) The online correspondence model (D) The online collaborative model
- 196) Which of the following is not involves in the planning of the development of multimedia courseware?  
(A) The organization name (B) The identification of goals  
(C) The end users (D) The available resources
- 197) Which of the following is the most popular model in the field of educational multimedia development?  
(A)MDDEA (B)ADDIE  
(C)AEDDM (D)IADDE
- 198) Which of the following type of educational software allows students to experience events that are too dangerous, expensive or difficult to experience in reality?  
(A)Drill-and-practice software (B) Games  
(C) Simulations (D) Problem solving software
- 199) Multimedia enables learning through which of the following?  
(A) Exploration (B) Discovery  
(C) Experience (D) Exploration, Discovery and Experience
- 200) Which of the following is not a type of animation?  
(A) Cel based (B) Object based  
(C) Cel based and Object based (D) Text based



## Space for Rough Work

પરીક્ષા પૂરી થયા બાદ ઉત્તરપત્ર (OMR SHEET) ખંડ નિરીક્ષકને ખુલ્લું (કવરમાં મુક્યા વગર) પરત કર્યા બાદ જ પરીક્ષા ખંડ છોડવાનો રહેશે. તેમ કરવામાં કસૂર થયેથી શિસ્તભંગના પગલાં ગણી પરીક્ષા માટે જે તે ઉમેદવારને ગેરલાયક ઠેરવવામાં આવશે.