

SERVICE CERTIFICATE

(To be signed by Head of the Department / Employer)
The certifying authority is solely responsible for any incorrect information)

This is to certify that Sri / Smt./ Kum.
S/o /D/o /W/o. is working in our Office / Institution as
from to till date (Total Service. Years MonthsDays
as on the last date of submission of application form. His / Her Scale of pay is Rs. and his / her
gross salary is Rs. PM (Rupees).
His / Her Services are found to be Good / Satisfactory during the above period.

We have no objection to Sri / Smt. / Kum.
joining in MBA/ MCA Programme offered by School of Distance Education, Andhra University if given admission.

Place :

Signature :

Date :

Designation:

Office Seal :

* Applicable to the candidates who are seeking admissions into two year MBA Programme.

CHECK LIST :

Enclose the following with Application form :

1. Xerox Copies of Service Certificate from Head of the Department / Employer. (incase of two year MBA Programme).
2. Degree Certificate / Provisional Certificate of qualifying examination. (Xerox Copy Only).
- 2a. Intermediate or +2 examination certificate (in case of MCA Programme)
3. S.S.C. or equivalent certificate with Date of Birth
4. Xerox Copies of Caste Certificate in case of SC/ST/BC Candidates.
5. Two Self-Addressed envelopes of 9" x 4" size.

Note : Original Certificates are to be produced at the time of admission.

HALL TICKET

**ANDHRA UNIVERSITY
VISAKHAPTANAM**

SCHOOL OF DISTANCE EDUCATION

**Application form for Entrance Test for Admission into
Three Year & Two Year MBA (Marketing / Finance / HRM) / Hospital Administration /
MCA Programme 2019 - 2020**

Time & Date : 10.00 am to 12.30 pm 25-08-2019

Hall Ticket No. :

Test Centre : Srikakulam / Visakhapatnam /Gajuwaka / Kakinada / Rajahmundry / Vijayawada.

(To be filled in by the Candidate in his / her own handwriting and to be submitted along with the Application)

1. Name of the Candidate :
(IN BLOCK LETTERS)
2. Name of the Parent / Husband :
3. Identification Marks a)
b)

Latest Passport
size Photograph
to be affixed and
duly attested by
Gazetted Officer

I do hereby attest that the candidate has signed in my presence.

Signature of the Attesting Officer
with Official Stamp

Signature of the Candidate

3

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VISAKHAPTANAM**

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INTO THREE YEAR & TWO YEAR MBA (Marketing / Finance / HRM) / Hospital Administration
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INSTRUCTIONS TO THE CANDIDATE

1. Candidates are advised to be present in the test hall 15 minutes before the commencement of the test.
2. Candidates will not be admitted to the Entrance Test after 30 minutes of the commencement of the test. Candidates once admitted will not be allowed to leave the hall till half-an-hour before the closing time of the entrance test.
3. Hall Ticket shall be produced at the gate of the test centre and also in the hall at the time of the test, failing which the candidate will not be allowed to appear for the Entrance test.
4. **PLEASE NOTE** : YOUR SCRIPT WILL NOT BE VALUED IF YOU WRITE ANY IRRELEVANT MATTER OR SYMBOLS, INCLUDING RELIGIOUS MARKS AND SYMBOLS, PRAYERS OR ANY COMMUNICATION WHATSOEVER, ANYWHERE, EITHER ON THE COVER SHEET OR INSIDE THE SCRIPT.
5. ANSWER MUST BE WRITTEN IN BLUE/BLACK INK FOUNTAIN OR BALL PEN ONLY (SKETCH PEN, PENCIL OR INK OR ANY OTHER COLOUR IS NOT ALLOWED)
6. HALL TICKET MUST BE PRESERVED TILL THE TIME OF ADMISSION OF THE COURSE.
7. No. T.A. and D.A. will be paid for any journey undertaken by the candidate for the Entrance test.
8. Adoption of any kind of unfair means at the time of Test or any act of impersonation will result in invalidation of his / her script and forfeiture of his / her claim for taking the Test besides criminal action as per law. Decision of the Chief Superintendent of the Test Centre shall be final on these matters.
9. Issue of Hall Ticket appearance at the test, does not automatically entitle a candidate for admission.
10. Calculators or any other aids are not allowed in the Test Hall.
11. Any rough work is to be done only on the blank sheet provided for the purpose in the Test Booklet.
12. Attestation on the Application Form and Hall Tickets can be made by any Gazetted Officer / Principal of a College / A University Professor.
13. Each question will have four alternative choices with one correct / appropriate answer. Candidate has to choose correct / appropriate answer and has to write its number in the relevant question number box on the answer sheet. If any alteration is to be made, strike off the previous one and write the correct number neatly in the box.

(Cell Phones are strictly prohibited in the Examination Hall)
Answers with overwriting will be ignored while awarding marks.

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ANDHRA UNIVERSITY
SCHOOL OF DISTANCE EDUCATION

Time & Date
10-00 am to 12-30 pm
25-08-2019

VISAKHAPATNAM 530 003 : ANDHRA PRADESH
MBA (Marketing / Finance / HRM) / MCA / MBA (Hospital Administration)

TEST INSTRUCTIONS BOOK-LET

Last date for receipt of filled in application form : 07-08-2019 Upto 5-00 p.m

Eligibility for appearing the Test :

A) 3 - Year MBA : a) Marketing Management b) Finance Management c) Human Resource Management d) Hospital Administration	} Any Graduate of Andhra University or any other University recognised by Andhra University as equivalent there to, with 50 per cent marks (SC/ST Candidates with 45% marks) is eligible. The Candidates, with professional qualification like BE./B.Tech./ B.Pharm. / Medicine / CA / ICWA / CS / AMIE /AIETE, etc. are also eligible.
B) 2 - Year MBA : a) Marketing Management b) Finance Management c) Human Resource Management	} Any graduate Andhra University or any other University recognised by Andhra University as equivalent there to with 50 per cent marks (SC / ST Candidates with 45% Marks) is eligible. The candidates with professional qualification like BE / B.Tech. / B.Pharm. / Medicine / CA / ICWA / CS / AMIE / AIETE, etc. are also eligible. Besides the above, the candidates, who have 2 years in - service experience in an organization, after graduation, as on 1 st July, 2019 can seek admission in 2 - year MBA course (Marketing / Finance / HRM).
Note : Candidates, who qualified in ICET - 2019 or the Candidates, who completed 5 years of service by 1st July, 2019 after graduation in the respective fields, need not appear for Entrance Examination and can seek admission directly.	
C) MCA :	i) Educational Qualification : Candidates should have passed Bachelor's Degree in any faculty, of Andhra University or any other University recognised by Andhra University as equivalent there to, with 50% marks (SC / ST Candidates with 45% marks) besides passing Intermediate or +2 examination with Maths as one of the subjects of study. ii) The Course of Study for MCA Programme shall extend over a period of three Academic Years. However in case of candidates with PGDC PA of AU, the study period is two years.
Note : Candidates, who Qualified in ICET - 2019 need not appear for Entrance Examination and can seek admission directly.	

II. Schedule of dates :

- | | |
|---|--|
| a) Availability of application forms on AU Website | : 29-06-2019 |
| b) Last date for receipt of filled in application form | : 07-08-2019 |
| c) Last date for receipt of filled in application form with a fine of Rs 300/- upto | : 16-08-2019 |
| d) Date and time of Entrance Test | : 10.00 am to 12.30 pm. 25-08-2019 (Sunday) |

III. Cost of application form for Entrance Test : ₹ 500/-

(Inclusive of registration and test fee)

Application must be affixed with an attested passport size photograph taken after 01.01.2019. Candidates indulging in impersonation are liable for prosecution inviting a punishment of imprisonment of 3 to 7 years with or without fine ranging from Rs.5000/- to Rs.20,000/-.

IV. Medium of Test : English only

Hall-tickets will be issued to candidates in person one day before the commencement of the examination at the respective centres.

- Examination Centres :**
- 1) Govt. Arts College for Men, Srikakulam
 - 2) School of Distance Education, A.U. Campus, Visakhapatnam.
 - 3) TSR & TBK Degree College, Gajuwaka, Visakhapatnam.
 - 4) AKNU MSN PG Centre, Kakinada
 - 5) Govt. Arts College, Rajahmundry
 - 6) Syed Appalaswamy Degree College, Vijayawada.

The number of seats are limited. Rule of reservation will be followed as per the norms of the University. Rank obtained in the test will be valid for admission into MBA (Marketing / Finance / HRM / Hospital Administration) / MCA course offered by the School of Distance Education, Andhra University for the academic year 2019-2020 only.

* Candidates can also download the application form from our **website: WWW.andhrauniversity.edu.in**. However they have to pay Rs. 500/- by way of DD drawn in favour of The Registrar A.U. towards cost of application form along with the application.

INFORMATION ABOUT THE TEST

General Information : The test is designed to measure the candidate's ability to think systematically, to employ the verbal and mathematical skills and to assess his/her aptitude for admission into MBA / MCA Programme. The Test emphasizes accuracy. Therefore, the candidate is required to go through the instructions carefully. This is an objective type test and the questions are of multiple choice. Out of the given options, the candidate has to choose the correct answer. If the Candidate gives more than one answer to any question, such answers will be ignored while awarding marks.

PATTERN OF THE TEST : The test consists of 200 questions of 1 mark each in the following topics:

Section-A : Analytical Ability	No. of Questions
---------------------------------------	------------------

- | | |
|----------------------|----|
| i. Problem Solving | 55 |
| ii. Data Sufficiency | 20 |

Section-B : Mathematical Ability	No. of Questions
---	------------------

- | | |
|---|----|
| i. Arithmetical Ability | 35 |
| ii. Algebraical and Geometrical Ability | 30 |
| iii. Statistical Ability | 10 |

**DURATION OF THE TEST :
2 1/2 HOURS (150 MINUTES)**

Section-C : Communication Ability	No. of Questions
--	------------------

- | | |
|--------------------------------------|----|
| i. Vocabulary | 10 |
| ii. Business and Computer Technology | 10 |
| iii. Functional Grammar | 15 |
| iv. Reading Comprehension | 15 |

Total	200
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Important Instructions to Candidates :

1. Candidates are directed to carry to the examination hall the following:
 - a) Ball Point Pen (Blue or Black)
 - b) One or Two HB Pencils
 - c) Eraser (Rubber) and
 - d) Sharpener.
2. Besides the items listed above, the candidate should not bring any other material including the instructions booklet into examination hall. Candidates should not bring Papers, Cell Phones etc., into the examination hall. Any candidate found in possession of any forbidden material, will be sent out of the examination hall.
3. Candidates must remain seated in their allotted places till the completion of the examination. In no case they will be allowed to leave the examination hall till the end of the examination. Before leaving the examination hall, the candidates must return to the invigilator both the question paper booklet and the Answer Sheet.
4. Every candidate appearing for Entrance Test shall be provided with a specially designed return answer sheet on which the candidate has to mark the answers and other relevant data. The method of marking the answers is illustrated in this section.
5. Candidates shall read carefully the instructions before starting to answer the questions.
6. The question paper booklet given to the candidate shall consist of 200 multiple choice type questions in three different sections with four responses given to each question, out of which only one response is correct for the given question. Candidates shall mark the correct answer in answer sheet.

SYLLABUS AND MODEL QUESTION PAPERS

Section - A : Analytical Ability : 75 Questions (75 Marks)

1. Data Sufficiency : 20 Questions (20 Marks)

A question is given followed by data in the form of two statements labelled as I and II. If the data given in I alone is sufficient to answer the question then choice (1) is the correct answer. If the data given in II alone is sufficient to answer the question choice (2) is the correct answer. If both I and II put together are sufficient to answer the question but neither statement alone sufficient, then choice (3) is the correct answer. If both I and II put together are not sufficient to answer the question additional data is needed, then choice (4) is the correct answer.

Problem Solving 55 : Questions (55 Marks)

(a) Sequences and Series 25 : Questions (25 Marks)

Analogies of numbers and alphabets, completion of blank spaces following the pattern in a:b: :c:d relationship; odd thing out: missing number in a sequence or a series.

(b) Data Analysis : 10 Questions (10 Marks)

The data given in a Table, Graph, Bar diagram, Pie Chart, Venn Diagram or a passage is to be analysed and the questions pertaining to the data are to be answered.

Coding and Decoding Problems 10 : Questions (10 Marks)

A code pattern of English Alphabet is given. A given word or a group of letters are to be coded or decoded based on the given code or codes.

Date, Time & Arrangement Problems : 10 Questions (10 Marks)

Calendar problems, Clock Problems, blood relationships, arrivals, departures and schedules: seating arrangements, symbol notation interpretation.

Section - B : Mathematical Ability : 75 Questions (75 Marks)

I. Arithmetical Ability : 35 Questions (35 Marks)

Laws of indices, ratio and proportion; surds; numbers and divisibility, 1.c.m. and g.c.d; Rational numbers,; Ordering; Percent Profit and loss; Partnerships, Pipes and cistems, time, distance and work problems, areas, and volumes, mensuration, Modular Arithmetical.

II. Algebraical and Geometrical Ability : 30 Questions (30 Marks)

Statements, Truth tables, implication, converse and inverse, Tautologies-Sets, Relations and functions, applications, Equation line in different forms. Trigonometry - Trigonometric ratios, Trigonometric ratios of standard angles ($0^\circ, 30^\circ, 45^\circ, 60^\circ, 90^\circ$) Trigonometric identities: simple problems on heights and distances Polynomials; Remainder theorem and consequences; equations and expressions; Progressions, Binomial Theorem, Matrices, Notion of a limit and derivative Plane geometry. Triangles, Quadrilaterals, Circles, Coordinate geometry-distance between points and

III. Statistical Ability : 10 Questions (10 Marks)

Frequency distributions, Mean, Median, Mode, Standard Deviation, Correlation, Simple Problems on Probability

Section-C : Communication Ability : 50 Questions (50 Marks)

Objectives of the Test :

Candidates will be assessed on their ability to

1. Identify vocabulary used in the day-to-day communication.
2. Understand the functional use of grammar in day-to-day communication as well as in the business contexts.
3. Identify the basic terminology and concepts in computer and business contexts (letters, reports, memoranda, agenda, minutes etc.)
4. Understand written text and drawing inferences.

Part 1 : Vocabulary 10Q (10 M)

Part 2 : Business and computer terminology 10Q (10 M)

Part 3 : Functional Grammar

Part 4 : Reading Comprehension (3 Passages) 15Q (15 M)

MBA / MCA ENTRANCE TEST -
MODEL QUESTION PAPER

Time: 150 Minutes

Max. Marks: 200

SECTION - I
ANALYTICAL ABILITY

Marks: 75

Directions for questions 1 to 20:

Each question is followed by two statements I and II. Answer the question using the following instructions.

- Marks choice:
1. If the question can be answered by the statement I alone.
 2. If the statement II alone is sufficient to answer the question.
 3. If both the statements I and II are sufficient to answer the question, but neither of them alone is not sufficient.
 4. If both the statements I and II together are not sufficient to answer the question and additional data is required.

1. Are X, Y and Z rational numbers?
I. $X > Y$
II. $X > Z$
 2. Is a house site in the shape of a square?
I. Its area is 1225 sq.m.
II. Perimeter < area.
 3. What is $(A \cup B)^1$?
I. $A = \{1, 2, 3, 4, 5\}$
II. $B' = \{2, 4, 5, 6, 8\}$
 4. Is $A = B$?
I. $B \supset A$
II. $B \subset A$
 5. The two lines are parallel
I. They have different intercepts
II. Distance between the intercepts is 1 unit
 6. In how many days A and B together can do a work?
I. A can do a work in 12 days
II. B can do a work in 24 days
 7. Is number of men engaged in a work inverse proportion?
I. Ages of them
II. Time they take to finish it.
-

-
8. Two trains start simultaneously at stations B and A and travel on parallel lines. Do they meet between A and B?
- Train from station B travels with a speed of 35 km.
 - Train from station A travels with a speed of 55 km.
9. What is the sum of money a person has to pay?
- A person borrows Rs. 6,250.
 - The compound interest is 12%.
10. Can a cube of any odd number is even?
- Prime factorization of the number
 - Add consecutive odd numbers to the number
11. What is profit percentage?
- A profit of Rs. 300 on a cost price of Rs. 3,000
 - Sale price is Rs. 3,300.
12. What is the quadratic equation?
- Sum of the roots is one-half of the product of the roots and the product of the roots is 18.
 - The discriminant is 16.
13. Is the value of x unique?
- x is a negative integer
 - $x^3 - 8 = 0$
14. Are the two lines perpendicular.
- Both the lines pass through origin (0, 0)
 - The product of their slopes is -1.
15. Are m,n rational numbers?
- $m\sqrt{n\sqrt{a}} = mn\sqrt{a}$
 - $n.a^{-m} = \frac{n}{a^m}$
16. What is the value of x ?
- $2^{x+y} = 4^x$
 - $2^{x+3} = 4^{x+1}$
17. For real numbers a,b is $a > b$?
- $a^2 - b^2 > 0$
 - $b > 0$
-

-
18. If a, b are positive integers, is $a + b$ a prime number?
- I. a, b are odd
 - II. $a = 2b$
19. Is the triangle ABC right angled?
- I. $\angle B = 2\angle C$
 - II. $\angle C = \frac{2}{3}\angle A$
20. What is the volume of the cylinder?
- I. The height of the cylinder is 12 cm.
 - II. The area of its base is 106 sq.cm.

(a) Odd things out, Sequences and Series.

21. (1) Ear (2) Hand
(3) Leg (4) Heart
22. (1) 1964 (2) 1968
(3) 1976 (4) 1975
23. (1) TSVU (2) OPRQ
(3) IJLK (4) ABDC
24. (1) Violin (2) Flute
(3) Veena (4) Guitar
25. (1) 289 (2) 361
(3) 441 (4) 569

In each question number 26 to 35, a sequence of numbers or letters that follow a definite pattern are given. Each question has a blank space. This space has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern.

26. $7:25 :: 13 : \underline{\hspace{2cm}}$
- (1) 64 (2) 121
 - (3) 196 (4) 144
27. $62:88 :: \underline{\hspace{2cm}} : 99$
- (1) 73 (2) 83
 - (3) 63 (4) 53

28. $\frac{10}{13}, \frac{17}{20}, \frac{24}{27}, \frac{31}{34}, \text{---}, \frac{45}{48}, \frac{52}{55}$
- (1) $\frac{37}{41}$ (2) $\frac{32}{34}$
- (3) $\frac{38}{41}$ (4) $\frac{39}{34}$
29. 3, 4, 9, _____, 155, 924
- (1) 25 (2) 48
- (3) 74 (4) 32
30. (3, 6), (4, 12), (5, 20), _____, (7, 42), (8, 56)
- (1) (6, 30) (2) (6, 25)
- (3) (6, 35) (4) (6, 54)
31. A4C, D25F, _____ J121L, M1960
- (1) G46I (2) G64I
- (3) G81I (4) G49I
32. JOTY, INSX, _____, GLQV, FKPU
- (1) HKMR (2) HMRW
- (3) MHRW (4) MRWH
33. 5:55 :: 555 : _____
- (1) 5555 (2) 55555
- (3) 555555 (4) 5555555
34. 114 : 36 :: 514 :
- (1) 49 (2) 64
- (3) 100 (4) 81
35. BF : GK :: _____ : SW
- (1) NQ (2) RN
- (3) RV (4) NR

(b) **Coding problems:** Based on the following coding system and subject to the given conditions answer the **questions 36 to 40.**

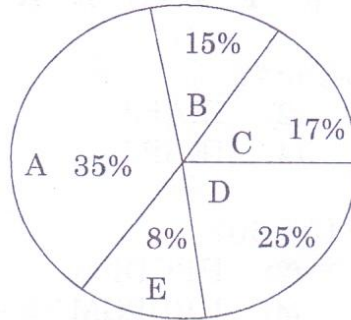
Number / Symbol : O 6 # 3 1 8 \$ 4 7 9 @ % 5 * & 2
Code : M I J F B G N K L A E P D H C O

36. What is the code word for 6@93#?
(1) IEFAN (2) IEAFJ
(3) IFAEN (4) IEBPJ
37. What is the code word for *18%50?
(1) HBNDPM (2) HBGDPM
(3) HBGPDM (4) HBDPGM
38. What is the code word for & 971 * % 0?
(1) CALBHPM (2) CALPHBM
(3) CAPLBHM (4) CALPHBM
39. What is the code word for #52*406%?
(1) JDOKHMIP (2) JDOHKIMP
(3) JDOHIMKP (4) JDOHKMIP
40. What is the code word for 70\$18#?
(1) LMBCGJ (2) LMCBGJ
(3) LMCGBJ (4) LMGCBJ

Question numbers 41 to 45: are based on the following coding pattern. Study the pattern carefully. STRING is coded as 164309 and BEATL is coded as 25768. Using the above pattern answer the **questions 41 to 45.**

41. What is the code for TRAIN?
(1) 64730 (2) 64830
(3) 68430 (4) 64703
42. What is the code for GATES?
(1) 97561 (2) 97651
(3) 97165 (4) 97851
43. 94765 is the code for
(1) GRTAE (2) GRAET
(3) GRATE (4) GETRA
44. What is the code for REAL?
(1) 4587 (2) 4578
(3) 4857 (4) 4576
45. 30654 is the code for
(1) INETR (2) INTRE
(3) INRTE (4) INTER

- (c) **Data analysis:** The following Pie chart shows the heads of expenditure under various categories in percentages in a budget of Rs. 2,675 lakhs of an industry. Study the chart carefully and answer the questions 46 to 50.



A: Salaries, B: Canteen, C: Medical expenses
D: Insurance and Social Security, E: Miscellaneous.

46. How much money in lakhs of rupees is earmarked towards insurance and social security?
- (1) 936.25 (2) 668.75
(3) 401.25 (4) 454.75
47. If the expenditure during the year amount to 9% of the canteen budget then how much money in lakhs of rupees is unspent?
- (1) 401.25 (2) 240.75
(3) 160.5 (4) 80.2
48. If the total amount spent during the year amount to 98.2% of the total budget and the expenditure during the year amount to 96.5% of the medical expenses budget then the ratio of unspent budget on medical expenses to total unspent budget (approximate to two decimal places).
- (1) 15.29 : 48.51 (2) 15.72 : 48.25
(3) 15.92 : 48.35 (4) 15.92 : 48.15
49. The amount spent during the year on salaries and miscellaneous amount to:
- (1) 1336.5 (2) 1176.25
(3) 1150.25 (4) 1096.75
50. If the total budget is Rs. 2,500 lakhs instead of Rs. 2,675 lakhs then how much amount will be decreased on medical expenses, in lakhs of rupees?
- (1) 425 (2) 625
(3) 200 (4) 375

Directions for questions 51 to 55:

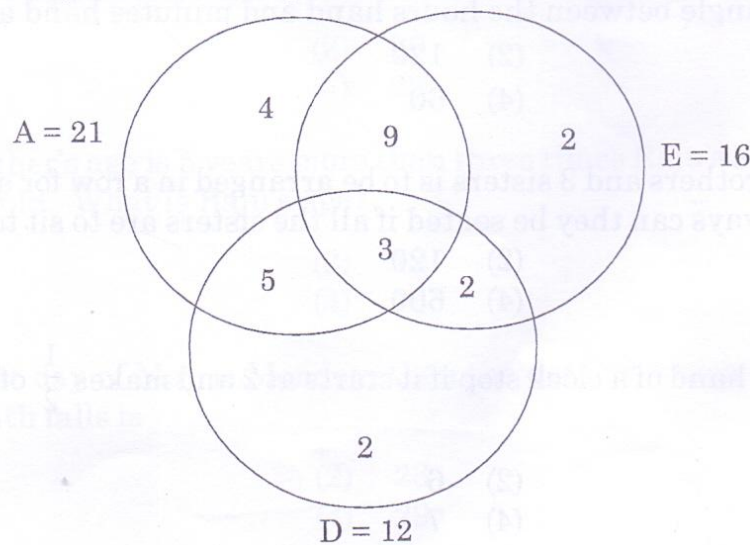
Read the following information and answer the questions 51 to 55:

A survey of the students in an educational institute was conducted to find out their interest in the three games played - Football (F), Cricket (C) and Hockey (H). It was found that 60% liked Football (F), 50% liked Hockey (H), 50% liked Cricket (C), 30% liked F and H, 20% liked H and C, 30% F and C and 10% liked all the three games.

51. What percent of the students in the school liked F and H but not C?
(1) 40 (2) 30
(3) 10 (4) 20
52. What percent of the students did not like any game?
(1) 30 (2) 20
(3) 40 (4) 10
53. What percent of the students liked exactly two out of the three games?
(1) 10 (2) 30
(3) 80 (4) 40
54. What percent of the students liked only F?
(1) 10 (2) 60
(3) 20 (4) 40
55. What percent of the students liked at least two out of the three games.
(1) 30 (2) 60
(3) 40 (4) 80

Directions for the questions 56 to 60:

Study the following figure carefully and answer the questions 56 to 60. The circle A represents actors, the circle E represents engineers and circle D represents doctors.



56. How many are at least one of actors and doctors and engineers?
(1) 12 (2) 16
(3) 21 (4) 29

57. How many are all actors and doctors and engineers?

- (1) 8 (2) 5
(3) 3 (4) 12

58. How many are both doctors and engineers?

- (1) 12 (2) 5
(3) 16 (4) 3

59. How many are both actors and doctors?

- (1) 8 (2) 12
(3) 5 (4) 3

60. How many are not of the three categories?

- (1) 26 (2) 20
(3) 0 (4) 21

(d) Date, Time and Arrangement problems:

61. If + means $-$, $-$ means $+$, \times means \div and \div means \times , then

$$((82+36)\div 2-15-9\times 9)\times 9 =$$

- (1) 13 (2) 14
(3) 11 (4) 12

62. If $9 \# 4 = 65$ and $10 \# 6 = 64$ then $11 \# 8 =$

- (1) 44 (2) 60
(3) 57 (4) 48

63. In a clock the angle between the hours hand and minutes hand at

- (1) 90 (2) 120
(3) 150 (4) 60

64. A family of 4 brothers and 3 sisters is to be arranged in a row for a photograph. In how many ways can they be seated if all the sisters are to sit together?

- (1) 720 (2) 120
(3) 360 (4) 600

65. Where will the hand of a clock stop if it starts at 2 and makes $\frac{1}{2}$ of a revolution, clock wise?

- (1) 2 (2) 6
(3) 8 (4) 7

66. In how many arrangements of the elements { T, I, N, E } the vowels do not come together?

- (1) 24 (2) 6
(3) 20 (4) 12

-
67. Which direction a man will face if he starts facing east and make $1\frac{1}{2}$ of a revolution clockwise?
- (1) West (2) East
(3) South (4) North
68. If two cylinders of diameters 14 cm and 12 cm touch externally, then the distance between their centres is
- (1) 26 (2) 14
(3) 13 (4) 24
69. A train is moving at a uniform speed of 75 km /hour. How far will it travel in 20 minutes?
- (1) 20 (2) 25
(3) 21 (4) 28
70. A car takes 2 hours to reach a destination by travelling at the speed of 60 km / hour. How long will it take when the car travels at the speed of 80 km / hour?
- (1) $1\frac{1}{2}$ hours (2) $2\frac{1}{2}$ hours
(3) $1\frac{1}{4}$ hours (4) $1\frac{3}{4}$ hours
71. If 15 workers can build a wall in 48 hours, how many workers will be required to the same work in 30 hours?
- (1) 16 (2) 18
(3) 22 (4) 24
72. The ages of Rahul and Haroon are in the ratio 5:7. Four years later the sum of their ages will be 56 years. What is Rahul's present age?
- (1) 28 (2) 20
(3) 24 (4) 22
73. Raju's father's age is 5 years more than three times Raju's age. Raju's father is 44 years old. What is Raju's age?
- (1) 11 (2) 12
(3) 13 (4) 14
74. If the first day of May is Monday, then the date on which the last Monday of that month falls is
- (1) 22 (2) 23
(3) 25 (4) 29
75. In the array 87354134623914631 how many instances are there where an odd number is followed by two even numbers?
- (1) 1 (2) 3
(3) 2 (4) 0
-

SECTION - II
MATHEMATICAL ABILITY

Marks: 75

76. If $x : y = 4 : 5$, then $(2x + 3y) : (4x - y) =$

(1) $\frac{21}{13}$

(2) $\frac{23}{11}$

(3) $\frac{13}{21}$

(4) $\frac{23}{11}$

77. A purse contains Rs. 5, Rs. 10, Rs. 20 notes in the ratio 7:5:3. If the total amount is Rs. 1,015, the number of Rs. 10 notes in the purse is _____.

(1) 25

(2) 30

(3) 35

(4) 40

78. If $125^{x+3} = 25^{2x+3} = 5^{3y}$, then $x + 2y =$

(1) 15

(2) 12

(3) 9

(4) 6

79. If $x = 5^{1/3} + 5^{-1/3}$, then $x^3 - 3x =$

(1) $5 + 5^{2/3}$

(2) $\frac{24}{5}$

(3) $5^{2/3} + 5^{-2/3}$

(4) $\frac{26}{5}$

80. If $x = 9 + 4\sqrt{5}$, then $x^2 + \frac{1}{x^2} =$

(1) 322

(2) $18 + 12\sqrt{5}$

(3) 324

(4) $27 + 12\sqrt{5}$

81. $\sqrt{21 + 8\sqrt{5}} - \sqrt{21 - 8\sqrt{5}} =$

(1) 8

(2) $16\sqrt{5}$

(3) $2\sqrt{5}$

(4) 42

82. The number which is divisible by 11 among the following is

- (1) 999 (2) 666
(3) 4444 (4) 77777

83. If the sum of first n natural numbers is 406, then $n =$

- (1) 14 (2) 21
(3) 28 (4) 29

84. The least positive integer that must be added to 3945 to make it a perfect square is _____

- (1) 19 (2) 55
(3) 30 (4) 24

85. The least positive integer which is exactly divisible by 24, 36, 48, 72 is

- (1) 144 (2) 240
(3) 72 (4) 180

86. If LCM and GCD of two positive integers are 4641 and 21 respectively. If one of the numbers is 357, then the other number is

- (1) 13 (2) 39
(3) 91 (4) 273

87. $\left(1 - \frac{1}{3}\right) \left(1 - \frac{1}{4}\right) \left(1 - \frac{1}{5}\right) \dots \left(1 - \frac{1}{90}\right) = \frac{1}{x}$ then $x =$ _____

- (1) 45 (2) 90
(3) 89 (4) 44

88. $4\frac{1}{3} \times 3\frac{1}{5} \div 5\frac{1}{2} =$

- (1) $\frac{1144}{15}$ (2) $\frac{416}{165}$
(3) $\frac{1144}{165}$ (4) $\frac{416}{15}$

89. The true statement among the following is

- (1) $2^7 < 7^2$ (2) $4^5 < 5^4$
(3) $8^3 < 3^8$ (4) $3^6 < 6^3$

90. If a number in binary code is 111000111, then the decimal representation of that number is

- (1) 544 (2) 555
(3) 455 (4) 444

91. $5\frac{1}{3}$ percent of $\frac{243}{256}$ is

- (1) $\frac{81}{1600}$ (2) $\frac{8100}{16}$
(3) $\frac{16}{81}$ (4) $\frac{16}{8100}$

92. If 7% of x is equal to 4% of 175, then x =

- (1) 25 (2) 50
(3) 100 (4) 125

93. In a school, 45% of students are girls and the remaining boys are 605. Then the total number of students in the school is

- (1) 1000 (2) 1100
(3) 1200 (4) 900

94. A reduction of 25% in the price of bananas would enable a customer to obtain 20 bananas more for Rs. 300/-. The original price of bananas per dozen in rupees is

- (1) Rs. 60 (2) Rs. 45
(3) Rs. 40 (4) Rs. 30

95. When an article is sold for Rs. 1,080/-, a trader incurs a loss of 10%. To get a profit of 15%, the selling price of the article should be _____.

- (1) 1200 (2) 1320
(3) 1380 (4) 1440

96. A trader buys 9 pens for Rs. 800/- and sells them at the rate of 8 pens for Rs. 900/-. The profit percent is
- (1) $18\frac{1}{9}$ (2) $21\frac{7}{25}$
 (3) $26\frac{9}{16}$ (4) $28\frac{4}{11}$
97. A starts a business with a capital of Rs. 25,000/-. After 3 months B joins in the business with a capital of Rs. 32,000/-. At the end of the year there is a profit of Rs. 14,700. Then the share of B in the profit in rupees is
- (1) Rs. 7,200 (2) Rs. 7,700
 (3) Rs. 6,700 (4) Rs. 6,200
98. Three persons A, B, C together start a business with capitals Rs. 3, 4, 5 lacs respectively. A being a working partner, takes a salary of Rs. 4,000 per month. Then B's share, in rupees, in a profit of Rs. 3 lacs at the end of the year in rupees is
- (1) Rs. 63,000 (2) Rs. 1,00,000
 (3) Rs. 84,000 (4) Rs. 96,000
99. Two persons A, B can complete a piece of work independently in 16, 14 days respectively. If A starts the work and both work in alternate days, then the number of days required to complete the work is
- (1) 15 (2) 14
 (3) $14\frac{1}{2}$ (4) $15\frac{1}{2}$
100. A, B, C can together complete a work in 20 days. After working with B, C for 8 days A left the work and then B and C finished the work in the next 20 days. The number of days required for A alone to complete the total work is
- (1) 30 (2) 40
 (3) 45 (4) 50
101. 6 Men can prepare 10 toys in 5 days by working 4 hours per day. The number of days required for 10 men to prepare 15 toys by working 6 hours a day is _____
- (1) 2 (2) 3
 (3) 4 (4) 5
102. Two cars start from the points A, B respectively and move in opposite directions with a speed of 40 KMPH and 60 KMPH respectively. If the distance between A and B is 120 KM, the time taken to meet each other after their start is
- (1) $1\frac{1}{2}$ hours (2) 1 hour 20 minutes
 (3) 1 hour 12 minutes (4) 1 hour 8 minutes

-
103. A train moving at a speed of 40 KMPH takes $1\frac{1}{2}$ hour more than a train moving at a speed of 60 KMPH to travel certain distance. Then the distance, in kilometers, is _____
- (1) 180 (2) 160
(3) 120 (4) 100
104. If the perimeters of a circle and a square are same, then the ratio of the diameter of the circle to the side of the square is
- (1) $2:\pi$ (2) $\pi:2$
(3) $\pi:4$ (4) $4:\pi$
105. A rectangle has dimensions 16 m and 12 m. If the perimeter of a square is same as that of the rectangle, then the area of the square in cm^2 is
- (1) 49 (2) 98
(3) 196 (4) 147
106. Two taps A, B can fill a tank independently in 6 hours and 8 hours respectively. The taps are opened at the same instant. After 1 hour tap B is closed. The time required for tap A to fill the balance in the tank is
- (1) 4 hours (2) 4 hours 15 minutes
(3) $4\frac{1}{2}$ hours (4) 4 hours 45 minutes
107. A tap can fill an empty tank in 10 hours. Due to a leak at the bottom, the tank is filled in 12 hours. Then the time taken, in hours, for the leak to empty a tank full of water is
- (1) 30 (2) 45
(3) 50 (4) 60
108. The sides of a rectangle with perimeter 100 m are the ratio 3:2 then the area of the rectangle is square meters is
- (1) 600 (2) 1200
(3) 1800 (4) 2400
109. If the total surface area of a cube is 96 m^2 , then the volume of the cube, in cubic meters, is
- (1) 4 (2) 16
(3) 64 (4) 256
110. A solution of the equation $9x \equiv 5 \pmod{7}$ is
- (1) 2 (2) 3
(3) 5 (4) 6

-
111. The contrapositive of the statement $(p \vee q) \rightarrow r$ is
- (1) $(\sim r) \rightarrow (\sim p \vee \sim q)$ (2) $r \rightarrow (p \vee q)$
(3) $(\sim r) \rightarrow (\sim p) \wedge (\sim q)$ (4) $(\sim p) \wedge (\sim q) \rightarrow \sim r$
112. The inverse of the statement $p \rightarrow (q \rightarrow r)$ is
- (1) $(\sim p) \rightarrow (q \wedge (\sim r))$ (2) $(\sim p) \rightarrow (\sim q \wedge r)$
(3) $(\sim p) \rightarrow ((\sim q) \vee r)$ (4) $(\sim p) \rightarrow (q \vee (\sim r))$
113. If a set A has 7 elements, then the number of subsets of A with at least 2 elements is
- (1) 32 (2) 60
(3) 8 (4) 120
114. If A, B are two sets such that $n(A - B) = 7, n(B) = 13$ and $n(A \cap B) = 3$, then $n(A \cup B) =$
- (1) 10 (2) 16
(3) 20 (4) 23
115. Let $A = \{1, 2, 3\}$ and R is a relation and such that $R = \{(1, 2), (2, 1), (1, 1)\}$. Then R is
- (1) only symmetric relation on A
(2) Symmetric and transitive relation on A
(3) only transitive relation on A
(4) Equivalence relation on A
116. If A, B are 2 sets having 4, 5 elements respectively, then the number of relations from A to B is
- (1) 20 (2) 2^{20}
(3) 2^5 (4) 2^9
117. If A, B are two sets with 3, 4 elements respectively, then the number of functions from A to B that are not injections is
- (1) 64 (2) 81
(3) 57 (4) 40
118. Let \mathbb{R}^+ be the set of all positive real numbers. A function $f: \mathbb{R}^+ \rightarrow \mathbb{R}^+$ is defined by $f(x) = x^2 + 3$ for all $x \in \mathbb{R}^+$. Then f is
- (1) one-one only (2) onto only
(3) a bijection (4) neither one-one nor onto

119. If a function $f: \mathbb{R} \rightarrow \mathbb{R}$ is defined by $f(x) = 3x + 7$ for all $x \in \mathbb{R}$, then

$$f^{-1}(12) = \underline{\hspace{2cm}}$$

(1) 43 (2) 5

(3) $\frac{7}{3}$ (4) $\frac{5}{3}$

120. Equation of the line passing through the point $(7, -1)$ and making an intercept of length 3 units on negative x-axis is

(1) $2x + 7y - 7 = 0$ (2) $x + 10y + 3 = 0$

(3) $x + 4y - 3 = 0$ (4) $2x + 5y - 9 = 0$

121. If x, y intercepts of a line are respectively $-4, 7$, then the slope of the line is

(1) $\frac{4}{7}$ (2) $-\frac{4}{7}$

(3) $\frac{7}{4}$ (4) $-\frac{7}{4}$

122. If $\tan \theta = \frac{3}{4}$ and θ is not in first quadrant, then $7\cos \theta - 12\sin \theta =$

(1) $\frac{27}{5}$ (2) $\frac{8}{5}$

(3) $-\frac{27}{5}$ (4) $-\frac{8}{5}$

123. If $\operatorname{cosec} \theta + \cot \theta = 5$, then $\sec \theta =$

(1) $\frac{13}{12}$ (2) $\frac{13}{5}$

(3) $\frac{12}{5}$ (4) $\frac{5}{12}$

124. The angle of elevations of the top of a tower from a point A is observed to be 30° . After moving 30 meters towards the foot of the tower, the angle of elevation of the top of the tower was 60° . Then the height of the tower, in meters, is

(1) 15 (2) 30

(3) $30\sqrt{3}$ (4) $15\sqrt{3}$

125. If x, y, z are non zero real numbers such that $x^2 + 4y^2 + 9z^2 - 2xy - 6yz - 3zx = 0$, then $x : y : z =$

(1) 1:2:3 (2) 2:3:6

(3) 6:3:2 (4) 3:2:1

126. A polynomial in x leaves remainders 3, -4 when divided by $x+2$ and $x+3$ respectively. If $ax+b$ is the remainder when the same polynomial is divided by x^2+5x+6 , then $b-2a =$ _____ .

- (1) 4 (2) 3
(3) 2 (4) 1

127. If $2x^2 - 7x - 4 > 0$ then x lies in the interval

- (1) $\left(-\infty, -\frac{1}{2}\right) \cup (4, \infty)$ (2) $(-\infty, -4) \cup \left(\frac{1}{2}, \infty\right)$
(3) $\left(-\frac{1}{2}, 4\right)$ (4) $\left(-4, \frac{1}{2}\right)$

128. If α, β are the roots of the quadratic equation $3x^2 + 4x + 5 = 0$, then $\alpha^3 + \beta^3 =$

- (1) $\frac{-64}{27}$ (2) $\frac{-224}{27}$
(3) $\frac{180}{27}$ (4) $\frac{116}{27}$

129. If 27, 35 are respectively the 7th and 23rd terms of an A.P., then the common difference of the A.P. is

- (1) 2 (2) $\frac{1}{2}$
(3) 3 (4) $\frac{1}{3}$

130. The first term of G.P. is 5 and the sum to infinite terms is 7. Then the common ratio of the G.P. is

- (1) $\frac{5}{7}$ (2) $\frac{4}{7}$
(3) $\frac{3}{7}$ (4) $\frac{2}{7}$

131. The term independent of x in the expansion of $\left(2x^2 + \frac{3}{x}\right)^6$ is

- (1) 324 (2) 3240
(3) 4860 (4) 1620

132. If A is a square matrix and A^T denotes the transpose of A , then $A - A^T$ is always a

- (1) Symmetric matrix (2) Skew-Symmetric matrix
(3) Orthogonal matrix (4) Involutory matrix

133. $\lim_{x \rightarrow 3} \frac{7x^2 - 9x - 36}{x^3 - 27} =$

- (1) $\frac{11}{9}$ (2) $\frac{9}{11}$
(3) $\frac{131}{27}$ (4) does not exist

134. If $y = x^y$, then $\frac{dy}{dx} =$

- (1) $\frac{y^2}{x(1 - \log x)}$ (2) $\frac{y^2}{x(1 - y \log y)}$
(3) $\frac{y^2}{x(1 - x \log y)}$ (4) $\frac{y^2}{x(1 - \log y)}$

135. If 12th and 13th terms of the expansion $(1+x)^{25}$ are equal, then $x =$

- (1) 1 (2) $\frac{6}{7}$
(3) $\frac{15}{11}$ (4) $\frac{7}{6}$

136. $\lim_{x \rightarrow 0} \frac{\sqrt{2+\sin x} - \sqrt{2-\sin x}}{x} =$ _____

- (1) $\frac{1}{\sqrt{2}}$ (2) $\sqrt{2}$
(3) $\frac{1}{2\sqrt{2}}$ (4) $2\sqrt{2}$

-
137. If the lengths of the diagonals of a rhombus are 12 cm and 18 cm, then the area of the rhombus, in square centimeters, is
- (1) 27 (2) 54
(3) 108 (4) 216
138. If the length of the sides BC, CA, AB of triangle ABC are respectively 10, 8, 6 cms, then the length of the median through the vertex A, in centimeters, is
- (1) $\sqrt{73}$ (2) $2\sqrt{13}$
(3) 15 (4) 5
139. If (2,7), (3, - 5), (7,1) are three consecutive vertices of a parallelogram, then its 4th vertex is
- (1) (-2, 1) (2) (6, 13)
(3) (8, - 11) (4) (5, 14)
140. The ratio in which the point (3, 2) divides the line segment joining the points (7, - 5), (- 5, 16) is
- (1) 2:1 internally (2) 2:1 externally
(3) 1:2 internally (4) 1:2 externally
141. The arithmetic mean of the squares of the first 25 natural numbers is
- (1) $\frac{221}{6}$ (2) 221
(3) 121 (4) $\frac{121}{6}$
142. If the Mean and Mode of a symmetric distribution are respectively 48 and 54, then its median is
- (1) 50 (2) 51
(3) 52 (4) 53
143. If the variance of x_1, x_2, \dots, x_n is 5, then the variance of $3x_1 + 7, 3x_2 + 7, \dots, 3x_n + 7$ is
- (1) 22 (2) 45
(3) 82 (4) 75
144. The arithmetic mean of 10 items is 12 and the arithmetic mean of another 15 items is 22. Then the arithmetic mean of the combined data of 25 items is
- (1) 16 (2) 17
(3) 18 (4) 20
-

Frequency	12	21	33	15	10	0	1	5	2
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- (1) 11 (2) 7
(3) 9 (4) 13

146. If the sum of the squares of deviations of 9 observations of a data is 15, then the coefficient of Rank correction is

- (1) $\frac{7}{8}$ (2) $\frac{9}{8}$
(3) $\frac{7}{9}$ (4) $\frac{5}{9}$

147. If two fair dice are thrown at random, then the probability that the sum of the numbers turned up is a prime number is

- (1) $\frac{19}{36}$ (2) $\frac{17}{36}$
(3) $\frac{5}{12}$ (4) $\frac{7}{12}$

148. When 6 boys and 3 girls are arranged in a row at random, the probability that no two girls sit together is

- (1) $\frac{5}{12}$ (2) $\frac{7}{12}$
(3) $\frac{2}{3}$ (4) $\frac{1}{3}$

149. When 5 fair coins are tossed at random, the probability of getting at least 4 heads is

- (1) $\frac{1}{2}$ (2) $\frac{3}{16}$
(3) $\frac{5}{16}$ (4) $\frac{5}{32}$

150. When 2 cards are drawn at random from a well shuffled pack of cards, the probability that both are hearts cards is

- (1) $\frac{1}{13}$ (2) $\frac{1}{51}$
(3) $\frac{1}{26}$ (4) $\frac{1}{17}$

145. The median of the following data is

x	3	5	7	9	11	13	15	17	19
frequency	12	21	33	15	10	8	7	3	2

- (1) 11 (2) 7
(3) 9 (4) 13

146. If the sum of the squares of deviations of 9 observations of a data is 15, then the coefficient of Rank correction is

- (1) $\frac{7}{8}$ (2) $\frac{9}{8}$
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(3) $\frac{5}{16}$ (4) $\frac{5}{32}$

150. When 2 cards are drawn at random from a well shuffled pack of cards, the probability that both are hearts cards is

- (1) $\frac{1}{13}$ (2) $\frac{1}{51}$
(3) $\frac{1}{26}$ (4) $\frac{1}{17}$

SECTION - III
COMMUNICATION ABILITY

Marks: 50

Directions for the questions 151 to 155: Fill in the blanks with the most appropriate word from the given choices:

151. An electric current will not _____ through rubber because it is a non-conductor.
(1) dispose (2) pass
(3) conduct (4) cut
152. I _____ tired after the football match.
(1) have (2) had
(3) were (4) was
153. In _____ climates usually there are no extremes of heat and cold.
(1) temperate (2) tropical
(3) cold (4) hot
154. Land snakes are not usually _____.
(1) instinctive (2) aggressive
(3) useful (4) docile
155. Calcutta is the _____ of Indian football.
(1) home (2) house
(3) field (4) club

Directions for the questions 156 to 160: Choose the word which is most nearly the same in meaning as the word or group of words given in capitals in each question:

156. AUDACITY
(1) hatred (2) arrogance
(3) boldness (4) timidity
157. MAELSTROM
(1) restlessness (2) narrow
(3) destructive (4) whirlpool
158. WASTREL
(1) crook (2) miser
(3) spendthrift (4) thief
159. LETHAL
(1) deadly (2) faint
(3) harsh (4) acrid
160. COGENT
(1) dominant (2) united
(3) frenetic (4) convincing

Directions for the questions 161 to 170: Choose the right answer to fill in the blanks:

161. 'S' in GST is the short form of _____ .
(1) software (2) solutions
(3) services (4) sales
162. IDFC dropped hints at _____ talks with shriram capital.
(1) union (2) delinking
(3) separation (4) merger
163. To enlarge a window so that it covers the entire desktop, you should click on _____ button.
(1) restore (2) apply
(3) minimize (4) maximize
164. The individual dots that make up the actual picture on your monitor screen are _____ .
(1) Pixels (2) Printer
(3) Points (4) Laser rays
165. Formatting short cut for paste in Windows 2000 is _____ .
(1) ctrl + x (2) ctrl + p
(3) ctrl + v (4) ctrl + y
166. The year in which ARPANET began
(1) 1960 (2) 1962
(3) 1963 (4) 1966
167. Sound policy is the fulcrum of economic growth. Fulcrum means
(1) king (2) balancing point
(3) moving wheel (4) milestone
168. Which of the following is not a browser?
(1) CROME (2) FIREFOX
(3) EXPLORER (4) CHROME
169. How many function keys are there in a laptop?
(1) 10 (2) 8
(3) 11 (4) 12
170. The right mouse button is also called _____ button.
(1) tools (2) tracks
(3) properties (4) print

Directions for the questions 171 to 175: Each of the following has four parts forming a sentence. The error will be formed in one of the four parts. Identify the part in which the error occurs:

171. (1) Most people in the village (2) are uneducated
(3) and so they are (4) easily cheat by politicians
172. (1) If you visited some (2) of the Western countries
(3) you will find (4) that all men dress alike.
173. (1) Sam said that (2) "My mother
(3) is much (4) better today."
- 174 (1) Vivek asked (2) me whether
(3) was I (4) his true friend?
175. (1) The teacher (2) made Ravi
(3) to repeat (4) the home work.

Directions for the questions 176 to 180: Each of the following sentences may have one or two or three mistakes or none at all. Mark (1) if there is one mistake (2) if there are two mistakes, (3) if there are three mistakes and (4) if there are no mistakes.

176. I do not like to writing to the newspapers.

- (1) 1 (2) 2
(3) 3 (4) 4

177. When shall we know the result of the examination?

- (1) 1 (2) 2
(3) 3 (4) 4

178. If the weather was fine, I used to walk to home from work every evening.

- (1) 1 (2) 2
(3) 3 (4) 4

179. We congratulated him for winning a scholarship.

- (1) 1 (2) 2
(3) 3 (4) 4

180. He not only cheated his friends but also his parents.

- (1) 1 (2) 2
(3) 3 (4) 4

Directions for the questions 171 to 175: Each of the following has four parts forming a sentence. The error will be formed in one of the four parts. Identify the part in which the error occurs:

171. (1) Most people in the village (2) are uneducated
(3) and so they are (4) easily cheat by politicians
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175. (1) The teacher (2) made Ravi
(3) to repeat (4) the home work.

Directions for the questions 176 to 180: Each of the following sentences may have one or two or three mistakes or none at all. Mark (1) if there is one mistake (2) if there are two mistakes, (3) if there are three mistakes and (4) if there are no mistakes.

176. I do not like to writing to the newspapers.

- (1) 1 (2) 2
(3) 3 (4) 4

177. When shall we know the result of the examination?

- (1) 1 (2) 2
(3) 3 (4) 4

178. If the weather was fine, I used to walk to home from work every evening.

- (1) 1 (2) 2
(3) 3 (4) 4

179. We congratulated him for winning a scholarship.

- (1) 1 (2) 2
(3) 3 (4) 4

180. He not only cheated his friends but also his parents.

- (1) 1 (2) 2
(3) 3 (4) 4

Directions for the questions 181 to 185: In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, four words are given. Find out the word which fits the blank appropriately.

The man _____ (181) a long time _____ (182) of the rich profits that could be made if the land were mined and made careful notes. He explained to his new _____ (183) that he had to _____ (184) to his own country. Once he was there, he set up a large company. It was not long before the peaceful area was taken over by strange men and even _____ (185) machines.

181. (1) made (2) spent
(3) had (4) gave
182. (1) thinking (2) singing
(3) reading (4) making
183. (1) parents (2) wife
(3) children (4) friends
184. (1) back (2) return
(3) went (4) come
185. (1) stranger (2) odd
(3) beautiful (4) old

Directions for the questions 186 to 195: Read the following passage and answer the questions below:

Why does not the nation move? First educate the nation, create your legislative body and then the law will be forthcoming. First create the power, the sanction from which the law will spring. The kings are gone, where is the new sanction, the new power of the people? Bring it up. Therefore even for social reform, the first duty is to educate the people and you will have to wait till the time comes. Most of the reforms that have been agitated for during the last century have been ornamental. Every one of these reforms touches the first two castes and no other. The question of widow marriage would not touch seventy percent of the Indian women, and all such questions reach only the higher castes of Indian people who are educated mark you, at the expenses of masses. Every effort has been spent in cleaning their own houses. But this is no reformation. You must go down to the basis of the thing, to the very root of the matter. That is what I call radical reform. Put the fire there and let it burn upwards and make an Indian nation.

186. The author says that social reforms were ornamental because there
- (1) were unfinished. (2) affected only certain castes.
(3) were not useful. (4) were not at all necessary.

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187. 'Ornamental' in the passage means
- (1) artificial (2) embellishing
(3) intellectual (4) superficial
188. The question of widow marriage amounts to
- (1) a very radical reform (2) a forward move
(3) cleaning their own houses (4) helping all Indian women
189. 'Mark' in the passage means _____.
- (1) to grade (2) to take note of
(3) to scratch (4) to indicate
190. The author says that radical reform is possible only when
- (1) old systems are destroyed (2) the fire burns
(3) people are educated (4) you wait for time
191. Radical in the passage means
- (1) fundamental (2) rational
(3) irrational (4) awesome
192. "Put the fire there" is a
- (1) simile (2) metaphor
(3) image (4) apostrophe
193. "Cleaning their own houses" means
- (1) cleaning their surroundings
(2) participating in city cleaning
(3) helping their wives in spring cleaning
(4) reforming only their communities
194. What is lost with the Kings?
- (1) royal families (2) wealth and palaces
(3) arts and literature (4) power to make laws
195. The above passage is _____
- (1) descriptive (2) narrative
(3) argumentative (4) expository

Directions for the questions 196 to 200: In the following passage there are blanks each of which has been numbered. Against the numbers printed below the passage four words suggested. Find out the appropriate word / words which fits the blank appropriately in the context of the passage.

A great deal of research is done into the best ways of improving infertile land and cultivating suitable crops. Modern methods and machines _____ (196) the developing countries, but unless the people _____ (197) how to use them properly, the situation will not improve. People in more fortunate countries (not) always _____ (198) that the world Food crisis _____ (199) us all. The world _____ (200) to everyone who lives in it and everyone has the right to eat.

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| 196. (1) helps | (2) has helped |
| (3) help | (4) was helped |
| 197. (1) make | (2) affect |
| (3) know | (4) seek |
| 198. (1) do not understand | (2) do not acknowledge |
| (3) do not record | (4) do not judge |
| 199. (1) affects | (2) effects |
| (3) influences | (4) stares |
| 200. (1) owns | (2) belongs |
| (3) possesses | (4) aims |

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