

# UNIVERSITY BUSINESS SCHOOL

## TEACHING FACULTY

### Professor

A.S.Sidhu, Ph.D.(GNDU)

Bikramjit Singh Hundal, Ph.D.(GNDU)

Bikramjit Singh Mann, Ph.D. (GNDU)

### Associate Professor

Jasveen Kaur, Ph.D. (GNDU) )(Head)

Sumninder Kaur Bawa, Ph.D. (GNDU)  
(On ex-India leave)

### Assistant Professor

Vikram, Ph.D (GNDU)

Pavleen Kaur, Ph.D. (GNDU)

Gurpreet Kaur Randhawa, Ph.D.(Kurukshetra  
University)

### Senior Programmer

Vishal Malhotra, MCA (GNDU)

## Courses offered

1. MBA (Two Years)
2. MBA (Financial Analysis)
3. MBA (Marketing Management)
4. MBA (Hospital Administration)
5. MBA Five Year Integrated Course (FYIC)
6. Bachelor of Tourism and Travel Management (BTTM)
7. Ph.D.

## Course Details:

### MBA (Two Years)

### MBA (Financial Analysis)

### MBA (MarketingManagement)

## Distribution of seats

Course	Duration (Year)	Total Seats	Reserved Categories			
			SC/ST	BC	RA	Others
MBA (Two Years)	2	120	30	6	8	16
MBA (Financial Analysis)	2	60	15	3	4	8
MBA (Marketing Management)	2	60	15	3	4	8

## Eligibility

- a) Bachelor's degree in any subject with at least 50% marks.
- b) Any other examination recognized equivalent thereto.

## Mode of Admission

Admission shall be made on the basis of Guru Nanak Dev University Management Entrance Test (GMET) to be conducted by the University Business School.

Joint Counseling shall be conducted for MBA (Two Years) for University Main Campus, Amritsar, GNDU Regional Campus, Gurdaspur and University College, Jalandhar; and for MBA (Financial Analysis), MBA (Marketing Management) and MBA (Hospital Administration) courses run by University Main Campus, Amritsar by the Coordinator, Dr. A.S. Sidhu, Professor, University Business School, Guru Nanak Dev University, Amritsar.

## Course Details:

### MBA (Hospital Administration)

Distribution of seats							
Course	Duration (Year)	System	Total Seats	Reserved Category			
				SC/ST	BC	RA	Others
MBA (Hospital Administration)	2	Semester	30	7	2	2	4

## Eligibility

- a) MBBS/BDS from a Medical/Dental Institute of India or other countries recognized by the respective Council with at least 50% marks.
- b) Bachelor of Physiotherapy/Bachelor of Science in Genetics/Nursing/Human Biology/Biotechnology/Bachelor of Pharmacy/Bachelor of Technology/Bachelor of Architecture (associated with hospitals for two years), Master of Science in Life Science with at least 50% marks.
- c) Bachelor's degree in any subject with at least 50% marks.
- d) Any other examination recognized equivalent thereto

## Mode of Admission

Admission shall be made on the basis of Guru Nanak Dev University Management Entrance Test (GMET) to be conducted by the Coordinator, Dr. A.S. Sidhu, Professor, University Business School, Guru Nanak Dev University, Amritsar.

## Dates

a)	Fee deposit date in State Bank of Patiala (Any Branch)	<b>23-05-2017 to 15-06-2017</b>
b)	Last Date for Online application Form submission	<b>25-05-2017 to 20-06-2017</b>
c)	Entrance Test	<b>28.06.2017</b> (10.30 a.m. – 1.00 p.m.)
d)	Venue of Test	a) University Business School, Guru Nanak Dev University, Amritsar. or b) GNDU College, Jalandhar.
e)	Joint Admission/Counseling for MBA (Two Years) in GNDU Main Campus, Amritsar; GNDU Regional Campus, Gurdaspur; University College Jalandhar; and MBA (Financial Analysis)/ MBA (Marketing Management)/MBA (Hospital Administration) for University Main Campus, Amritsar will be conducted. (However, the students may attend the counseling for the <b>left out seats Only</b> for GNDU, Regional Campus, Sathiala and ASSM College, Mukandpur.)	<b>11.07.2017</b> 9.00 a.m. to 12.00 noon General Category (Ranks 01 to 150), 12.30 p.m. onwards General Category (Ranks 151 to 400). <b>12.07.2017</b> 9.00 a.m. onwards- General Category (Ranks 401 onwards). <b>13.07.2017</b> 9.00 a.m. onwards- all Reserved Categories.
f)	Venue of Counseling	University Business School, Guru Nanak Dev University, Amritsar.

## Fee (Approximate)

MBA (Two Years) Rs. 56810/- (1<sup>st</sup>.Sem.) Rs.40,250/- (2<sup>nd</sup> Sem.)

MBA (Financial Analysis) Rs. 56810/- (1<sup>st</sup>. Sem.) Rs.40,250/- (2<sup>nd</sup>. Sem.)

MBA (Marketing Management) Rs. 56810/- (1<sup>st</sup>. Sem.) Rs.40,250/- (2<sup>nd</sup>. Sem.)

MBA (Hospital Administration) Rs. 56810/- (1<sup>st</sup>. Sem.) Rs.40,250/- (2<sup>nd</sup> Sem.)

## Papers for Entrance Test:

Paper	Title of the paper	No. of Questions	Marks
Paper-I	Mental and Numerical Ability	50	50
Paper-II	General Knowledge	50	50
Paper-III	General English	50	50
Paper-IV	Business Aptitude	50	50

**Contact No.** Coordinator: 0183-2258802-09 Ext. 3184.

Mobile Contacts: Mr. Harjinder Singh: 9855471347

Mr. Gagandeep: 9988179595

## Course Details:

### MBA (FYIC)

#### Distribution of seats

Course	Duration (Year)	Total Seats	Reserved Categories			
			SC/ST	BC	RA	Others
MBA (FYIC)	5	100	25	5	7	13

## Eligibility

- Senior Secondary Examination (12<sup>th</sup> Grade) with at least 50% marks in aggregate.
- Any other examination recognized equivalent thereto by GNDU, Amritsar.

## Mode of Admission

Admission will be based on merit of the candidate in the qualifying examination as per the following criteria:-

### Punjab School Education Board:

- Medical Stream: English+ Punjabi+Physics+Chemistry+Biology to make total marks of 450.
- Non-Medical Stream: English+ Punjabi + Physics + Chemistry + Maths to make total marks of 450.
- Commerce Stream: English+ Punjabi+ best four Commerce related subjects to make total marks of 450.
- Humanities Stream: English+ Punjabi+ best of three (as Humanities does not have core subjects) to make total marks of 450.

### Central Board of Secondary Education:

- Medical Stream: English+Physics+Chemistry+Biology + any other subject having highest marks to make a total of 500.
- Non-Medical Stream : English + Physics + Chemistry + Maths + any other subject having highest marks to make a total of 500.

- c) Commerce Stream: English+ best of 3 Commerce related subjects + any other subject having highest marks to make total of 500.
- d) Humanities Stream: English + best of four Humanities related subjects (as humanities does not have core subjects) to make a total of 500.

**The Indian School Certificate (ISC)**

- a) Medical Stream: English+ Physics+ Chemistry +Biology to make a total of 400.
- b) Non-Medical Stream: English + Physics + Chemistry + Maths to make a Total of 400.
- c) Commerce Stream: English + best of 3 Commerce related subjects to make a Total of 400.
- d) Humanities Stream: English + best of 3 Humanities related subjects (as Humanities does not have core subjects) to make a total of 400.

**Note: Normalization of marks will be done as per the University policy.**

**Dates**

a)	Fee deposit date in State Bank of Patiala (Any Branch)	<b>02-06-2017 to 20-06-2017</b>
b)	Last Date for Online application Form submission	<b>05-06-2017 to 23-06-2017</b>
c)	Admission/Counseling	<b>04.07.2017</b> 9.00 a.m. onwards- General Category <b>05.07.2017</b> 9.00 a.m. onwards all Reserved Categories
d)	Venue of Counseling	University Business School, Guru Nanak Dev University, Amritsar.

**Fee (Approximate)** Rs. 38360/-(1<sup>st</sup>.Sem.) Rs.21800/-(2<sup>nd</sup> Sem.)

**Note :**In the 4<sup>th</sup>& 5<sup>th</sup> Year the fee charged will be at par with our MBA General Two Year course.

**Venue of Counseling:** University Business School, Guru Nanak Dev University, Amritsar.

**Contact No.**

Coordinator: 0183-2258802-09 Ext. 3184.

Mobile Contacts: Mr. Harjinder Singh: 9855471347

Mr. Mandeep Singh: 8146656080

## Course Details:

### Bachelor of Tourism & Travel Management (BTTM)

#### Distribution of seats

Course	Duration (Year)	Total Seats	Reserved Categories			
			SC/ST	BC	RA	Others
Bachelor of Tourism & Travel Management(BTTM)	4	60	15	3	4	8

## Eligibility

- c) Senior Secondary Examination (12<sup>th</sup> Grade) with at least 50% marks in aggregate.
- d) Any other examination recognized equivalent thereto by GNDU, Amritsar.

## Mode of Admission

Admission will be based on merit of the candidate in the qualifying examination as per the following criteria:-

### Punjab School Education Board:

- e) Medical Stream: English+ Punjabi+Physics+Chemistry+Biology to make total marks of 450.
- f) Non-Medical Stream: English+ Punjabi + Physics + Chemistry + Maths to make total marks of 450.
- g) Commerce Stream: English+ Punjabi+ best four Commerce related subjects to make total marks of 450.
- h) Humanities Stream: English+ Punjabi+ best of three (as Humanities does not have core subjects) to make total marks of 450.

### Central Board of Secondary Education:

- e) Medical Stream: English+Physics+Chemistry+Biology + any other subject having highest marks to make a total of 500.
- f) Non-Medical Stream : English + Physics + Chemistry + Maths + any other subject having highest marks to make a total of 500.
- g) Commerce Stream: English+ best of 3 Commerce related subjects + any other subject having highest marks to make total of 500.
- h) Humanities Stream: English + best of four Humanities related subjects (as humanities does not have core subjects) to make a total of 500.

### The Indian School Certificate (ISC)

- e) Medical Stream: English+ Physics+ Chemistry +Biology to make a total of 400.
- f) Non-Medical Stream: English + Physics + Chemistry + Maths to make a Total of 400.
- g) Commerce Stream: English + best of 3 Commerce related subjects to make a Total of 400.
- h) Humanities Stream: English + best of 3 Humanities related subjects (as humanities does not have core subjects) to make a total of 400.

**Note: Normalization of marks will be done as per the University policy.**

## Dates

a)	Fee deposit date in State Bank of Patiala (Any Branch)	<b>02-06-2017 to 20-06-2017</b>
b)	Last Date for Online application Form submission	<b>05-06-2017 to 23-06-2017</b>
c)	Admission/Counseling	<b>06.07.2017</b> 9.00 a.m. to 12:00 noon General Category and 12:30 p.m. onwards all Reserved Categories
d)	Venue of Counseling	University Business School, Guru Nanak Dev University, Amritsar.

**Fee (Approximate)** Rs. 28410/- (1<sup>st</sup> Sem.) Rs.11850/- (2<sup>nd</sup> Sem.)

**Venue of Counseling:** University Business School, Guru Nanak Dev University, Amritsar.

## Contact No.

Coordinator: 0183-2258802-09 Ext. 3184.

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Mr. Mandeep Singh: 8146656080

## Special Features


University Business School is a prestigious management institute offering four specializations - Marketing, Finance, Human Resource Management and International Business. Two courses of MBA are also offered in Financial Analysis and Marketing Management. University Business School started MBA (Five Year Integrated Course) in July, 2014. University Business School has introduced MBA (Hospital Administration) and Bachelor of Tourism and Travel Management (BTTM) courses from the session 2015-16.

All the faculty members are actively engaged in research and have published their research papers in various national/international journals. They bring their research into the classroom that provides greater depth to the course structure.

The faculty in the Department imparts training to a large number of PhD scholars. The Pre-PhD course work is designed to make researchers aware of contemporary research areas, research methods and statistical techniques.


## Previous Year Paper for Entrance Test BUSINESS APTITUDE

- Who is the CEO of Apple Inc.?
  - Tim Cook
  - Steve Wozniak
  - Steve Jobs
  - Paul Allen
- Sergy Brin and Larry Page co-founded which of the following companies?
  - Facebook
  - Twitter
  - LinkedIn

- d) Google
3. 'Ídea Cellular' is owned by
- Bharti Enterprises
  - Aditya Birla Group
  - Hinduja Group
  - Essar Group
4. The business best seller 'Steve Jobs' is authored by
- Walter Isaacson
  - Daniel Kahneman
  - Daymond John
  - Danny Boyle
5. Who is the brand endorser of Revital?
- Salman Khan
  - Shahrukh Khan
  - Aamir Khan
  - Amitabh Bachchan
6. The car 'Tiago' has recently been launched by
- Nissan India
  - Renault India
  - Mahindra & Mahindra
  - Tata Motors
7. Five Star', the popular chocolate belongs to
- Nestle India
  - Mondelez India
  - Heinz India
  - Hershey's India
8. 'No Confusion, Great Combination' is the tagline of which brand?
- Bingo Chips
  - Shaadi.com
  - Asian Paints
  - Zodiac shirts
9. The Bravia Televisions are sold by which company?
- Panasonic
  - LG
  - Sony
  - Samsung
10. The  Symbol is associated with:
- Tata Motors Ltd
  - Toyota Motors
  - Titan Company Ltd
  - Torrent Pharmaceutical Ltd.
11. Being Human brand, a non profit charitable organization is associated with which celebrity?
- Shahrukh Khan
  - Salman Khan
  - Aamir Khan
  - Akshay Kumar
12. Brand 'Thums Up' is owned by
- Coca Cola India
  - PepsiCo India
  - Parle Agro Products
  - Red Bull India
13. Which Indian has been recently elected as head of Paris based International Chamber of Commerce?
- Kumaramangalam Birla

- b) Sunil Bharti Mittal
  - c) Mukesh Ambani
  - d) Ratan Tata
14. Which company was embroiled in scandal over cheating pollution emission tests in the US?
- a) Ford Motor Co
  - b) General Motors
  - c) Fiat Automobiles
  - d) Volkswagen AG
15. Kishore Biyani, an Indian businessman, owns which of the following retail chains?
- a) Easy Day
  - b) Hyper City
  - c) Big Bazar
  - d) Morestore
16. 'Taste Bhi, Health Bhi' is associated with which brand?
- a) Foodles Multigrain Noodles
  - b) Patanjali Atta Noodles
  - c) Top Ramen Noodles
  - d) Maggi Noodles
17. Indra Nooyi, an Indian born American Business executive, is the World wide Chairperson and CEO of which company?
- a) Pepsico
  - b) Coca Cola
  - c) Johnson & Johnson
  - d) Procter & Gamble
18. Who won the Nobel Prize in Economics in 2015 for his work on consumption, poverty and welfare?
- a) Lars Peter Hansen
  - b) Lloyd Shapley
  - c) Angus Deaton
  - d) Eugene Fama
19. Who is Nissan's Indian brand endorser?
- a) Virat Kohli
  - b) M.S. Dhoni
  - c) Rohit Sharma
  - d) Ravinder Jadeja
20. Which company is the owner of Jaguar Land Rover, a British multinational car manufacturer?
- a) Tata Motors
  - b) Ford Motor Co
  - c) General Motors
  - d) Volkswagen AG
21. In which European city is the Annual meet of World Economic Forum held?
- a) Berlin
  - b) Lyon
  - c) Davos
  - d) Hamburg
22. Who is the current CEO of Indian IT major Infosys Limited?
- a) Vishal Sikka
  - b) NR Narayan Murthy
  - c) Kris Gopalakrishnan
  - d) Nandan Nilekani
23. Which Indian company has announced to sell off its European operations?
- a) Tata Steel Ltd.
  - b) Reliance Industries Ltd.
  - c) Hindalco Industries Ltd.
  - d) Sun Pharmaceutical Industries Ltd.

24. Reliance Jio is being launched by:
- Reliance Communications Ltd.
  - Reliance Industries Ltd.
  - Reliance Telecom Ltd.
  - Reliance Infrastructure Ltd.
25. Samsung is a multinational corporation headquartered in
- Japan
  - China
  - Taiwan
  - South Korea
26. 'Jago Re' advertising campaigns are associated with which of the following companies?
- Tata Steel
  - Tata Tea
  - Tata Power
  - Tata Motors
27. 'Hamam' soap brand is owned by:
- Hindustan Unilever Ltd
  - Dabur India Ltd.
  - Godrej Consumer Products Ltd.
  - Patanjali Ayurved Ltd.
28. Alibaba, the famous e-commerce company, is headquartered in
- India
  - China
  - Dubai, United Arab Emirates
  - United Kingdom
29. 'Whatsapp', the cross platform mobile messaging app is owned by which company?
- Microsoft
  - Apple
  - Facebook
  - Google
30. 'Hotmail' the free e-mail service is provided by
- Google
  - Microsoft
  - Apple
  - Oracle
31. 'Louis Vuitton', a high end fashion brand is originally from which country?
- France
  - Italy
  - Switzerland
  - Germany
32. 'Mini Cooper' a brand of luxury cars are made by
- BMW AG
  - Mercedes Benz (Daimler AG)
  - Volkswagen AG
  - Audi AG
33. The largest bank in terms of bank branches in India is
- HDFC Bank
  - ICICI Bank
  - State Bank of India
  - Punjab National Bank
34. The present Chairperson of NITI Aayog is:
- Amitabh Kant
  - Arvind Panagariya
  - Shri Narendra Modi

- d) Bibek Debroy
35. Which entrepreneur announced in December 2015 to give majority of his wealth to “advancing human potential and promoting equality”
- Mark Zuckerberg
  - Larry Page
  - Larry Ellison
  - John Chambers
36. Alphabet Inc., created in 2015, is the parent company of which of the following companies?
- Microsoft
  - Apple
  - Dell
  - Google
37. Lionel Messi, the famous footballer, is the brand ambassador for which of the following companies?
- Honda Motors
  - Renault Motors
  - Nissan Motors
  - Tata Motors
38. ‘Mukesh Ambani’ is the chairman of:
- ITC Ltd.
  - Reliance Industries Ltd.
  - Tata Consultancy Services Ltd.
  - Godrej Consumer Products Ltd.
39. Ajay Pal Singh Banga, who was awarded Padam Shri in 2016, is the Global CEO of which of the following international finance company?
- Master Card
  - Morgan Chase
  - Citi Bank
  - Morgan Stanley
40. Which company announced the merger of LinkedIn, the social networking site, with itself?
- Microsoft Corporation
  - Facebook
  - Google
  - Apple
41. Swaraj Tractors is owned by which of the following companies?
- Tractors & Farm Equipment (TAFE)
  - Eicher Tractors
  - Mahindra & Mahindra
  - International Tractors Ltd.
42.  Is the symbol of which company?
- Hindustan Unilever Ltd.
  - Union Bank
  - United Spirits Ltd.
  - Ultra Tech Cement Ltd.
43. Silicon Valley of India is the nickname of which Indian city?
- New Delhi
  - Mumbai
  - Kolkata
  - Bangalore
44. Who is the chairman of Tata Group?
- Naval Tata
  - Ratan Tata
  - Cyrus Mistry
  - Pallonji Miistry

45. Sundar Pichai, an Indian origin business executive, was appointed the chief executive officer of which of the following companies:
- Microsoft
  - Google
  - Facebook
  - Oracle
46. Lenovo is the brand name owned by a company based in
- United States of America
  - Italy
  - France
  - China
47. 'Tyre with muscle' tagline is associated with which brand?
- Ceat
  - Bridgestone
  - MRF
  - Apollo
48. 'Sunfeast' is owned by which company?
- ITC Ltd.
  - Godrej Consumer Products Ltd.
  - Hindusthan Unilever Ltd.
  - Britannia Industries Ltd.
49. 'Vistara' an Indian airline is a joint venture between Tata Sons and
- Cathy Pacific Airways
  - Thai Airways
  - Emirates Airlines
  - Singapore Airlines
50. Lumia mobile phones are sold by:
- Motorola
  - Microsoft
  - Micromax
  - HTC

#### **MENTAL AND NUMRICAL ABILITY**

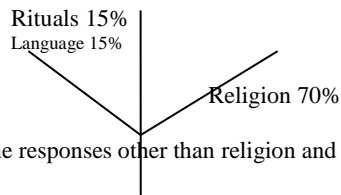
51. A train 100 m long takes 12 seconds to pass a bridge 100 metre long. What is the time taken by the train to pass a man standing on the bridge?
- 12 sec
  - 10 sec
  - 8 sec
  - 6 sec
52. A man has purchased a certain number of goods at 8/Re and the same number at 9/Re. He mixes the two together and sells the mixture at 8/Re. What is his gain or loss per cent?
- 10% Gain
  - 6.67% Gain
  - 5.88% Gain
  - 3.33% Loss
53. Find the missing number in the series: 165,195,255,285,345?
- 435
  - 405
  - 425
  - 375
54. By selling 33 meters of cloth, one gains the selling price of 11 meters. Find gain%.
- 66.7
  - 50.0
  - 33.3

- d) 20.0
55. If a clock strikes once at 1 o'clock, twice at 2 o'clock, and so on, then how many times will it strike in one day?
- 300
  - 156
  - 78
  - 136
56. If  $\frac{3}{4}$ th of a number is 19 less than original number, then the number is
- 36
  - 54
  - 64
  - 76
57. B is 10% heavier than A and C is 10% lighter than B. What could you say about the relative weights of A and C?
- C is heavier than A by 1%.
  - C is lighter than A by 1%.
  - C is lighter than A by 99%.
  - The two are equal in weight.
58. An investor bought shares of a company at a premium of Rs. 20/-. If the par value of the share is Rs. 120 and the company declares a dividend of 21% in a given year, the rate of interest received by the investor will be
- 18%
  - 20%
  - 21%
  - 24%
59. A polar tree was planted 2 years ago. It grows in height at a rate of 20% every year. If at present, height of the tree is 540 cm, what was its height at the time of its plantation?
- 324 cm
  - 375 cm
  - 385 cm
  - 432 cm
60. Six bells commence ringing together and then ring at an interval of 2, 4, 6, 8, 10 and 12 seconds respectively. In half an hour, how many times do they ring together?
- 10
  - 16
  - 15
  - 4
61. The area of a square field is 8 ha. How long would a man take to cross the field diagonally by walking at a rate of 4 km per hour?
- 5 min
  - 6 min
  - 10 min
  - 15 min
62. Radius of a spherical ball is reduced by 50%. What is the percentage of the volume by which it is reduced?
- $33\frac{1}{3}$
  - 50
  - $67\frac{2}{3}$
  - $87\frac{1}{2}$
63. In an examination, 80% of the students passed in English, 85% in Mathematics, and 75% in both Mathematics and English. If 40 students failed in both the subjects, the total number of students is:
- 200
  - 400
  - 600
  - 700

64. The value of  $\left[ \sqrt[5]{\sqrt{x^{-3/5}}} \right]^5$  is

- a) X
  - b)  $1/x$
  - c)  $X^{-3/5}$
  - d)  $X^{-5/3}$
65. A bag contain an equal number of one-rupee, 50 paise and 25 paise coins. If the value of money in the bag is Rs. 35, what is the the total number of coins?
- a) 20
  - b) 45
  - c) 60
  - d) 90
66. If, a clock strikes once at 1 o'clock, twice at 2 o'clock and son, then how many times will it strike in one day?
- a) 300
  - b) 156
  - c) 78
  - d) 136
67. If  $23 \times 46 = 4$ ;  $34 \times 98 = 6$ ;  $12 \times 56 = 15$ ; then  $32 \times 68 = ?$
- a) 2
  - b) 5
  - c) 8
  - d) 18

A survey was conducted to have a knowledge on the idea of people regarding the constituents of culture. The responses are given in the following pie-diagram. Study the diagram and answer the following questions:



68. What angle is occupied by the responses other than religion and rituals?
- a)  $30^0$
  - b)  $45^0$
  - c)  $54^0$
  - d)  $60^0$
69. In terms of the total responses obtained, the proportion of responses other than language and religion is equal to
- a)  $1/15^{\text{th}}$
  - b)  $85/100^{\text{th}}$
  - c)  $3/20^{\text{th}}$
  - d)  $1/5^{\text{th}}$
70. If the sample size is 450, then the total number of respondents who favour questions other than Language and Rituals would be
- a) 315
  - b) 305
  - c) 135
  - d) 30
71. A man is facing west. He turns through  $45^0$  in the clockwise direction and then another  $180^0$  in the same direction and then through  $270^0$  in the anticlockwise direction. Which direction he is facing now?
- a) South-West
  - b) North-East
  - c) South
  - d) South-East
72. An Interior angle of a regular polygon is 5 times its exterior angle. Then the number of sides of the polygon is
- a) 14
  - b) 16
  - c) 12

- d) 8
73. A square and a circle are formed by using pieces of wire of length 5024 cm each. Ratio of the area of square to that of the circle is
- $4:\pi$
  - $8:\pi$
  - $\pi:8$
  - $\pi:4$
74. How many times in a day the hands of a clock are at right angle to each other?
- 44
  - 22
  - 48
  - None of these
75. Aseem is 30% more efficient than Binny. How much time will they, working together, take to complete a job which Aseem alone could have completed in 23 days?
- 13
  - 14
  - 15
  - 18
76. 18% of which number is equal to 12% of 75?
- 36
  - 50
  - 32
  - 24
77. Find area of the largest circle that can be drawn in a square of side 14 cm?
- $150.25 \text{ cm}^2$
  - $153.5 \text{ cm}^2$
  - $154.0 \text{ cm}^2$
  - $156.0 \text{ cm}^2$
78. Ratio of the quantities of an acid and water in a mixture is 1:3. If 5 litres of acid is further added to the mixture, the new ratio becomes 1:2. The quantity of the new mixture in litres is
- 45
  - 42
  - 40
  - 36
79. Pipe A usually fills a tank in 2 hours. On account of a leak at the bottom of the tank, it takes pipe A 30 more minutes to fill the tank. How long will the leak take to empty the full tank, if pipe A is shut?
- $2 \frac{1}{2}$  hours
  - 4 hours
  - 5 hours
  - 10 hours
80. A man wears socks of two different colors-Red and White. He has altogether 10 Red and 10 White socks in a drawer. Supposing, he has to take out the socks in the dark, what is the minimum number of socks must he take out to be sure that he has a matching pair?
- 2
  - 3
  - 5
  - None of these
81. The average of four consecutive odd numbers is 84. What must be the smallest of these numbers?
- 79
  - 87
  - 81
  - 77
82. June 17, 2016 falls on Friday. What must be the day on January 26, 2015?
- Sunday

- b) Monday
  - c) Wednesday
  - d) Friday
83. In an examination, a candidate scores 2 marks for every correct answer and loses 1 mark for every wrong answer. A candidate attempted all the 100 questions and scored 80 marks. How many questions did he answer correctly?
- a) 80
  - b) 60
  - c) 50
  - d) None of these
84. A man started walking from his house towards south. After walking 6 km, he turned to his left and walked 5 km. Then he walked further 3 km after turning left. He then turned to his left and continued his walk for 9 km. How far is he away from his house?
- a) 3 Km
  - b) 4Km
  - c) 5Km
  - d) 6Km
85. The quantity of water in a cistern doubles every minute. It gets filled up in 60 minutes. In how many minutes will it be filled to one-fourth of its capacity?
- a) 15
  - b) 36
  - c) 54
  - d) 58
86. The simple interest on a sum of money will be Rs 600 after 10 years. If the principal is trebled after five years, what will be the total interest earned at the end of the 10<sup>th</sup> year?
- a) Rs.600/-
  - b) Rs.900/-
  - c) Rs.1200/-
  - d) Data insufficient
87. Aman and Raman together can do a piece of work in 12 days. Aman worked for 4 days and then Raman finished the remaining work in 24 days. In how many days can Aman alone finish the work?
- a) 18 days
  - b) 20 days
  - c) 24 days
  - d) 30 days
88. If the speed of the train is increased by 5 km/hr from its normal speed, then it would have taken 2 hours less for a journey of 300 km. What is the normal speed of the train?
- a) 45 km/hr
  - b) 30 km/hr
  - c) 25 km/hr
  - d) 20 km/hr
89. Replace sign of interrogation with the number from below: 0,6,24,60,120, ?
- a) 196
  - b) 210
  - c) 214
  - d) 216
90. Rakesh is 15<sup>th</sup> from front in a column of boys. There were thrice as many behind him as there were in front. How many boys are there between Rakesh and the 7<sup>th</sup> boy from the end of the column?
- a) 35
  - b) 34
  - c) 33
  - d) None of these
91. Pointing to a photograph, a lady tells Promod, 'I am the only daughter of this lady and her son is your maternal uncle'. How is this speaker related to Promod's father?
- a) Sister-in-law

- b) Sister
  - c) Wife
  - d) Mother
92. The percent profit made on an article when sold for Rs.78 is twice as when sold for Rs 69. Therefore, cost price of the article is
- a) 54
  - b) 56
  - c) 60
  - d) 65
93. A person marks his goods at 20% higher than its cost price and allows a discount of 5%. Therefore, the profit percentage is?
- a)  $12\frac{1}{2}$
  - b) 14
  - c) 16
  - d)  $18\frac{1}{2}$
94. 'Buy 5, get 3 free' is equivalent to what percent discount?
- a) 60
  - b)  $40\frac{3}{4}$
  - c)  $37\frac{1}{2}$
  - d)  $33\frac{1}{3}$
95. What amount of each installment will discharge a debt of Rs. 3220 due in 4 years at 10% simple interest?
- a) Rs. 700
  - b) Rs. 650
  - c) Rs. 925
  - d) Rs. 1127
96. A monkey climbs a pole 36 meter long. In the first minute, he climbs 4m and in the second minute, he slips down 2m. In the third minute, he again climb 4m and in the fourth minute, he slips down 2m. If he continues to do like this, find the time taken by him to first touch the top.
- a) 17 min
  - b) 18 min
  - c) 33 min
  - d) 36 min
97. The marked price of a mixie is Rs.1600. The shopkeeper offers successive discounts of 10% and x% to the customer. If the customer pays Rs. 1224 for the mixie, what must be the value of x?
- a) 8%
  - b) 10%
  - c) 12%
  - d) 15%
98. Given A is 50% larger than C and B is 25% larger than C, then A is what % larger than B?
- a) 18%
  - b) 20%
  - c) 22.5%
  - d) 25%
99. What will be the angle between two hands of a clock at 8.30?
- a)  $60^0$
  - b)  $72^0$
  - c)  $75^0$
  - d)  $80^0$
100. On dividing a certain number by 342, we get 47 as remainder. What will be the remainder if the same number is divided by 18?
- a) 11
  - b) 17
  - c) 9
  - d) 2

GENERAL ENGLISH

Select the word that does not belong to the group (Q 101-102)

101.

- a) Mess
- b) Dilemma
- c) Disorder
- d) Chaos

102.

- a) Hybrid
- b) Fusion
- c) Blend
- d) Pure

Select the correct Sentence (Q 103-104)

103.

- a) To be intelligent is more essential than being hard working
- b) Being intelligent is more important than to be hard working
- c) For one to be intelligent is more important than being hard working.
- d) Being intelligent is more important than being hard working.

104.

- a) It is high time he started earning.
- b) The villagers were enjoying winter evening around fire.
- c) I am an optimist and therefore I differ from you.
- d) Neena can do it alone and nobody else can do it.

Select the incorrect sentence (Q 105-107)

105.

- a) She insisted on my staying there.
- b) Many problems are staring me in my face.
- c) My sister is a poet and the philosopher.
- d) Meena seldom or never refuses an invitation.

106.

- a) She is not so wise as his brother
- b) The audience looked at him while he was speaking.
- c) Your answers are better than Mohan's.
- d) It was me that gave away the prizes.

107.

- a) Everybody knows that Rahul is nothing else but a cheat.
- b) The teacher made it a point to explain him the solution.
- c) The nature of my brother is the same as yours.
- d) A summons has been served on him.

Fill the Blanks with the appropriate set of words (Q 108-112)

108. India's immense physical size, as also the fact of its .....society .....any attempt towards a neat capsuled presentation on any subject.

- a) cultured, demonstrates
- b) pluralistic, defies
- c) multi-religious, fail
- d) amorphous, challenges

109. The secretary.....the society's fund,.....he was dismissed.

- a) misplaced, soon
- b) robbed, thus
- c) pirated, some

- d) misappropriated, so
110. They wanted to .....all these books, but they could not find .....time to do so.
- a) cover, almost
  - b) pursue, necessary
  - c) dispose, some
  - d) read, sufficient
111. There is no glory in war .....the blood it.....
- a) thinking, demands
  - b) considering, sheds
  - c) worth, costs
  - d) comparing, spills
112. The.....words of the mother comforted the .....child.
- a) harsh, naughty
  - b) sweet, happy
  - c) soft, energetic
  - d) soothing, disappointed

Fill in the blanks with appropriate prepositions (Q 113-116)

113. The boys are seen hanging .....girl's hostel.
- a) out
  - b) on
  - c) about
  - d) around
114. No one believes him because he is false .....heart.
- a) to
  - b) at
  - c) of
  - d) in
115. After all hard work has come to tell.....your health.
- a) on
  - b) upon
  - c) at
  - d) of
116. The court has absolved him .....all the charges.
- a) of
  - b) from
  - c) to
  - d) off

Fill in the blanks with appropriate words (Q 117-120)

117. The .....arguments put forth for not disclosing the facts did not impress anybody.
- a) intemperate
  - b) spurious
  - c) specious
  - d) convincing
118. On second reading his poems strike us as singularly.....of sublime emotions.
- a) attributive
  - b) significative
  - c) symptomatic
  - d) evocative
119. Even a .....glance will reveal the mystery.
- a) crude
  - b) cursory
  - c) critical
  - d) curious

120. We.....trouble on our borders.

- a) apprehend
- b) comprehend
- c) supplement
- d) compliment

Select the word which is nearest in meaning to the underlined words (Q 121-125)

121. covetous

- a) greed
- b) benevolence
- c) awkward
- d) liberality

122. Eloquence

- a) stammering
- b) indistinct
- c) fluency
- d) inarticulate

123. Efface

- a) retain
- b) obliterate
- c) regenerate
- d) depression

124. Abate

- a) decrease
- b) intensify
- c) anxiety
- d) augment

125. Novice

- a) veteran
- b) considerate
- c) apprentice
- d) experienced

Select the word which is opposite in meaning to the underlined words (Q 126-130)

126. Nimble

- a) sluggish
- b) agile
- c) attentive
- d) considerate

127. Lax

- a) slack
- b) abundant
- c) merciful
- d) firm

128. Profligate

- a) virtuous
- b) dissolute
- c) lavish
- d) normal

129. Placid

- a) tranquil
- b) turbulent
- c) intangible
- d) polite

130. Reverence

- a) respect
- b) disclose
- c) esteem
- d) offence

Select one-word substitution (Q 131-135)

131. Departure from usual/normal

- a) annuity
- b) cognet
- c) aberration
- d) reprieve

132. The doctrine that only one Supreme Being exists.

- a) monism
- b) moniform
- c) monistic
- d) monologue

133. To mortgage a thing

- a) pawnee
- b) hypothecate
- c) hypochondriate
- d) hypothesis

134. One which is approaching.

- a) impeding
- b) impending
- c) insipid
- d) incogniting

135. To write hurriedly

- a) jeer
- b) note
- c) jot
- d) write

Select the misspelt words (Q 136-140)

136.

- a. cartilage
- b. electioneering
- c. grocery
- d. Genghis Khan

137.

- a. Repercussion
- b. Repertoire
- c. Rancour
- d. Rancid

138.

- a. Parmenides
- b. Aristotle
- c. Herodotus
- d. Hereclitus

139.

- a. Herbarium
- b. Herbalism
- c. Herbege
- d. Herbaceous

140.

- a. Sanskara

- b. Sannyasi
- c. Purana
- d. Upanishads

Select the word with spellings (Q 141-145)

- 141.
  - a. Joseph Conrad
  - b. Samuel Backett
  - c. Shalley
  - d. Don Juanne
- 142.
  - a. Chille
  - b. Mauritius
  - c. Boliwia
  - d. Peeru
- 143.
  - a. Mex Mullar
  - b. Edward Said
  - c. Gustave Flauberte
  - d. Franz Fanoune
- 144.
  - a. Haemoglobin
  - b. Haemolymph
  - c. Haemodanamic
  - d. Haemodialysis
- 145.
  - a. Neils Bohr
  - b. Niels Bohr
  - c. Albert Einsteine
  - d. Mary Curie

Select the correct meaning of the following phrases (Q 146-150)

- 146. To hold something in leash
  - a) to restrain
  - b) to disappoint
  - c) to dismiss
  - d) to discourage
- 147. A snake in the grass
  - a) secret or hidden enemy
  - b) unforeseen happening
  - c) unrecognizable danger
  - d) unreliable person
- 148. To be at logger heads
  - a) to have tough heads
  - b) to be at enmity or strife
  - c) to face opposition
  - d) to tax one's mind
- 149. A pipe dream
  - a) a pleasant dream
  - b) a bad dream
  - c) an impractical dream
  - d) a foolish idea
- 150. To lose one's head
  - a) to go mad

- b) to become intelligent
- c) to become confused or over excited
- d) to loose balance

#### GENERAL KNOWLEDGE

151. When a person enters a dark room from the bright light:
  - a) The iris contracts
  - b) The iris expands
  - c) Distance between retina and lens increases
  - d) Length of lens increases
152. Light year is a unit of:
  - a) Time
  - b) Light intensity
  - c) distance
  - d) None of these
153. The number of spinal nerves in man is:
  - a) 31 pairs
  - b) 35 pairs
  - c) 12 pairs
  - d) 102 pairs
154. The Prime Minister of India, at the time of his/her appointment:
  - a) Need not necessarily be the member of parliament but must become a member of the either House within 6 months
  - b) Need not necessarily be the member of parliament but must become a member of the Lok Sabha within 6 months
  - c) Must be the member of parliament
  - d) None of these
155. The chief function of bile is to:
  - a) Eliminate waste from body
  - b) Regulate the process of digestion
  - c) Digest fats by enzymatic action
  - d) Emulsify fats for digestion
156. Which of the following has closed type of circulatory system?
  - a) Cockroach
  - b) Fish
  - c) Mollusk
  - d) Scorpion
157. If a magnet is cut into two pieces of equal length:
  - a) Both pieces will lose their magnetism
  - b) One piece will act as north pole and other as south pole
  - c) Both pieces will behave as complete magnets
  - d) None of these
158. Which of the following is a fertilizer?
  - a) Sodium nitrate
  - b) Sodium carbonate
  - c) Sodium peroxide
  - d) All the above
159. Which of the following is the best source of Vitamin A?
  - a) Apple
  - b) Peanuts
  - c) Carrot
  - d) Honey
160. Balance of trade is unfavourable when:
  - a) Exports exceed imports
  - b) Exports are equal to imports

- c) Imports exceed exports  
d) None of these
161. Location of the shop is not important for:  
a) Mail order business houses  
b) Superbazzars  
c) Departmental stores  
d) All the above
162. Which of the following statements is/are correct about National Calendar of India?  
1. It is based on Saka era.  
2. Ashad is the first month.  
a) Only 1  
b) Only 2  
c) Both a and 2  
d) None of these
163. Which of the following is not a fundamental right?  
a) Right of assembly, association or union  
b) Right against exploitation  
c) Right to free profession, practice and propagation of religion  
d) Right to strike and protest
164. The minimum age to be a member of Rajya Sabha is:  
a) 35 years  
b) 30 years  
c) 25 years  
d) 21 years
165. Match the following:
- | <u>Musical instrument</u> | <u>Instrumentalist</u>       |
|---------------------------|------------------------------|
| a) Sarod                  | 1. L.Subramaniam             |
| b) Veena                  | 2. Ustad Bismillah Khan      |
| c) Violin                 | 3. Pandit Vishwa Mohan Bhatt |
| d) Shehnai                | 4. Ustad Amzad Ali Khan      |
| a) a-3,b-4,c-2,d-1        |                              |
| b) a-1,b-2,c-3,d-4        |                              |
| c) a-4,b-3,c-2,d-1        |                              |
| d) a-3,b-4,c-1,d-2        |                              |
166. Which of the following states has the highest number of National Parks?  
a) Maharashtra  
b) Madhya Pradesh  
c) Assam  
d) Rajasthan
167. Which of the following statements is correct?  
1. Infant mortality rate takes into account the death of infants within a month after birth.  
2. Infant mortality rate is the number of infants deaths in a particular year per 100 live births during the year.  
a) Only 1  
b) Only 2  
c) Both 1 and 2  
d) Neither 1 nor 2
168. Which of the following is the host country for UEFA Euro Cup 2016?  
a) England  
b) Spain  
c) Germany  
d) France
169. Which of the following is correct about the **Goods and Services Tax Bill or GST Bill**?  
a) It is officially known as **The Constitution (One Hundred and Twenty-Fifth Amendment) Bill, 2014**.  
b) It proposes a national value added tax.

- c) "Goods and Services Tax" would be a comprehensive direct tax on manufacture, sale and consumption of goods and services.
  - d) None of the these.
170. How much Krishi Kalyan Cess has been levied over and above service tax and Swachh Bharat Cess?
- a) 0.05%
  - b) 0.5%
  - c) 5%
  - d) None of these
171. India's boundary with which of the following countries is known as Durand Line?
- a) Pakistan
  - b) Afghanistan
  - c) Nepal
  - d) Bhutan
172. Gulf of Khambhat is:
- a) Oil deposits and fishing ground in Arabian Sea
  - b) Palk Bay
  - c) Gulf of Mannar
  - d) Gulf of Kuch
173. The land between which of the following rivers is known as 'Bari'?
- a) Beas and Sutlej
  - b) Beas and Ravi
  - c) Chenab and Jhelum
  - d) Jhelum and Indus
174. In the peninsular river system which of the following rivers is not East flowing?
- a) Mahanadi
  - b) Godavari
  - c) Narmada
  - d) Krishna
175. The shallow cyclonic disturbances coming from Mediterranean sea and causing rainfall in North West India are called:
- a) Monsoon trough
  - b) Bordoichilla
  - c) Albedo
  - d) Western Disturbances
176. 'Kuchipudi' a classic dance, achieved excellence during the reign of:
- a) Alau'd-din Khilji of Delhi Sultanate
  - b) Raja Man Singh of Gwalior
  - c) Abdul Hassan Tanesha of Golconda dynasty
  - d) Pulakehin of Chalukya dynasty
177. Nagarjuna Sagar project is over the river:
- a) Godavari
  - b) Mahanadi
  - c) Cauvery
  - d) Krishna
178. Which of the following forts was not got constructed by Akbar?
- a) Purana Quila
  - b) Agra Fort
  - c) Allahabad Fort
  - d) Lahore Fort
179. The proposal for partition of India into India and Pakistan were contained in
- a) Cripps Mission proposals
  - b) Cabinet Mission Proposals
  - c) Mountbatten Plan of 3<sup>rd</sup> June, 1947
  - d) Prime Minister Attlee's statement
180. Match the following:

- a) 1919
- b) 1920
- c) 1930
- d) 1942
- a) a-3,b-4,c-1,d-2
- b) a-2,b-1,c-4,d-3
- c) a-4,b-3,c-2,d-1
- d) a-1,b-2,c-3,d-4

- 1.Non-Cooperation Movement
- 2.Jallianwala Bagh Tragedy
- 3.Quit India Movement
- 4.Civil Disobedience Movement

181. United Nations headquarters are at:

- a) Geneva
- b) Brussels
- c) New York City
- d) Washington

182. Who was the British General who considered Rani Laxmibai as 'the best and the bravest military leader of the rebels'?

- a) Sir Colin Campbell
- b) Major General Havelock
- c) Sir James Outram
- d) Sir Hugh Rose

183. Who among the following is the Vice Chairman of NITI Aayog?

- a) Arun Jaitley
- b) Subramaniam Swamy
- c) Arvind Pangariya
- d) Kaushik Basu

184. What is the purpose of Jan Dhan Yojana?

- a) Improving agriculture
- b) Adequate wages to the poor
- c) Financial inclusion
- d) None of these

185. As per 2011 Census, sex ratio in India is :

- a) 940
- b) 960
- c) 860
- d) 840

186. Which of the following is the largest fresh water lake?

- a) Lake Superior
- b) Baltic Sea
- c) Caspian Sea
- d) Lake Baikal

187. Which of the following is known as the roof of the world?

- a) The Mount Everest
- b) Tibet
- c) The Pamirs
- d) All the above

188. Which of the following is not correct regarding MGNREG Act, 2005?

- a) Right to work is considered as the legal right under the Act
- b) It guarantees 100 days of wage employment to every adult member of the rural families
- c) It is implemented under Ministry of Rural Development
- d) 90% funding is borne by the Central Government

189. In production of wheat India has which position in the world?

- a) First
- b) Second
- c) Third
- d) Fourth

190. Loan for marriage is known as:

- a) Direct productive loan
  - b) Indirect productive loan
  - c) Unproductive loan
  - d) None of these
191. Price elasticity of demand is always:
- a) Positive
  - b) Negative
  - c) Zero
  - d) None of these
192. The new name of Indian Standard Institution is
- a) Bureau of Indian Standards
  - b) Institute of Indian Standards
  - c) Standard Institute of India
  - d) None of these
193. Which of the following is also referred to as “opportunity cost”?
- a) Money cost
  - b) Fixed cost
  - c) Social cost
  - d) Alternate cost
194. Pie diagram is:
- a) One dimensional
  - b) Two dimensional
  - c) Three dimensional
  - d) It has no dimension
195. Which of the following is the best conductor of heat?
- a) Filtered hot water
  - b) Filtered water at room temperature
  - c) Distilled Water
  - d) Hard Water
196. Woollen clothes are warmer than cotton clothes because:
- a) They are better absorbers of heat
  - b) They are better insulators of heat
  - c) They are better radiators of heat
  - d) They are heavier than cotton clothes
197. When a body is taken from the Earth to the Moon:
- a) Its weight increases
  - b) It becomes weightless
  - c) Its weight decreases
  - d) None of these
198. An ice cube is floating in water. When this ice cube melts, the water level
- a) Rises
  - b) Falls
  - c) Remains the same
  - d) First increases, then decreases
199. The end of Knife is made pointed to have
- a) Less pressure
  - b) More pressure
  - c) To make it artistic
  - d) None of these
200. A cricketer lowers his hand while catching the ball. This saves him from injury due to:
- a) Conservation of momentum
  - b) Newton’s third law of motion
  - c) Conservation of energy
  - d) Centripetal force