



BRIXTON COLLEGE

Mahendranagar, Kanchanpur

Time:1:30 hrs

Model Set: BCA Entrance

Verbal Ability[25 X 1=25]

Direction: Select the word which is/are closest to the meaning of bold word:

1. Quota

- (a) Quotation (b) Quote (c) Limited number (d) Unlimited quantity

2. Plumb

- (a) Thin (b) Fat (c) Chubby (d) Plumber

3. Visualize

- (a) To see future (b) Vision (c) Void (d) Vector

4. Compassion

- (a) Comparison (b) Cost (c) Love (d) Hate

5. Unison

- (a) Union (b) Complete (c) Care (d) Universal

6. When Hari left the cocktail party he was quite

- (a) Drunk (b) driving (c) amazed (d) lofty

7. We had to pay more taxi fare because the taxi driver brought us by a route.

- (a) Short (b) Longest (c) Alternative (d) High speed

Direction: Each question below consists of an idiom or phrase followed by four lettered expression. Choose the lettered expressions that most nearly express the meaning of the idiom or phrase.

8. Throw a party

- (a) Leave the party (b) Celebrate
(c) Throw food in the party (d) Start conflict in the party

9. The rest is history

- (a) History takes rest (b) Known to everyone
(c) To avoid historical facts (d) History repeats itself

10. Live like a king

- (a) Live a very high quality life (b) Live like king of Nepal
(c) Live the life of a saint (d) Live like Indra, the king of Heaven

11. Warm as toast

- (a) Very hot (b) Very fresh (c) Lukewarm (d) Cold

12. Ride out the storm

- (a) To overcome difficulty (b) To come out in the storm
(c) To play in the storm (d) Ride a horse

13. We lost confidence in him because he never the grandiose promises he made.

- (a) forgot (b) tried (c) delivered on (d) relied upon

14. Some very durable plastics when exposed to sunlight.

- (a) Harden (b) stagnate (c) decay (d) decompose

15. When Hari left the cocktail party he was quite

- (a) Drunk (b) driving (c) amazed (d) lofty

16. The students organized a

- (a) Feet (b) fiat (c) fate (d) feat

17. Her attitude was.....in the answer she gave you.

- (a) Impetuous (b) impetus (c) implicit (d) explicit

Directions: select the word or phrase that is most nearly opposite in meaning to the word.

18. Derogatory

- (a)Complaint (b) Complimentary (c) Malevolent (d) Obliterate

19. Temperate

- (a) Aged (b) Unlimited (c) Productive (d) Inebriated

20. Stigma

- (a)Mark of esteem (b) Sign of decline
(c)Reflection of glory (d) Notice of rejection

21. Mute

- (a) Diversify (b)Quicken (c)Harmonize (d)Amplify

22. Foment

- (a)Pretend (b) Subside (c)Inhibit (d)Assume

23. If I miss the bus, I..... by bike.?

- (a) Will go, (b)would go (c) would have gone (d)went

24. Ritais.....

- (a)Senior than Ramita. (b)More senior than Ramita.
(c)senior than Ramita (d)senior to Ramita

25. She said to me Do you like coffee.?

- (a)We used me you liked coffee (b)he asked me if I liked coffee
(c)he asked me if you liked coffee (d)he told me if I liked coffee

Quantitative Ability[20 X 1=20]

1. H.C.F. of 513, 1134 and 1215 is _____

- (a) 18 (b) 27 (c) 33 (d) 36

2. Find the least number which is exactly divisible by 12, 15, and 20.

- (a) 40 (b) 50 (c) 60 (d) 80

3. If there are 6 terms in a series, then find the sum of geometric series 2, 6, 18, 54, ...

- (a) 758 (b) 728 (c) 754 (d) 738

4. If $6 + 12 + 18 + 24 + \dots = 1800$, then find the number of terms in the series.

- (a) 21 (b) 22 (c) 23 (d) 24

5. Reema can complete a piece of work in 12 days while Seema can the same work in 18 days. If they both work together, then how many days will be required to finish the work?

- (a) 6 days (b) 7.2 days (c) 9.5 days (d) 12 days

6.If $n(A) = 50$, $n(B) = 40$ then what will be the maximum value of $n(A \cup B)$?

- (a) 50 (b) 40 (c) 10 (d) 90

7.If $f(x) = 2x + 5$, then $f(f(5))$ is.....

- (a) 15 (b) 5 (c) 10 (d) 45

8. The difference between C.I. and S.I. on a certain sum at 10 % per annum for 2 years is Rs. 530. Find the sum.

- (a) Rs. 53000 (b) Rs. 57500 (c) Rs. 69800 (d) Rs. 28090

9. A shopkeeper sells an article for Rs. 200 with a loss of Rs. 20 %. Find the cost price of the article.

- (a) 220 (b) 250 (c) 280 (d) 260

10. If order of matrix A is $m \times n$ and order of matrix B in $n \times p$ then order of matrix AB is.....

- (a) $m \times n$ (b) $n \times p$ (c) $p \times m$ (d) $m \times p$

11. S.P. of 10 candles is same as C.P. of 12 candles. Find the gain percent.

- (a) 11 % (b) 15 % (c) 20 % (d) 25 %

12. Rahul is 15 years elder than Rohan. If 5 years ago, Rahul was 3 times as old as Rohan, then find Rahul's present age.

- (a) 32.5 years (b) 27.5 years (c) 25 years (d) 24.9 years

13. One year ago, ratio of Harry and Peter ages was 5:6 respectively. After 4 years, this ratio becomes 6:7. How old is Peter?

- (a) 25 years (b) 26 years (c) 31 years (d) 35 years

14. If x and y are two real numbers then which one of the following relation is false.

- (a) $|x + y| \leq |x| + |y|$ (b) $|x - y| \geq |x| - |y|$
(c) $|x - y| \leq |x| + |y|$ (d) $|xy| = |x||y|$

15. If $ac > 0$ then which of the following is true:

- (a) $a > 0, c < 0$ (b) $a > 0, c > 0$ (c) $a > 0, a < 0$ (d) $a < 0, c > 0$

16. The inequality $-1 \leq x \leq 7$ is in absolute value sign as

- (a) $|x - 2| \leq 4$ (b) $|x - 3| \leq 4$ (c) $|x - 1| \leq 2$ (d) $|x - 5| \leq 2$

17. The x - intercept of the function $f(x) = (x + 1)(x - 2)$ is

- (a) -1 or 2 (b) 1 or -2 (c) 1 or 2 (d) -1 or -2

18. If A, G and H denote the arithmetic mean, geometric mean and harmonic between 5 and 15 then

- (a) $A = G = H$ (b) $A < G < H$ (c) $A > G > H$ (d) None of these

19. A square matrix A is said to be singular matrix if

- (a) $|A| = 1$ (b) $|A| = 0$ (c) $|A| \neq 0$ (d) $|A| = 2$

20. The equation of a locus of a point which abscissa is always 3 is:

- (a) $y = 3$ (b) $x + y = 3$ (c) $x - y = 3$ (d) $x = 3$

Computer Science[25 X 1=25]

1. Which computer was introduced to Nepal for the first time?.

- (a) Apple II (b) Commodore 64 (c) VAX 11/780 (d) IBM 1401

2. The Basic Input Output System (BIOS) resides in

- (a) RAM (b) ROM (c) The CPU (d) Cache Memory

3. Booting means

- (a) Restarting computer (b) Removing errors
(c) Installing program (d) Switch off

4. Interpreter is used as a translator for

- (a) Low level language (b) High Level Language
(c) COBOL (d) C

5. The language made up of binary coded instructions.

- (a) Machine (b) C
(c) BASIC (d) High level

6. A person who designs the programs in a software package is called :

- (a) User (b) Software Manager
(c) System Developer (d) System Programmer

7. Which of the following is designed to harm computer system and networking?

- (a) Application Software (c) Utility Software
(b) System Software (d) Antivirus Software

8. Outlook express lets you

- (a) Mail communication (b) Internet
(c) Connects to ISP (d) All of above

9. Which of the following is not a type of computer on the basis of operation?
(a) Digital (b) Analog
(c) Hybrid (d) Remote
10. Which of the following is the smallest unit of data in a computer?
(a) Bit (b) Byte
(c) Nibble (d) KB
11. Which unit is responsible for converting the data received from the user into computer understandable format?
(a) Memory Unit (b) Arithmetic & Logic Unit
(c) Input Unit (d) Output Unit
12. The only language which the computer understands is _____
(a) Assembly Language (b) Machine Language
(c) BASIC (d) C Language
13. One nibble is equivalent to how many bits?
(a) 2 (b) 4 (c) 8 (d) 1
14. Which of them is not an ideal way of spreading the virus?
(a) CD (b) USB
(c) Emails (d) Infected Websites
15. Which protocol deals with mails?
(a) SMTP (b) FTP
(c) LPD (d) X-window
16. _____ Is mainly responsible for allocating these sources as per process:
(a) RAM (b) Compiler (c) Operating System (d) Software
17. Which of the following is not an operating system?
(a) Windows (b) Linux (c) Oracle (d) DOS
- 18)is a computer program that translate and executes program at run time line by line.
(a) Compiler (b) Assembler (c) Language converter (d) interpreter
19. Whenever you move a directory from one location to another
(a) All files inside the directory are moved
(b) All the sub directory inside that directory are moved
(c) The directory is moved the source file is not moved
(d) Both a and b
20. Which of the following is not an operating system?
(a) Windows (b) Linux
(c) Oracle (d) DOS
21. The Basic Input Output System (BIOS) resides in
(a) RAM (b) ROM
(c) The CPU (d) Cache Memory
22. Which of the following is the extension of Notepad?
(a) .xls (b) .txt (c) .ppt (d) .docx
23. The hexa decimal representation of 14 is _____
(a) A (b) F (c) D (d) E
24. Which of the following is designed to control the operations of a computer?
(a) Application Software (b) Utility Software (c) System Software (d) None of them
25. Which of the following belongs to SSD?
(a) RAM (b) ROM (c) Cache Memory (d) Mass Storage

Logical Reasoning [15 X 1=15]

Directions: In each of the following questions, there is a certain relationship between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives having the same relation with this word as the words of the given pair bear. Choose the correct alternative.

1. Moon : Satellite :: Earth : ?

- (a) Sun (b) Planet (c) Solar system (d) Asteroid

2. Forecast : Future :: Regret : ?

- (a) Present (b) Atonement (c) Past (d) Sins

3. Influenza : Virus :: Typhoid : ?

- (a) Bacillus (b) Parasite (c) Protozoa (d) Bacteria

4. Fear : Threat :: Anger : ?

- (a) Compulsion (b) Panic (c) Provocation (d) Force

5. Melt : Liquid :: Freeze : ?

- (a) Ice (b) Condense (c) Solid (d) Crystal

Directions: In each of the following questions, there is a certain relation between two given numbers on one side of :: and one number is given on another side of :: while another number is to be found from the given alternatives, having the same relation with this number as the numbers of the given pair bear. Choose the best alternative.

6. 6 : 18 :: 4 : ?

- (a) 2 (b) 6 (c) 8 (d) 12

7. 21 : 3 :: 574 : ?

- (a) 23 (b) 82 (c) 97 (d) 113

8. 7528 : 5306 :: 4673 : ?

- (a) 2367 (b) 2451 (c) 2531 (d) 2552

9. 121 : 12 :: 25 : ?

- (a) 1 (b) 2 (c) 6 (d) 7

10. 42 : 20 :: 64 : ?

- (a) 31 (b) 32 (c) 33 (d) 34

Directions: In each of the following questions, four words have been given, out of which three are alike in some manner and the fourth one is different. Choose out the odd one.

11. (a) Kiwi (b) Eagle (c) Emu (d) Penguin

12. (a) Lake (b) Sea (c) River (d) Pool

13. (a) Arrow (b) Axe (c) Knife (d) Dagger

14. (a) Sun (b) Moon (c) Star (d) Universe

15. (a) House (b) Cottage (c) School (d) Palace

General Awareness[15 X 1=15]

- 1. In which year was Pokhara University Established?**
(a)1997 (b)1999 (c)1992 (d)2007
- 2. In which district is the Highest and Longest Suspension Bridge in Nepal located?**
(a)Baglung (b)Gorkha (c)Lamjung (d) Parbat
- 3. Who is considered the first king of Nepal**
(a) Prithivi Narayan Shah (b)Pratap Malla (c)Bhuktaman (d)Ram Shah
- 4. Who is the first person to use the word 'Jai Nepal'?**
(a)Ganga Lal Shrestha (b)Dharmabhakta Mathema (c)Sukra Raj Shastri (d)Dashrath Chand Thakur
- 5. Which is the first college in Nepal?**
(a)Padmakanya College (b)Shankardev Campus (c)Lalitkala Campus (d)Trichandra College
- 6. When was the first Muluki Act introduced in Nepal?**
(a)1910 B.S. (b)1990 B.S. (c)2007 B.S. (d)2047 B.S.
- 7. One of the Nepalese has set world record by climbing 14 highest peaks of the world within 6 months. –what is his name?**
(a)Nirmal Lama (b)Babu Chiri Sherpa (c)Nirmal Purja (d)Apa Sherpa
- 8. Who is the first martyr of Nepal?**
(a)Lakhan Thapa (b)Bhimsen Thapa (c)Amarsingh Thapa (d)Bhakti Thapa
- 9. What is the east-west length of Nepal?**
(a)558km (b)5885 km (c)885 km (d)8848km
- 10. What is the Sanskrit name of Kaligandaki?**
(a)Narayani (b)Hariprabha (c)Krishnaprabha (d)Sukla Gandaki
- 11. Which district is known as Nepal inside Nepal?**
(a)Baglung (b)Khotang (c)Palpa (d)Kaski
- 12. Which district had the lowest population according to the census 2078 BS?**
(a)Mustang (b)Parsa (c)Dolpa (d)Manang
- 13. Where is Dimi Lake located?**
(a)Kapilvastu (b)Ramechhap (c)Gulmi (d)Chitwan
- 14. Which continent is known as continent of Kangaroo ?**
(a)Australia (b)Asia (c)Europe (d)Africa
- 15. What is the length of Great Wall?**
(a)3200 Miles (b)4200 Miles (c)5200 Miles (d)6200 Miles

Answer Key:

1.c	2.b	3.a	4.c	5.a	6.a	7.b	8.b	9.b	10.a	11.a	12.a	13.c	14.d	15.a	16.d	17.c	18.b	19.d	20.c
21.d	22.c	23.a	24.b	25.b	1.c	2.c	3.d	4.d	5.b	6.d	7.c	8.a	9.d	10.d	11.d	12.c	13.b	14.c	15.b
16.b	17.a	18.c	19.b	20.d	1.d	2.b	3.a	4.b	5.a	6.c	7.d	8.a	9.d	10.a	11.c	12.b	13.b	14.a	15.a
16.c	17.c	18.d	19.d	20.c	21.b	22.b	23.d	24.c	25.d	1.b	2.c	3.d	4.c	5.c	6.d	7.b	8.b	9.b	10.d
11.b	12.c	13.a	14.d	15.c	1.c	2.a	3.a	4.b	5.d	6.c	7.c	8.d	9.c	10.c	11.a	12.d	13.b	14.a	15.d