

Part – I (MCQ Section)	Marks: 80
Section A: English Proficiency	Marks: 1×20 = 20

(Q. 1-5): Choose the word which is opposite to the given word.

1×5 = 5

1. Pit
(a) Group (b) Peak (c) Select (d) Marry
2. Abate
(a) Free (b) Augment (c) Provoke (d) Wane
3. Dearth
(a) Lack (b) Poverty (c) Abundance (d) Foreign
4. Crass
(a) Florid (b) Refined (c) Intrepid (d) Fair
5. Convoke
(a) Eradicate (b) Omit (c) Forgive (d) Adjourn

(Q. 6-10): Substitute each of the following sentences into one word.

1×5 = 5

6. Commencement of words with the same letter.
(a) Alliteration (b) Pun (c) Oxymoron (d) Gag
7. Habitually silent or talking little.
(a) Unequivocal (b) Synoptic (c) Servile (d) Taciturn
8. A hater of knowledge and learning.
(a) Bibliophile (b) Philologist (c) Misogynist (d) Misologist
9. A person who pretends to have more knowledge or skill than he really has.
(a) Renegade (b) Charlatan (c) Renegade (d) Crook
10. Person who files a suit.
(a) Plaintiff (b) Accuse (c) Charger (d) Suitor

(Q. 11-15): Choose the appropriate preposition to fill in the blank for the following sentences.

1×5 = 5

11. The family does not feel _____ going outing this season.
(a) in (b) on (c) like (d) of
12. Credit Tk. 5000 _____ my account.
(a) in (b) with (c) against (d) to
13. The room is filled _____ smoke.
(a) By (b) on (c) to (d) with
14. He walked _____ the bank of the river.
(a) along (b) over (c) below (d) on
15. Zakia parted _____ her parents in tears.
(a) By (b) of (c) from (d) with

(Q. 16-20): Read the given passage and answer the questions placed below the passage. 1×5 = 5

Sportsmanship can be conceptualized as an enduring and relatively stable characteristic or disposition such that individuals differ in the way they are generally expected to behave in sports situations. In general, sportsmanship refers to virtues such as fairness, self-control, courage, and persistence, and has been associated with interpersonal concepts of treating others and being treated fairly, maintaining self-control if dealing with others, and respect for both authority and opponents. Sportsmanship is also looked at as being the way one reacts to a sport/game/player.

The four elements of sportsmanship are often shown being good form, the will to win, equity and fairness. All four elements are critical and a balance must be found among all four for true sportsmanship to be illustrated. These elements may also cause conflict, as a person may desire to win more than play in equity and fairness and thus resulting in a clash within the aspects of sportsmanship. This will cause problems as the person believes they are being a good sportsman, but they are defeating the purpose of this idea as they are ignoring two key components of being sportsman like. When athletes become too self-centered, the idea of sportsmanship is dismissed.

Today's sporting culture, in particular the base of elite sport, places great importance on the idea of competition and winning and thus sportsmanship takes a back seat as a result. In most, if not all sports, sportsmen at the elite level make the standards on sportsmanship and no matter whether they like it or not, they are seen as leaders and role models in society.

Since every sport is rule driven, the most common offence of bad sportsmanship is the act of cheating or breaking the rules to gain an unfair advantage. A competitor who exhibits poor sportsmanship after losing a game or contest is often called a "sore loser", while a competitor who exhibits poor sportsmanship after winning is typically called a "bad winner". Sore loser behavior includes blaming others for the loss, not accepting responsibility for personal actions that contributed to the defeat, reacting to the loss in an immature or improper fashion, making excuses for the defeat, and citing unfavorable conditions or other petty issues as reasons for the defeat. A bad winner acts in a shallow fashion after his or her victory, such as by gloating about his or her win, rubbing the win in the face(s) of the opponent(s), and lowering the opponent(s)'s self-esteem by constantly reminding the opponent(s) of "poor" performance in comparison (even if the opponent(s) competed well). Not showing respect to the other team is considered to being a bad sportsman and could lead to demoralizing effects; as Leslie Howe describes: "If a pitcher in baseball decides to pitch not to his maximum ability suggest that the batter is not at an adequate level, [it] could lead to the batter to have low self-confidence or worth.

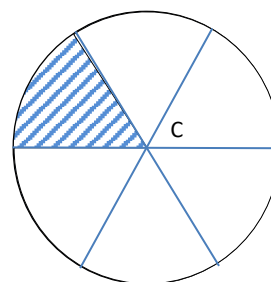
16. Is it necessary to strike a balance between all the four elements of sportsmanship?
(a) No (b) Yes (c) Any 2 can be balanced (d) Only 1 is sufficient
17. Why has sportsmanship taken a backseat today?
(a) Due to lack of balance between the elements (b) Due to the emphasis on winning
(c) Due to drug abuse (d) None of the above
18. If one does not accept responsibility for one's defeat, one is called a -
(a) Sore loser (b) Bad winner (c) Good sportsman (d) Prudent sportsman
19. From the last paragraph, give the opposite of the word 'deep' -
(a) Competitor (b) Pitch (c) Immature (d) Shallow
20. When does the spirit of sportsmanship die?
(a) When the sportsman becomes too self-centered
(b) When the player loses the will to play
(c) When the sportsman behaves badly
(d) None of the above

Section B: Mathematics	Marks: 1.5×20 = 30
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(Q. 21-40): Choose the correct answer.

21. $(10)^2$ is how many times of $(0.01)^3$?
 (a) 10^5 (b) 10^6 (c) 10^7 (d) 10^8
22. If $2x + \frac{2}{x} = 3$, what is the value of $x^2 + \frac{1}{x^2}$?
 (a) 0.25 (b) 0.5 (c) 1 (d) 4
23. On a 2 km road, a total of 201 trees are planted on the side of the road at equal distances. How many such trees will be planted on a 50 km road such that the distance between two consecutive trees is the same as that of the consecutive trees on the 2 km road?
 (a) 501 (b) 5001 (c) 5000 (d) 1000
24. In a certain population group, 57% of the people have characteristics X and 63% have characteristics Y. If every person in the group has at least one of the two characteristics, then what percent of the people have both X and Y?
 (a) 20% (b) 18% (c) 12% (d) 6%
25. A person's present age is two-fifth of the age of his mother. After 8 years, he will be one-half of the age of his mother. What is the present age of the mother?
 (a) 30 (b) 35 (c) 40 (d) 50
26. An employee may claim Tk. 7 for each kilometer when he travels by taxi and Tk. 6 for each kilometer when he drives his own car. If in one week he claimed Tk. 900 for travelling 135 km, how many kilometers did he travel by taxi?
 (a) 90 km (b) 100 km (c) 110 km (d) 120 km
27. The average temperature for the first 4-days of a week is 40.2°C and that of the last 4-days is 41.3°C . If the average temperature for the whole week is 40.6°C , then the temperature on the fourth day is -
 (a) 38.5°C (b) 40.8°C (c) 41.3°C (d) 41.8°C
28. The present ratio of students to teachers at a certain school is 30 to 1. If the number of students were to increase by 50 and that of teachers were to increase by 5, the ratio of students to teachers would then be 25 to 1. What is the present number of teachers?
 (a) 8 (b) 10 (c) 12 (d) 15
29. A man sells 2 commodities for Tk. 4000 each, neither losing nor gaining in the deal. If he sold one commodity at a gain of 25%, then what is the cost price of another commodity?
 (a) Tk.3200 (b) Tk.4800 (c) Tk.4000 (d) Tk.3600
30. Simple interest on a certain sum at the rate of 4.5% p.a. for 4 years and 6 years differs by BDT 216. The sum is -
 (a) BDT 2100 (b) BDT 2400 (c) BDT 1800 (d) None of these
31. If the product of three consecutive integers is 210, then the sum of integers is _____.
 (a) 14 (b) 15 (c) 18 (d) 21

32. A monkey climbs a 12-meters-high slippery pillar. In his first minute, he climbs 2 meters, and in the next minute, he slips one meter down. In this way, how much time will he take to reach the top of the pillar?
 (a) 10 minutes (b) 12 minutes (c) 11 minutes (d) 21 minutes
33. If two jeans and three shirts cost Tk. 4000 and three jeans and two shirts costs Tk. 3500, then how much does a jean cost?
 (a) Tk. 500 (b) Tk. 1,000 (c) Tk. 1,500 (d) Tk. 2,000
34. A boat sailing against a stream of river takes 6 hours to travel 24 kms, while sailing with the stream it takes 4 hours to travel the same distance. What is the speed of the stream?
 (a) $\frac{1}{2}$ km/hr (b) 1 km/hr (c) 2 km/hr (d) 1.5 km/hr
35. A number consist of two digits. The sum of the digits is 10. If 72 is subtracted from the number, it's digits are interchanged. Find the number.
 (a) 37 (b) 55 (c) 73 (d) 91
36. Mr. Khan's salary is Tk. 5000.00 and he gets 10% commission of his salary. If his salary increased by 10%, by what percent his commission will increase?
 (a) 5% (b) 10% (c) 20% (d) 25%
37. If $B = 0$, $A > 1$ and $C > 1$, then which one is correct?
 (a) $B(A+C) < A(B+C)$ (b) $A(B+C) < B(A+C)$ (c) $A(B+C) = B(A+C)$ (d) $C(B+C) = B(B+C)$
38. The angles of a triangle are in the proportion of 1 : 2 : 3 and the length of the smallest side is 1 cm. what is the length of the longest side of the triangle?
 (a) 2 cm (b) 3 cm (c) 4 cm (d) 5 cm
39. The length of the side of an equilateral triangle is 6 cm. What is its area in sq.cm?
 (a) $3\sqrt{3}$ (b) $4\sqrt{3}$ (c) $6\sqrt{3}$ (d) $9\sqrt{3}$
40. A circle has center C. Area is 144π . The circle is divided into 6 equal parts. The perimeter of the shaded part is -
 (a) $24(1 + \pi)$
 (b) $12(2 + \pi)$
 (c) $4(\pi + 6)$
 (d) $12(1 + 2\pi)$



Section C: Analytical Ability	Marks: 20
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(Q. 41-43): Answer the questions on the basis of the information given below: **2×3 = 06**

Two male singers, Plabon and Sami; two female singers, Rita and Mita; two male comedians, Topu and Wahed; and two female comedians, Kanta and Liza, are eight entertainers who are to perform at the National Theater on a certain night. Each entertainer is to perform alone and only once that night. The entertainers may perform in any order that conforms to the following restrictions:

- The performances by singers and the performances by comedians must alternate throughout the evening
- First performance in the evening must be by a female entertainer, and second performance by a male entertainer
- The final performance must be by a male singer

41. Which of the following persons could be the first of the entertainers to perform?

- (a) Plabon (b) Rita (c) Liza (d) Mita

42. If Rita is to perform fourth, which of the following persons must perform sixth?

- (a) Wahed (b) Sami (c) Liza (d) Mita

43. If Liza is to perform seventh, which of the following persons must perform first?

- (a) Kanta (b) Rita (c) Sami (d) Topu

(Q. 44-46): Answer the questions on the basis of the information given below: **2×3 = 06**

Each of six children- J, K, L, S, T, and V – is accompanied by one of three adults – M, O, and P. Each adult accompanies exactly two of the children, consistent with the following conditions.

- If M accompanies J, then P accompanies L.
- If K is not accompanied by M, then V is accompanied by O.
- Either M or O accompanies T.
- J is not accompanied by the same adult as K; nor is L accompanied by the same adult as S; nor is T accompanied by the same adult as V.

44. If M accompanies L and T, then which one of the following must be true?

- (a) J is accompanied by the same adult as V.
 (b) K is accompanied by the same adult as S.
 (c) J is accompanied by O.
 (d) S is accompanied by P.

45. If P accompanies J and V, then M could accompany which one of the following pairs of children?

- (a) K and S
 (b) K and T
 (c) L and S
 (d) L and T

46. P CANNOT accompany which one of the following pairs of children?

- (a) J and L
 (b) J and S
 (c) K and S
 (d) S and T

(Q. 47-50): Read the information and answer the questions.

2×4 = 08

47. Consumer has the right to know the market information and company claims that it does customer service by giving information to the customer. Which of the following statement, if true, would most strongly refute the above claim?

(a) Consumer does not have access to any source of information other than advertising
 (b) Consumer heavily relies on advertising as a credible source of information
 (c) Companies are legally required to advertise for their product
 (d) Both (a) & (c)

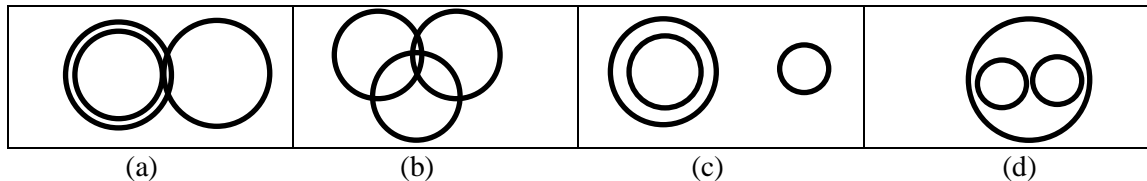
48. Stock analyst: “We believe company A’s stock will appreciate at 35% a year for the next 5 to 7 years. Company A just became the leader in its industry and we expect its sales to grow at 8% a year.”

Commentator: “But how can the stock’s price be expected to grow more quickly than the company’s underlying sales?”

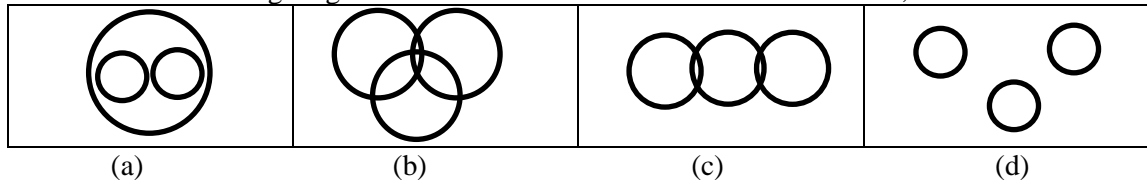
Which of the following facts would best support the stock analyst?

(a) The company’s expenses will be declining over the next 5 to 10 years.
 (b) The company just won a patent on a new product.
 (c) Company A’s stock is currently overvalued by a significant amount.
 (d) The 5 to 7-year time frame is too long for anyone to accurately forecast.

49. Which figures well best represent the relationship amongst the three classes doctor, teacher, women?



50. Which of the following diagrams indicates the best relation between teacher, men and women?



Section D: General Knowledge and Current Affairs	Marks: 1×10 = 10
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(Q. 51-60): Answer the following questions.

51. Which of the following is the first published Novel of Kazi Nazrul Islam?
 (a) Mukti (b) Agnibeenaa (c) Badhon Hara (d) Jinge Ful
52. Which of the following is not the official language of the United Nations Organization?
 (a) Arabic (b) Chinese (c) Portuguese (d) Spanish
53. The Sustainable Development Goals (SDGs) consist of ____ goals.
 (a) 27 (b) 21 (c) 17 (d) 30
54. The 7th March speech of Bangabandhu, the Father of the Nation, was recognized as part of the world's documentary heritage by -
 (a) UNESCO (b) UNICEF (c) UNDP (d) UNFCCC
55. 1 kilogram is equal to –
 (a) 2.21 lbs (b) 2.32 lbs (c) 2.00 lbs (d) 1.89 lbs
56. What is the name of the Capital of Sudan?
 (a) Khartoum (b) Port Sudan (c) Bahri (d) Kassala
57. The headquarters of International Monetary Fund (IMF) is located at -
 (a) Paris (b) Geneva (c) London (d) Washington D.C
58. What is range of Richter scale -
 (a) 1-7 (b) 1-10 (c) 1-9 (d) 0-10
59. Who is the current president of the World bank Group?
 (a) Robert Zoellick (b) Christine Lagarde (c) David Malpass (d) Jim Yong Kim
60. Which is the largest export processing Zone (EPZ) in Bangladesh?
 (a) Chottogram EPZ (b) Uttara EPZ (c) Dhaka EPZ (d) Cumilla EPZ

Part – II (Written Section)	Marks: 50
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1. Translate the following into English

10

ইউনিভার্সিটি অব ক্যালিফোর্নিয়ার বিজ্ঞানীরা দেখতে পেয়েছেন, কাজের জায়গাতে কোনোভাবেই কর্মীরা একটানা ৭৫ সেকেন্ডের বেশি কম্পিউটারের একই স্ক্রিনে মনঃসংযোগ করতে পারছে না। মুঠোফোন আর সামাজিক যোগাযোগের বিভিন্ন মাধ্যমের অতি ব্যবহার এর প্রধান কারণ বলে মনে করা হচ্ছে। আগামীর জ্ঞানভিত্তিক অর্থনীতিতে জায়গা করে নিতে হলে মনোযোগ ধরে রাখাটা অত্যন্ত জরুরি। মনঃসংযোগ বাড়ানোর বিভিন্ন উপায় নিয়ে অনেক গবেষণা হচ্ছে এবং বলা হচ্ছে, কাজের সময় মনঃসংযোগ নষ্ট করে এমন জিনিস, যেমন মুঠোফোন দূরে সরিয়ে রাখা উচিত। সামাজিক যোগাযোগমাধ্যম থেকে যত দ্রুত আমাদের মনোযোগ সমাজের দিকে ফিরে আসে ততই মঙ্গল।

2. Translate the following into Bengali

10

The existing libraries in Dhaka fail to ensure the availability of diverse reading materials essential to engage readers of all ages and backgrounds. It is noticed that libraries are now catering to only specific groups of people, mostly individuals preparing for the BCS or other public exams. The absence of a rich collection of reading materials and research content renders a library meaningless, which is why most libraries in Dhaka are in a sorry state. Thus, there needs to be a push for a strong public library culture in Dhaka where latest books catering to people of all socio-economic classes along with very strong online facilities are available. Online bookstores are witnessing a surge in book sales indicating that people want to read but want to do it on their terms.

3. Analytical Writing

15

‘Creating a generation of students is necessary who are ready to serve the nation more than to serve themselves’

4. Write an Essay on “Energy Prices and Inflation”

15