

SAMPLE QUESTION PAPER FOR NON-MEDICAL APPLICANTS

ENTRY TEST SPRING 2024 ADMISSION [BSCS]/[BSSE]/[BSAT]

Instructions: Each Question has 4 possible answers (A, B, C, D). You have to fill the circle on FACE SHEET relevant to correct answer. DO NOT WRITE ANY ANSWER ON THIS QUESTION PAPER.

Q1. If A can do a job in 10 days another person B can do the same job in 20 days, then time required to do the job when both of them working together.

A 1/30	B 3/20	C 1/10	D 20/3
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Q2. If $1/x + 1/y = 1/z$ and $xy = z$ what is the average of x and y?

A 1/2	B 1	C z/2	D (x+y)/2z
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Q3. The polynomial $x^2 + x - 20$ is exactly divisible by:

A x-5	B x+4	C x-4	D x-10
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Q4. Jawad weekly salary is \$70 less than Kamran which is \$50 more than Maria. If Maria earns \$280 per week how much does Jawad earn per week?

A \$160	B \$260	C \$280	D \$300
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Q5. In a class there are 27 students. If there are 7 more girls than boys in the class how many students are girls?

A 17	B 17	C 20	D 23
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Q6. If x is an even integer and $4x < 64$ and $3x > 24$ then x can be equal to:

A 15	B 16	C 17	D 8
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Q7. The average temperature of a week is 33° C. Average of first three days is 30° C while of the last three is 35° C. What is the temperature of the fourth day?

A 33	B 35	C 36	D 40
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Q8. If $\tan \theta = -\frac{1}{2}$ and the terminal side of the angle is in the II-Quadrant, then $\cos \theta =$

A $-\frac{2}{\sqrt{5}}$	B $\frac{2}{\sqrt{5}}$	C $\frac{1}{2}$	D 1
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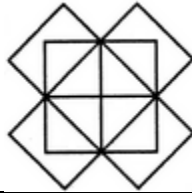
Q9. If $x = \frac{p+q}{p-q}$ then $x-1 = ?$

A $\frac{q}{p-q}$	B $\frac{2q}{p+q}$	C $\frac{2p}{p-q}$	D $\frac{2q}{p-q}$
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Q10. If 25 men can consume 250 KG of Wheat in 20 days, then 20 men can consume how much Wheat in 25 days?

A 250.9	B 255.75	C 250.6	D 245.55
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Q21. Count the number of rectangles in the given figure.



A	21	B	20	C	18	D	15
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Q22. Of the 80 students in class, 25 are studying German, 15 French and 13 Spanish. 3 are studying German and French; 4 are studying French and Spanish; 2 are studying German and Spanish; and none is studying all 3 languages at the same time. How many students are not studying any of the three languages?

A	18	B	27	C	36	D	53
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Q23. A shop owner decreased the selling price of a pair of shoes from \$25 to \$22. By what percentage was the price decreased?

A	12%	B	13.5%	C	15%	D	10%
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Q24. A certain animal in the zoo has consumed 39 pounds of food in six days. If it continues to eat at the same rate, in how many more days will its total consumption be 91 pounds?

A	15	B	12	C	9	D	8
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Q25. If the sum of three consecutive integers is less than 75, what is the greatest possible value of the smallest one?

A	23	B	24	C	25	D	26
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Q26. A square matrix A is said to be skew Hermitian if $(\bar{A})^t =$

A	A	B	\bar{A}	C	A	D	-A
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Carefully read the information given in the following paragraph and then answer the questions (Q27 – Q30) based on given information:

There is a family of six person P, Q, R, S, T and U. Their professions are Engineer, Doctor, Teacher, Salesman, Manager and Lawyer.

- (i) There are two married couples in the family.
- (ii) The Manager is the grandfather of U, who is an Engineer
- (iii) R, the Salesman, is married to the lady Teacher
- (iv) Q is the mother of U and T.
- (v) The Doctor, S is married to the Manager.

Q27. How many male members are there in the family?

A	Two	B	Three	C	Four	D	None of these
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Q28. What is the profession of P?

A	Lawyer	B	Lawyer or Teacher	C	Manager	D	None of these
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Q29. Who are the two married couples in the family?

A	PQ and SR	B	RU and ST	C	PT and SR	D	PS and RQ
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Q30. What is the relationship of P with T?

A	Father	B	Grandfather	C	Mother	D	Wife
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Q41. Choose the word most similar in meaning to the following word?

RESTIVE

A	Restful	B	Restless	C	Crucial	D	Pause
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Q42. Choose the word opposite in meaning to the following word?

EFFICACY

A	Strange	B	Inefficiency	C	Effectiveness	D	Well-known
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Q43. Recognize the relation between the given pair of words. And, select the pair of words from the given options that best expresses a similar relationship?

CARPENTER: SAW

A	athlete : runner	B	assembly : member	C	mason : wall	D	reaper : sickle
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Complete each of the sentences. (44 – 45)

Q44. If you go into the park alone at night, watch _____ pickpockets.

A	up for	B	up to	C	out to	D	out for
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Q45. I've had so many other things to do lately that I've fallen _____ my studies. Never mind, I'll soon catch up.

A	behind with	B	away with	C	down with	D	behind to
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Read the following passage and answer the following questions from 46 to 50.

At this stage of civilization, when many nations are brought in to close and vital contact for good and evil, it is essential, as never before, that their gross ignorance of one another should be diminished, that they should begin to understand a little of one another's historical experience and resulting mentality.

It is the fault of the English to expect the people of other countries to react as they do, to political and international situations. Our genuine goodwill

and good intentions are often brought to nothing, because we expect other people to be like us. This would be corrected if we knew the history, not necessarily in detail but in broad outlines, of the social and political conditions which have given to each nation its present character.

Q46. According to the author of 'Mentality' of a nation is mainly product of its

A	history	B	international position	C	policies	D	present character
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Q47. The need for a greater understanding between nations

A	was always there	B	is more today than ever before
C	is no longer there	D	will always be there

Q48. The character of a nation is the result of its

A	mentality	B	cultural heritage	C	gross ignorance	D	socio-political conditions
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Q49. According to the author his countrymen should

A	read the story of other nations	B	not react to other actions
C	have a better understanding of other nations	D	have vital contacts with other nations

Q50. Englishmen like others to react to political situations like

A	us	B	themselves	C	others	D	each other
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