



MATHEMATICS SSC-I (Science Group) SECTION – A (Marks 15)

Time allowed: 20 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed.

Do not use lead pencil.

محکمہ تعلیم کے نام پر اس پرکھ کے جوابات اس صفحہ پر تحریر کرنا ہوں گے اور اسے مرکز کے سربراہ کو ہاتھ کر دے گا۔
اس پرکھ پر لکھنے کے لیے سیاہی کا استعمال نہ کریں گے۔

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Answer Sheet No. _____

Invigilator Sign. _____

Fill the relevant bubble against each question according to curriculum:

Candidate Sign. _____

Question	سوال	A	B	C	D	A	B	C	D
1. If A and B are two matrices each of order 2×5 then order of matrix $A - B$ is:	اگر A اور B دو ماتریکس ہوں گی ہر ایک کا آرڈر 2×5 ہے تو $A - B$ کی ترتیب کیا ہے؟	<input checked="" type="radio"/> 2×5	<input type="radio"/> 10×10	<input type="radio"/> 4×10	<input type="radio"/> 7×7	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. If $a = 8$ and $16 \times 2^m = 4^{a-m}$ then value of m is:	اگر $a = 8$ ہے اور $16 \times 2^m = 4^{a-m}$ ہے تو m کی قیمت کیا ہے؟	<input checked="" type="radio"/> -4	<input type="radio"/> -2	<input type="radio"/> 0	<input type="radio"/> 8	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. The logarithm of unity to any base is equal to:	کیسی بھی بنیاد پر 1 کی لگاریتم کیا ہے؟	<input type="radio"/> 1	<input type="radio"/> 10	<input type="radio"/> e	<input checked="" type="radio"/> 0	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
4. If $\sqrt[3]{81} = 3^{2x}$, then value of x is:	اگر $\sqrt[3]{81} = 3^{2x}$ ہے تو x کی قیمت کیا ہے؟	<input type="radio"/> 2	<input type="radio"/> 6	<input type="radio"/> $\frac{1}{2}$	<input checked="" type="radio"/> $\frac{1}{4}$	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
5. Find the value of m , so that $x^2 + 4x + m$ becomes perfect square.	$x^2 + 4x + m$ کو مکمل مربع بنانے کے لیے m کی قیمت کیا ہے؟	<input type="radio"/> 8	<input type="radio"/> -8	<input checked="" type="radio"/> 4	<input type="radio"/> 16	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
6. L.C.M of $(a-b)^4$ and $(a-b)^2$ is equal to:	$(a-b)^4$ اور $(a-b)^2$ کا سب سے چھوٹا مشترک ضرب کیا ہے؟	<input type="radio"/> $(a-b)$	<input type="radio"/> $(a-b)^2$	<input checked="" type="radio"/> $(a-b)^4$	<input type="radio"/> $(a-b)^7$	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
7. The lines $x-1=5$ and $y+1=-4$ intersect each other at:	دو لکیں $x-1=5$ اور $y+1=-4$ ایک دوسرے کو کہاں پر قطع کرتی ہیں؟	<input type="radio"/> (5, -4)	<input checked="" type="radio"/> (6, -5)	<input type="radio"/> (-1, 1)	<input type="radio"/> (-5, 4)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. If capacity c of an elevator is at most 1600 pounds, then:	اگر ایک لیفٹ کی طاقت c زیادہ سے زیادہ 1600 پونڈ ہے تو:	<input type="radio"/> $c < 1600$	<input type="radio"/> $c \geq 1600$	<input checked="" type="radio"/> $c \leq 1600$	<input type="radio"/> $c > 1600$	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
9. The "term" used for a triangle having all sides different is:	ایک مثلث کی طرف سے جس کی تمام اطراف مختلف ہوں اسے کیا کہتے ہیں؟	<input type="radio"/> Isosceles متساوی الساقی	<input checked="" type="radio"/> Scalene متساوی الساقی	<input type="radio"/> Equilateral متساوی الساقی	<input type="radio"/> Right angled مستطیل	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Wolfgang Guggemos

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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