



# 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۔  
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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 $2 \times 5$ then order of matrix $A - B$ is:	اگر A اور B دو ماتریکس ہوں گی جن کا ہر ایک $2 \times 5$ ہے تو $A - B$ کی ترتیب کیا ہے؟	<input checked="" type="radio"/> $2 \times 5$	<input type="radio"/> $10 \times 10$	<input type="radio"/> $4 \times 10$	<input type="radio"/> $7 \times 7$	<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 کم 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 ایسی مثلث کی اصطلاح کیا ہے جس کے تمام اطراف مختلف ہوں؟	<input type="radio"/> Isosceles	<input checked="" type="radio"/> Scalene	<input type="radio"/> Equilateral	<input type="radio"/> Right angled	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Maths Pixel Past Paper

**Janet S. Abbott**



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simply not to be found anywhere else Also included are things which I have learned from different disparate places that for the student s convenience have all been gathered into one place and which I attempted to explain in simpler terms than what is currently available Afterall it is hard enough to learn these concepts let alone have to shift through all of the data to find what really pertains to one s study Some of the material presented are things which I myself found to be the most confusing In this regard I hope that the manual can be a great resource for students trying to learn more about math and science as well as the workings of nature Even though it is unlikely a reader will be able to understand all of the material presented on their own and without the presence of a teacher having another resource in which the material and concepts are presented in a unique and simpler way is highly useful Generally when people learn about math and science they are usually not satisfied by the answer that their teacher or textbook has to give on why nature settled on a certain constant or equation It s mind boggling to me how many people fail to acknowledge the relatedness of many physical constants as well as the logic behind some of the greatest discoveries and in effect are missing out on a lot of the beauty behind science and the workings of nature

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