

2023

MATHEMATICS

Time—3 Hours 15 Minutes

(First 15 minutes for reading the question paper)

Full Marks — { 90 — For Regular Candidates
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[1, 2, 3, 4 প্রশ্নগুলির উত্তর প্রশ্নসংখ্যা লিখে অবশ্যই ক্রমানুযায়ী উত্তরপত্রের প্রথম দিকে লিখতে হবে। এর জন্য প্রয়োজনবোধে গণনা ও চিত্র অঙ্কন উত্তরপত্রের ডানদিকে মার্জিন টেনে করতে হবে। কোনো প্রকার সারণি বা গণকযন্ত্র ব্যবহার করা যাবে না। গণনার প্রয়োজনে π -এর আসন্ন মান $\frac{22}{7}$ ধরে নিতে হবে। দরকার মতো গ্রাফ পেপার দেওয়া হবে। পাটীগণিতের অঙ্ক বীজগাণিতিক পদ্ধতিতে করা যেতে পারে।]

[দৃষ্টিহীন পরীক্ষার্থীদের জন্য 11 নং প্রশ্নের বিকল্প দেওয়া আছে 8 নং পৃষ্ঠায়]

[16 নং অতিরিক্ত প্রশ্ন কেবলমাত্র বহিরাগত পরীক্ষার্থীদের জন্য 8 নং পৃষ্ঠায় দেওয়া আছে]

1. নিম্নলিখিত প্রশ্নগুলির সঠিক উত্তরটি নির্বাচন করো :

1×6=6

(i) A, B, C তিন বন্ধু যথাক্রমে x , $2x$, y টাকা মূলধন নিয়ে ব্যবসা শুরু করল, মেয়াদান্তে z টাকা লাভ হলে, A-এর লাভাংশ হবে

(a) $\frac{xz}{3x+y}$ টাকা

(b) $\frac{2xz}{3x+y}$ টাকা

(c) $\frac{z}{2x+y}$ টাকা

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