

FOR OFFICIAL USE



National
Qualifications
2026

Mark

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X823/77/01

Engineering Science Answer booklet

FRIDAY, 24 APRIL

1:00 PM – 3:30 PM



* X 8 2 3 7 7 0 1 *

Fill in these boxes and read what is printed below.

Full name of centre

--

Town

--

Forename(s)

--

Surname

--

Number of seat

--

Date of birth

Day

--	--

Month

--	--

Year

--	--

Scottish candidate number

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Write your answers clearly in this answer booklet. You must clearly identify in the margin the question number you are attempting.

Worksheets for questions 2 (a) and 6 (a) are included. Write your answers to these questions clearly in the spaces provided.

Use **blue** or **black** ink. Sketches, diagrams and graphs may be drawn in pencil.

You must leave this booklet on your desk; if you do not, you could lose all the marks for this paper.

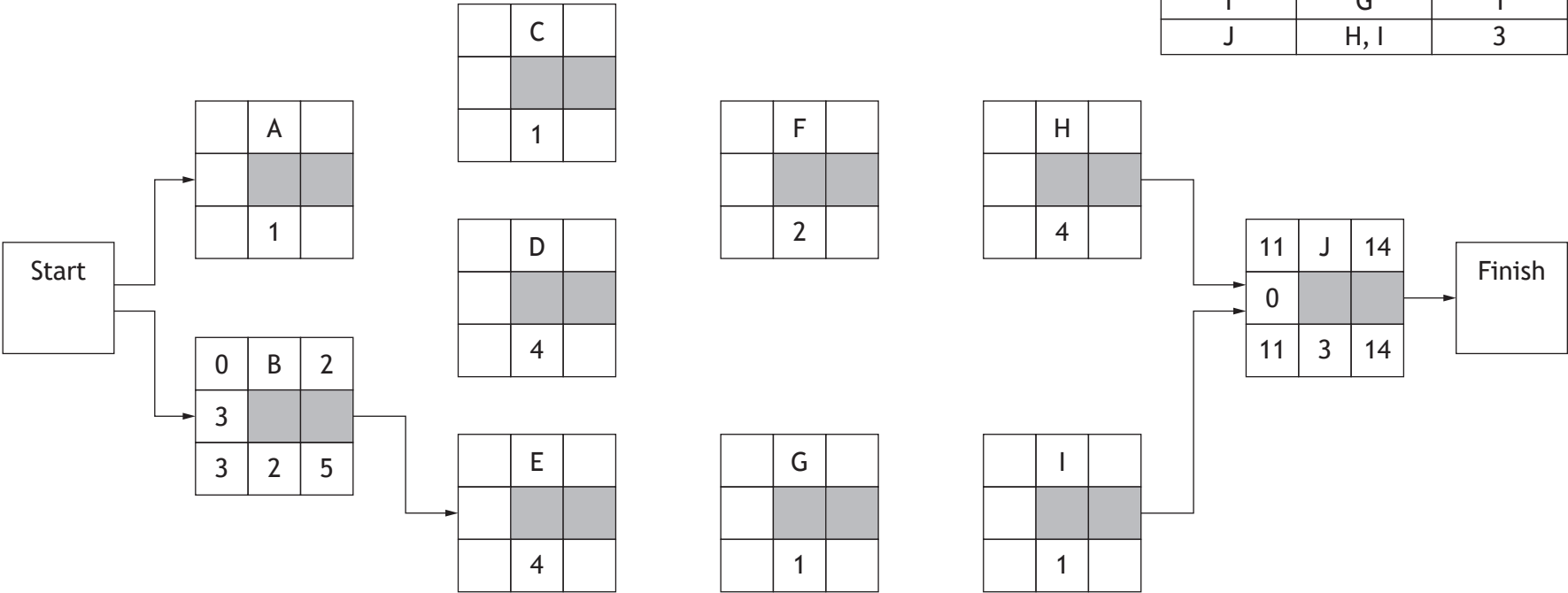


* X 8 2 3 7 7 0 1 0 1 *

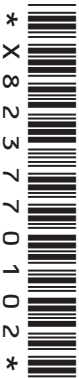
- STG — stage
- DUR — duration
- EST — earliest start time
- EFT — earliest finish time
- LST — latest start time
- LFT — latest finish time
- FLT — float

EST	STG	EFT
FLT		
LST	DUR	LFT

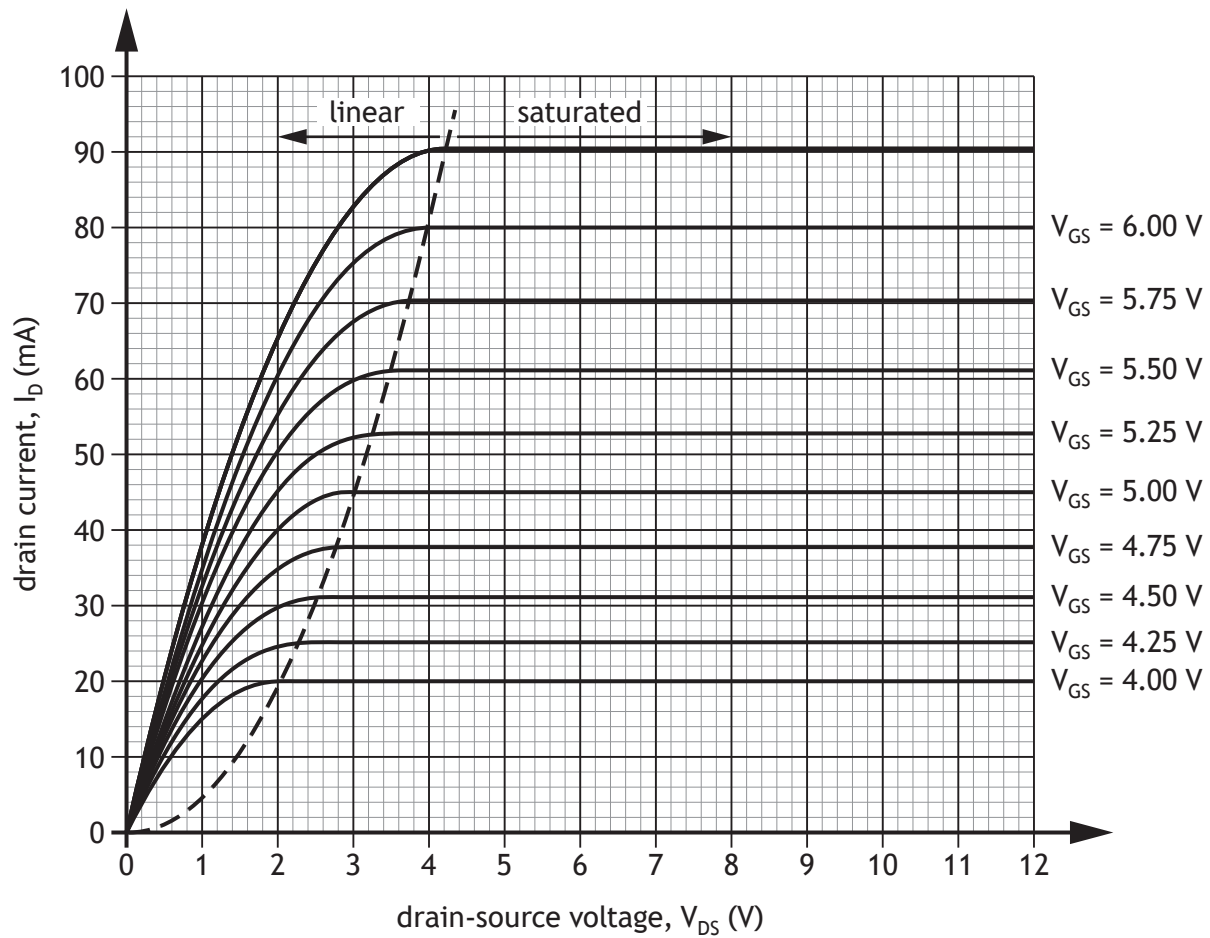
Stage	Precedent	Duration (weeks)
A	—	1
B	—	2
C	A	1
D	A	4
E	B	4
F	C, D	2
G	E	1
H	F	4
I	G	1
J	H, I	3



Critical path: _____



Worksheet for question 6 (a)



Drain-source voltage, V_{DS} _____ Drain current, I_D _____

[END OF WORKSHEETS]



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