

**Question Number : 240 Question Id : 640653470177 Question Type : SA Calculator : None**

**Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1**

Question Label : Short Answer Question

What is your probability of applying for a student visa through centre B and it is granted?

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Range**

**Text Areas : PlainText**

**Possible Answers :**

0.27 to 0.29

**Question Number : 241 Question Id : 640653470178 Question Type : MCQ Is Question**

**Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 1**

Question Label : Multiple Choice Question

Say you find someone who had applied for a student visa in the past, and the application was rejected. However, that person (someone) has not told you which application centre was chosen to submit the application. Then which application centre will you choose, given this additional information?

**Options :**

6406531562449. ✖ Centre A

6406531562450. ✔ Centre B

## System Commands

**Section Id :**

64065330341

<b>Section Number :</b>	15
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	16
<b>Number of Questions to be attempted :</b>	16
<b>Section Marks :</b>	100
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	No
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	64065367728
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 242 Question Id : 640653470179 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 0**

Question Label : Multiple Choice Question

**THIS IS QUESTION PAPER FOR THE SUBJECT "DIPLOMA LEVEL : SYSTEM COMMANDS"**

**ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?**

**CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.**

**(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)**

**Options :**

6406531562451.  YES

6406531562452.  NO

Sub-Section Number :

2

Sub-Section Id :

64065367729

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 243

Question Id : 640653470180

Question Type : MCQ

Is Question Mandatory : No

Calculator : None

Response Time : N.A

Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 6

Question Label : Multiple Choice Question

```
ALPHA="A"  
GAMMA="G"  
echo "$ALPHA$BETA$GAMMA"
```

Select the output from the above script.

Options :

6406531562453. ✖

ALPHABETAGAMMA

6406531562454. ✖

ABG

6406531562455. ✖

ABETAG

6406531562456. ✔

AG

Question Number : 244

Question Id : 640653470182

Question Type : MCQ

Is Question Mandatory : No

Calculator : None

Response Time : N.A

Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 6

Question Label : Multiple Choice Question

Select the missing command.

```
$ touch a
$ echo 5 > a
$ ** MISSING COMMAND **
$ cat a b
5
apples
```

Options :

- 6406531562458. ✖ touch b
- 6406531562459. ✖ echo b
- 6406531562460. ✔ echo apples > b
- 6406531562461. ✖ echo apples

Question Number : 245 Question Id : 640653470189 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 6

Question Label : Multiple Choice Question

Choose the line that modified the contents inside the file backup.sh

```
cat backup.sh | cut -d " " -f 1
echo -n >> backup.sh
echo hello world > backup.sh
cp backup.sh backup.2023.sh
```

Options :

- 6406531562483. ✖ cat backup.sh | cut -d " " -f 1
- 6406531562484. ✖ echo -n >> backup.sh
- 6406531562485. ✔ echo hello world > backup.sh
- 6406531562486. ✖ cp backup.sh backup.2023.sh

**Question Number : 246 Question Id : 640653470190 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 6**

Question Label : Multiple Choice Question

A college student uses a pen drive to store files. The pen drive is always mounted on his system at `/mount` as a separate file system. His pen drive contains lots of files and directories. He wants to create a link to the directory `/mount/bio/phase-2/project-312` inside his home directory. What link can the student use?

**Options :**

6406531562487. ✓ soft link

6406531562488. ✗ hard link

6406531562489. ✗ either soft link or hard link

6406531562490. ✗ links will not work for this requirement

**Sub-Section Number :** 3

**Sub-Section Id :** 64065367730

**Question Shuffling Allowed :** Yes

**Is Section Default? :** null

**Question Number : 247 Question Id : 640653470181 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 6**

Question Label : Short Answer Question

```
a=12
b=56
c=$(a + b)
d=$(a + c)
```

What will be the value of `d` at the end of execution?

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Equal

**Text Areas :** PlainText

**Possible Answers :**

80

**Question Number :** 248 **Question Id :** 640653470187 **Question Type :** SA **Calculator :** None

**Response Time :** N.A **Think Time :** N.A **Minimum Instruction Time :** 0

**Correct Marks :** 6

**Question Label :** Short Answer Question

How many files will be created at the end of execution by the below script?

```
touch a b c d
touch a e d
echo $RANDOM >> b
```

**Response Type :** Numeric

**Evaluation Required For SA :** Yes

**Show Word Count :** Yes

**Answers Type :** Equal

**Text Areas :** PlainText

**Possible Answers :**

5

**Sub-Section Number :** 4

**Sub-Section Id :** 64065367731

**Question Shuffling Allowed :** Yes

**Is Section Default? :** null

**Question Number :** 249 **Question Id :** 640653470183 **Question Type :** MCQ **Is Question**

**Mandatory :** No **Calculator :** None **Response Time :** N.A **Think Time :** N.A **Minimum Instruction Time :** 0

**Correct Marks :** 7

**Question Label :** Multiple Choice Question

When will the script `/home/rohit/premodel.sh` get executed.

```
5 0 * 8 * /home/rohit/premodel.sh
```

Hint: Below is the description of the sequence in the cron job command. It tells at what date/time periodically the job needs to be executed.

*	*	*	*	*	<Command(s) with argument>
					Command or Script to Execute
					Day of the Week(0-6)
					Month of the Year(1-12)
					Day of the Month(1-31)
					Hour(0-23)
					Min(0-59)

**Options :**

6406531562462. ✓ Everyday at 00:05 in August

6406531562463. ✖ Everyday at 05:00 in August

6406531562464. ✖ Everyday at 08:00 in May

6406531562465. ✖ Everyday at 08:05 in May

**Question Number : 250 Question Id : 640653470184 Question Type : MCQ Is Question**

**Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 7**

**Question Label : Multiple Choice Question**

Select the regex to extract only the value of "id" from the below HTML file names as index.html

```
<html>
  <head>
    <title>My Site</title>
  </head>
  <body>
    <div class="container" id="container-secondary">
      <button id="load-preview-button">Load</button>
      <button id="play-video-button">Play</button>
    </div>
  </body>
</html>
```

Hint: -o option in grep prints only the matched regular expression.

```
grep "button" index.html
button
button
button
button
button
button
```

**Options :**

6406531562466. ✓ `grep 'id=".*"' -o index.html | cut -d'"' -f2`

6406531562467. ✗ `cat index.html | grep 'id=".*"' | cut -d'"' -f2`

6406531562468. ✗ `grep 'id=".*"' -o index.html`

6406531562469. ✗ `grep 'id="."' -o index.html | cut -d'"' -f1`

**Question Number : 251 Question Id : 640653470185 Question Type : MCQ Is Question**

**Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 7**



Question Label : Multiple Choice Question

Choose the regular expression that match with **ONLY** the five digit palindrome. Basic Regular Expression (BRE) is used.

Options :

6406531562470. ✖ `^.....$`

6406531562471. ✖ `^{5}$`

6406531562472. ✔ `^\([0-9]\)\([0-9]\)[0-9]\2\1$`

6406531562473. ✖ `^\(.\)\(.\). \2\1$`

Question Number : 252 Question Id : 640653470192 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 7

Question Label : Multiple Choice Question

Select the standard input that prints "MATCH" as output.

```
read str
pat='^@.*#'

if [[ "$str" =~ "$pat" ]]; then
    echo MATCH
else
    echo NOT MATCH
fi
```

Options :

6406531562492. ✖ `!@#$`

6406531562493. ✖ `arch`

6406531562494. ✓ @#

6406531562495. ✖ #@

Sub-Section Number :	5
Sub-Section Id :	64065367732
Question Shuffling Allowed :	Yes
Is Section Default? :	null

**Question Number : 253 Question Id : 640653470186 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 8 Selectable Option : 0**

Question Label : Multiple Select Question

```
(+91|0)?[6-9][[:digit:]]{9}
```

What will be the matched case(s) from the above regular expression. Assume that the regular expression is using Extended Regular Expression Engine (ERE). [MSQ]

**Options :**

6406531562474. ✖ Any ten digit mobile number

6406531562475. ✓ Any ten digit mobile number starting with 6, 7, 8 or 9

6406531562476. ✓ Any ten digit mobile number starting with 6, 7, 8 or 9 with 0 as prefix

6406531562477. ✓ Any ten digit mobile number starting with 6, 7, 8 or 9 with +91 as prefix

**Question Number : 254 Question Id : 640653470188 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 8 Selectable Option : 0**

Question Label : Multiple Select Question

Choose the type of user(s) who can write to the file traceback.txt using the console output given below. [MSQ]

```
$ ls -l
-rw-rw-r-- 1 abdul student 6977 Aug 8 19:14 traceback.txt
```

**Options :**

6406531562479. ✓ abdul

6406531562480. ✓ ankit who belong to the group "student"

6406531562481. ✗ catherine who do not belong to the group "student"

6406531562482. ✗ jina who belong to the group "abdul"

**Sub-Section Number :** 6

**Sub-Section Id :** 64065367733

**Question Shuffling Allowed :** Yes

**Is Section Default? :** null

**Question Number : 255 Question Id : 640653470191 Question Type : SA Calculator : None**

**Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 5**

**Question Label : Short Answer Question**

**Enter the number A that will print the output "SUCCESS"**

```
[ "$A" -gt 10 ] &&
[ "$A" -lt 15 ] &&
[ "$(( A % 3 ))" -eq 0 ] &&
echo SUCCESS
```

**Response Type : Numeric**

**Evaluation Required For SA : Yes**

**Show Word Count : Yes**

**Answers Type : Equal**

**Text Areas : PlainText**

**Possible Answers :**

12

**Sub-Section Number :** 7  
**Sub-Section Id :** 64065367734  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 256 Question Id : 640653470193 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 9 Selectable Option : 0**

Question Label : Multiple Select Question

The files inside the directory is given below.

```
-rw-rw-r--  1 meena meena      2 Nov 30 09:53  docker_notes.txt
-rwxrwxr-x  1 meena meena    2901 Nov 18 13:47  emacs_notes.txt
drwxrwxr-x 11 meena meena    4096 Jul 27 17:24  vim
-rw-rw-r--  1 meena meena    1709 Nov 18 13:47  vim_notes.txt
drw-rw-r--  1 meena meena    4096 Nov 18 13:47  x
drw-rw-r--  1 meena meena    4096 Nov 18 13:47  y
drw-rw-r--  1 meena meena    4096 Nov 18 13:47  z
```

Select the file(s) that will be printed in the output. [MSQ]

```
for file in *; do
    # -f returns exit status 0 when the operand is a file
    [ -f $file ] && echo $file
done
```

**Options :**

6406531562496. ✓ docker\_notes.txt

6406531562497. ✓ emacs\_notes.txt

6406531562498. ✓ vim\_notes.txt

6406531562499. ✗ x

6406531562500. ✗ y

6406531562501. ✗ z

**Sub-Section Number :** 8

**Sub-Section Id :** 64065367735  
**Question Shuffling Allowed :** Yes  
**Is Section Default? :** null

**Question Number : 257 Question Id : 640653470194 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 6 Selectable Option : 0**

Question Label : Multiple Select Question

```
while read line; do  
    echo $line  
done < pattern.txt
```

Select the equivalent command for the above script.

**Options :**

6406531562502. ✓ `cat pattern.txt`

6406531562503. ✖ `cat pattern.txt | cat > pattern.txt`

6406531562504. ✖ `cat > pattern.txt`

6406531562505. ✓ `grep . pattern.txt`