Admission Exam

Student's Name: 
Student's ID: 

INSTRUCTIONS:
1- Any kind of cheating will subject the student to the penalties specified by the University rules
2- Use of cell phone is strictly prohibited

<table>
<thead>
<tr>
<th>Question</th>
<th>Mark</th>
<th>Out of</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Two</td>
<td>20</td>
<td></td>
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<tr>
<td>Three</td>
<td>20</td>
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<tr>
<td>Total</td>
<td>80</td>
<td></td>
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</tbody>
</table>

Total marks in letters
QUESTION I (90 Minutes, 40 Marks)

QUESTION I-A. GENERAL KNOWLEDGE

On the separate answer sheet, select the correct answer for each of the following questions.

1- Three of the following four are alike in a certain way and so form a group, which is the one that does not belong to the group?
   (a) Concrete  (b) Wall  (c) Window  (d) Roof

2- In a certain code language FIGHTING is written as BMCRQMPC. How will FITTING be written in this code language?
   (a) BMQQPC  (b) BMQQPMC  (c) BMQQMPC  (d) MBQMOPC

3- "BEGK" is related to "ADFJ" in the same way as the "PSVY" is related to:
   (a) ROUX  (b) LQUT  (c) QTWZ  (d) None of these

4- Statements: All stones are rocks. Some rocks are bricks. Some bricks are cements.
   Conclusions:   I. Some cements are rocks.
                  II. Some cements are stones.
                  III. No cement is stone
   (a) All follow  (b) Only I and II follow  (c) Only III follows  (d) None of these

5- Under fire condition, which material melts first?
   (a) Steel  (b) Timber  (c) Concrete  (d) Plastic

6- One inch is equal to:
   (a) 30 mm  (b) 25.4 mm  (c) 2.54 m  (d) 0.3 cm

7- $0.1 + (0.1)^2 + (0.1)^3 =$
   (a) 0.123  (b) 0.111  (c) 0.321  (d) 0.121

8- Which colour is the warmest?
   (a) Green  (b) Grey  (c) White  (d) Orange

9- Usually the height of doors in any apartment is:
   (a) 1.80 m  (b) 180 m  (c) 220 cm  (d) 220 mm

10- 150 is what percentage of 30?
    (d) 30%  (d) 50%  (d) 200%  (d) 500%
11- This Art work is inspired by the painter:
   (a) Piet Mondrian
   (b) Wolfgang Amadeus Mozart
   (c) Pablo Picasso
   (d) Philipp Emanuel Bach

12- Identify the tower illustrated in the figure.
   (a) Kingdom Tower, Jeddah
   (b) Burj Khalifa, Dubai
   (c) World Trade Center, New York
   (d) Petronas Tower, Kuala Lumpur

13- The use the building illustrated in the figure could be a:
   (a) Hospital
   (b) Mall
   (c) Residential Building
   (d) Museum

14- Do you think the temple illustrated in the figure is:
   (a) Japanese
   (b) Indian
   (c) Roman
   (d) Buddhist

15- The Building illustrated in the figure is:
   (a) Blue Mosque in Turkey
   (b) Taj Mahal in Iran
   (c) Zayed Mosque in Abu Dhabi
   (d) None of these
QUESTION I-B. SPATIAL REASONING
When the 2D shape is folded, which one of the following 3D forms could be obtained?
*On the separate answer sheet*, select the correct answer for each of the following questions.

16-

![Diagram](image)

(a) ![Shape A](image)
(b) ![Shape B](image)
(c) ![Shape C](image)
(d) ![Shape D](image)

17-

![Diagram](image)

(a) ![Shape A](image)
(b) ![Shape B](image)
(c) ![Shape C](image)
(d) ![Shape D](image)

18-

![Diagram](image)

(a) ![Shape A](image)
(b) ![Shape B](image)
(c) ![Shape C](image)
(d) ![Shape D](image)
21- Identify the correct elevation as indicated by the arrow.
22- Identify the top view of this object.

(a)  
(b)  
(c)  
(d)  

23- Identify the correct elevation as indicated by the arrow.

(a)  
(b)  
(c)  
(d)  

24- Identify the top view of this object.

(a)  
(b)  
(c)  
(d)  

25- Count the number of Vertical Edges

(a) 7  
(b) 4  
(c) 5  
(d) 2
26- Count the Number of Horizontal surfaces.

(a) 0  (b) 1  (c) 2  (d) 3

27- Count the Number of triangular surfaces.

(a) 2  (b) 4  (c) 8  (d) 10

28- Count the Number of Vertical Edges.

(a) 2  (b) 4  (c) 8  (d) 10

29- How many triangles are there?

(a) 49  (b) 36  (c) 24  (d) 30

30- How many cubes are there?

(a) 16  (b) 18  (c) 20  (d) 22
QUESTION I-C. INDUCTIVE REASONING

What is the next logical step in the sequence?

On the separate answer sheet, select the correct answer for each of the following questions.

31-

(a)  

(b)  

(c)  

(d)  

32-

(a)  

(b)  

(c)  

(d)  

33-

(a)  

(b)  

(c)  

(d)  

34-

(a)  

(b)  

(c)  

(d)  

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QUESTION II. FREE HAND DRAWING AND IMAGINATION SKILLS (45 MINUTES, 20 MARKS)

Imagine you are an ant on the top of a half eaten pizza inside a pizza box, the cover of the pizza box is half open, you can see a Pepsi bottle and a cup outside the box.
Draw the scene on the attached A3 Canson within a rectangle 40 cm x 28 cm.

QUESTION III. CREATIVITY SKILLS (45 MINUTES, 20 MARKS)

On the attached A3 Canson, Draw a sketch of an abstract composition to be used as a CD Cover (12 cm x 12 cm), using any of the following 2D primitive shapes: rectangles, circles, triangles, squares, and/or lines of different numbers, sizes and colours, in addition to the CD title.
This CD Title is: The Lebanese Experience. This Experience could be in one of the following:
- Folk Art Music
- Touristic Sites
- Cooking

A sample of an abstract composition is given below (Note this composition does not reflect the exact requirement).