

1B3N16135

(Pages :2)

Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BMMC Degree Examination, November 2016

A11 - Basic Numerical Skills

(2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 80

Part A : Objective Type Questions:

Answer all ten question. Each carries 1 mark

1. Which among following is the ideal measure of dispersion
a. Range b. QD c. MD d. SD
2. Which of the following is called discriminant
a. $a^2 - bc$ b. $b^2 - 4ac$ c. $4ac - b$ d. $c - 4a$
3. If 2, x, 8 are the successive terms of a G.P. then the value of x is
a. 5 b. -4 c. 4 d. ± 4
4. The equation $y = 4x + k$, k is any real number has
a. No solution b. One solution c. Finite number of solution d. Infinite number of solution
5. Define a unit matrix of order three
6. Define De- Morgan Law of sets
7. Which is the graphical method of studying dispersion
8. Write the common difference of the A P 4, -8, -20.....
9. Sum of first n natural numbers is.....
10. Give an example of open end class.

(10X1=10 Marks)

Part B: Short Answer Questions:

Answer any ten out of 12 questions. Each carries 2 mark

11. Find two numbers whose sum is 30 and difference is 4.
12. Find $A + A^T$ where $A = \begin{bmatrix} 3 & 7 \\ 5 & 2 \end{bmatrix}$.
13. Distinguish between simple and compound interest.
14. Find the median for 4,25,45,15,26,35,55,28,48.
15. Define the terms .
a. Power set.
b. Universal set.
c. Proper subset.
d. Disjoint set.
16. What are the components of time series?
17. Solve $x + y = 10$
 $xy = 24$
18. Find the effective rate of interest if interest is calculated at 8% quarterly
19. Briefly explain kurtosis.
20. If $A = \{x: x \in N \text{ and } 1 < x \leq 6\}$
 $B = \{x: x \in N \text{ and } 6 < x \leq 10\}$ Find $A \cup B$ and $A \cap B$
21. Solve the equation $x^2 - 4x + 5 = 0$
22. Find the sum of $1+4+7+\dots$ to 30 terms

(10 X 2= 20 Marks)

Part C: Paragraph Questions : Answer Any five out of eight.
Each carries six mark.

23. Distinguish between multiple and subdivided bar diagrams
24. Find C.V of the following
Class : 1 - 3 3 - 5 5 - 7 7 - 9
f : 40 30 20 10
25. Solve the equations
 $2x + 4y = 14$
 $3x + 6y = 21$
26. Find the three consecutive numbers in AP whose sum is 27 and their product is 648
27. The mean and median of a frequency distribution are 23.2 and 25.5 respectively. Find the approximate value of its mode. Also find pearson's coefficient of skewness if the standard deviation is 4.5
28. Compute the inverse of the matrix $\begin{bmatrix} 0 & 1 & 2 \\ 1 & 2 & 3 \\ 3 & 1 & 1 \end{bmatrix}$
29. Let $A = \{1, 2, 3\}$ $B = \{3, 4\}$ $C = \{4, 5, 6\}$ Find
1. $A \times (B \cap C)$
2. $(A \times B) \cap (A \times C)$
3. $A \times (B \cup C)$
4. $(A \times B) \cup (A \times C)$
30. Construct histogram and frequency polygon for the following frequency distribution
Class: 0 - 10 10 - 20 20 - 30 30 - 40 40 - 50
f : 5 12 13 14

(5 X 6 = 30 Marks)

Part D: Essay Type Question: Answer any two out of three.
Each carries ten mark

31. Explain measure of central tendencies
32. What are the different way of diagrammatic representation of statistical data. Draw less than ogive of the following data
Class: 0 - 10 10 - 20 20 - 30 30 - 40 40 - 50 50 - 60 60 - 70
Frequency: 35 68 92 44 44 38 23
33. Solve by Cramer's rule
 $5x - 6y + 4z = 15$
 $7x + 4y - 3z = 19$
 $2x + y + 6z = 46$

(2 X 10 = 20 Marks)

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Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BMMC Degree Examination, November 2016

BMM3B04 - Computer Graphics

(2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 60

Section A (One Word)

Answer all questions. Each question carries 1 mark

1. Resolution is usually expressed in
a) Points b) Inches c) Pixels d) Columns
2. Opacity controls of a layer
a) Hue b) Transparency c) Contrast d) Sharpness
3. Layers in Photoshop are:
a) Filters that have been applied to the image b) Previous versions of an image
c) Colour components such as CMYK d) Images stacked on top of each other
4. Tool which creates similarly coloured area of an image is
a) Dodge b) Lens Flare c) Magic Wand d) Smudge
5. The palette that lets you jump to any recent state of the image created during the current working session is
a) History b) Property c) Character d) Swatches
6. In Adobe Illustrator we create our design and illustrations on
a) Page b) Canvas c) Cardboard d) Artboards
7. The tool which is used to combine multiple objects using interaction modes in illustrator is
a) Pathfinder b) Shape Builder c) Scallop d) Expand
8. push, pull, rotate, reflect, pucker and bloat any area of an image in Photoshop
a) Lens Flare b) Liquify c) Burn d) Lasso
9. Write the lossy file format from the given file format
a) TIFF b) GIF c) JPEG d) PNG
10. uses to repair the problem area in photos by painting over them with pixel data from other areas.
a) Marquee Tool b) Pen Tool c) Quick Selection Tool d) Clone Stamp Tool

(10 x 1 = 10)

Section B (Short Answer)

Answer any six questions. Each question carries 2 marks

- | | |
|---------------------|----------------|
| 11. Vector Graphics | 12. Masking |
| 13. Smart Object | 14. Artboard |
| 15. Filters | 16. Channels |
| 17. Resolution | 18. Hex Values |

(6 x 2 = 12)

Section C (Paragraph)

Answer any three questions. Each question carries 6 marks

19. Write the methods to reshaping objects in Photoshop
20. What are the major difference between Vector graphics and Raster graphics?
21. What is Colour Correction? What are the different tools and techniques used for colour correction of an image?
22. Explain Blending Modes in Photoshop
23. What you mean by Lossy and Lossless image compression?

(3 x 6 = 18)

Section D (Essay)

Answer any two questions. Each question carries 10 marks

24. Explain the features, tools and options of Adobe Illustrator.
25. What are the important steps to design a Poster? Explain the process with a proper example.
26. What is Photo manipulation? Briefly explain different tools and methods to manipulate a bitmap image in Photoshop

(2 x 10 = 20)

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(Pages :2)

Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BMMC Degree Examination, November 2016

BMM3C06 - Design & Pagination

(2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 60

Part A (One Word)

I. Answer all questions. Each question carries 1 mark.

1. Which one of the following doesn't belong to pagination software?
a. Corel Draw
b. PageMaker
c. In Design
d. Iclone
2. Kerning means
a. Space between two characters
b. Space between Lines
c. Space between sentences
d. Space between Images
3. Expansion of GUI is.....
a. Graphical User Interface
b. Graphics Upgraded Interface
c. Geographical Used Index
d. None of the above
4. In CMYK colour mode, K stands for.....
a. Magenta
b. Black
c. Cyan
d. Yellow
5. Which one of the following belongs to vector software used in design?
a. Photoshop
b. Morph Studio
c. After effects
d. Corel Draw
6. The shortcut used for doing "undo" is.....
a. Ctrl+D
b. Ctrl+V
c. Ctrl+Z
d. Ctrl+V
7. Which image file format can be used for "LOGO" creation?
a. JPEH
b. TGA
c. PNG
d. TIFF
8. Pictorial representation of script is.....
a. Slug line
b. Story board
c. Concept
d. Animatics
9. Find the odd one out:
a. BALANCE
b. PROPORTION
c. CONTRAST
d. WHITE BALANCE
10. Which colour mode is used for display purpose?
a. RGB
b. HSB
c. CMYK
d. RYB

(10 X 1 = 10)

Part B (Short Answer)

II Answer any six question. Each question carries 2 marks.

11. What is meant by legibility?
12. What is meant by wraparounds?
13. What is meant by dummies?
14. What is meant by page makeup?
15. What are the contents in an edit-page?
16. Draw a simple magazine cover page.
17. What are display headlines?
18. What is horizontal and vertical makeup?

(6 X 2 = 12)

Part C (Paragraph)

III Answer any three question. Each question carries 6 marks.

19. What are the DO'S and DONT'S of a design?
20. Explain white balancing.
21. Explain info graphics and the elements used.
22. Describe the layout and contents of a front page.
23. What are the contents in a special page of a news paper?

(3 X 6 = 18)

Part D (Essay)

IV Answer any two question. Each question carries 10 marks.

24. What are the principles of artistic design?
25. What are the different types of pages in a news paper? Brief the types of contents too.
26. Make an essay on typography for legibility?

(2 X 10 = 20)

Name:
FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BMMC Degree Examination, November 2016
BMM3C05 - Digital Photography
(2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 60

Section A (One word)

Answer all questions. Each question carries 1 mark

1. Ambiance light is also known as.....
 - a. Natural light
 - b. Artificial light
 - c. White light
 - d. None of the above
2. The outer covering of the eye is called
 - a. Cornea
 - b. Retina
 - c. Diaphragm
 - d. None of the above
3. Camera has athat opens and closes to allow or shut out light
 - a. Door
 - b. Shutter
 - c. Mirror
 - d. None of the above
4. Photoshop is a
 - a. Image making software
 - b. Editing software
 - c. Image editing software
 - d. None of the above
5. Three point lighting is also called
 - a. Hollywood lighting
 - b. Natural lighting
 - c. Bollywood lighting
 - d. None of the above
6. "Better photography" is a.....
 - a. Photography school
 - b. Magazine
 - c. Photography studio
 - d. None of the above
7. Arrangement of elements in frame is called
 - a. Composition
 - b. Rule of third
 - c. Photography
 - d. None of the above
8. Aperture is also known as
 - a. ISO
 - b. F-stop
 - c. Shutter Speed
 - d. None of the above
9. Victor George was a
 - a. Press Photographer
 - b. Nature Photographer
 - c. Wild Photographer
 - d. None of the above
10. In digital technology, photographs are produced out of
 - a. data
 - b. light rays

SECTION B (Short Answers)

Answer any six questions. Each question carries 2 marks

11. Depth of Field
12. White Balance
13. Soft Box
14. Shutter Speed
15. Framing
16. Sensor
17. ISO
18. Grips

(6 x 2 = 12)

Section C (Paragraph)

Answer any three questions. Each question carries 6 marks

19. What is Photography and explain the types of photography
20. Elaborate on the different types of lenses.
21. Depth of Field in Photography
22. Difference between Analog and Digital Photography.
23. Importance of White and Black balance in still photography
24. Explain point and shoot cameras.

(3 x 6 = 18)

Section D (Essay)

Answer any two questions. Each of the questions carries 10 marks

25. Explain the parts and functions of an SLR camera.
26. Elaborate on the steps followed in image processing.
27. "A picture is worth thousand words." Explain.

(2 x 10 = 20)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester BMMC Degree Examination, November 2016

A12 - General Informatics

(2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 80

SECTION A**Answer all questions. Each question carries 1mark**

1. ----- Unit of CPU directs and co-ordinates all operations of a computer?
a. ALU b. RAM c. Output Unit d. Register
2. ----- cards are an integrated circuit that generates an audio signal and sends it to a computer's speakers?
a. Video Card b. Sound cards c. Web cam d. None of the above
3. CAD stands for:
a. Computer Aided Manufacture b. Computer Aided Development
c. Computer Aided Device d. None of the above
4. Which type of e –governance is created between the government and citizens?
a. G2G b. G2C c. G2B d. None of the above
5. The Indian patent Act finally amended in
a. 1970 b. 1996 c. 2005 d. None of the above
6. Which of the following provides fastest broad net internet connection?
a. Cable b. DSL c. Fiber Optics d. Satellite
7. Which of the following is annoying, but really doesn't render any harm to our computer?
a. Shareware b. Malware c. Spyware d. Adware
8. IT act in India amended in :
a. 2000 b. 2004 c. 20008 d. None of the above
9. In Open Office org, "calc" is a
a. Word processor b. Spreadsheet c. Database d. None of these
10. Open SUSE a community distribution mainly sponsored bt:
a. Red Hat b. Novell c. Oracle d. None of the above

(10 x 1 = 10)**SECTION B (Short Answers)****Answer any ten questions. Each question carries 2 marks**

11. What is Computer?
12. What is Bus Topology?
13. What is peer to peer network?
14. Explain IT can for used for national integration?
15. What is mobile computing?
16. What do you mean by information?
17. Define Knowledge Management?
18. What is an academic website?
19. Define TRIPS?
20. What is Plagiarism?
21. Define e- waste?
22. Who is hacker?

(10 x 2 = 20)**SECTION C (Paragraph)****Answer any five questions. Each question carries 6 marks**

23. Briefly explain the limitations of computer?
24. Write a short note on free software movement?
25. Discuss the use of IT in business and commerce?
26. What are the different stages involved in implementing e – governance?
27. Explain how internet acts as knowledge repository?
28. Write a note on INFLIBNET?
29. What is mean by Cyber security?
30. What do you mean by Linux distributions?

(5 X 6 = 30)**SECTION D (Essay)****Answer any two questions. Each question carries 10 marks**

31. Discuss the important parts and features of a computer system?
32. What are wireless applications? Discuss the most popular wireless applications extensively used now days?
33. Explain the guidelines for the use of computers and internet?

(2 X 10 = 20)

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester BMMC Degree Examination, November 2016
BMM3B03 - Media Publishing
(2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 60

Section A (One word)

Answer all the questions. Each question carries 1 mark

- Which are the Secondary colours
a) CYAN,MAGENTHA ,YELLOW,BLACK b) BLACK,RED,ORANGE GREEN
c) RED , GREEN,BLUE d) NONE OF THESE
- Expand PDF
a)printing document format b)print display format
c)printing file format d)portable document format
- Hypertext means....
a)text with a hyper link b)formatted colorful text
c)active text d)none of these
- Text wrapping means.....
a)filling an area with text b)surrounding the image with text
c)over writing above an image with text d)none of these
- RGB stands for.
a) WHITE ,BLACK b) RED,YELLOW ,BLUE
c)RED , GREEN,BLUE d) RED BLUE YELLOW
- Image manipulation
a) editing an image b)deleting an image
c)replacing an image d)none of these
- Full form of ASCII is -----
a)American Standard Code for Information Interchange
b) American Standard channel for Information Interchange
c) Arranged Standard Code for Information Interchange
d) American Standard Code for Information intermediate
- Compression means.....
a) Reduce the width and height b) reduce the image data
c) deleting the selected parts d) none of these
- Tiff Stands for -----
a)tiled image format b>tagged image file format
c)typical information format d)tile interchange file format
- is a Page design software
a)In design b)flash

Section B (Short answer)

Answer any six questions. Each question carries 2 marks

- Components of editing text?
- Special page of a news paper.
- Post script
- Illustrations
- Use of power clip
- Master page
- Page setup
- Step of Exporting PDF of Indesign file

(6 x 2 = 12)

Section C (Paragraph)

Answer any three questions. Each question carries 6 marks

- Define Typography?
- In design tools
- Text wrapping and Text formatting
- Colour separation process
- Object linking and embedding

(3 x 6 = 18)

Section D (ESSAY)

Answer any two questions. Each question carries 10 marks

- Explain the In Design features and applications?
- Draw and explain about news paper layout model?
- Offset printing?

(2 x 10 = 20)