## FINAL ANSWER KEY

	Category Code:	280/2020
	Exam:	Computer Grade II
	Date of Test	12-07-2022
	Department	Printing
	Alphacode	A
Question1:-Daily newspap	er, Magazines, Cartons, Bro	ochures are applications of colour theory.
A:-Additive		
B:-Multiplicative		
C:-Subtractive		
D:-Divisive		
Correct Answer:- Opt	ion-C	
Question2:-Leave, training	g, employee, policy related i	issues are related to which of the following department?
A:-Finance		
B:-Personnel		
C:-Marketing		
D:-Sales		
Correct Answer:- Opt	ion-B	
Question3:-Which of the fo	ollowing imposition needs g	ripper side to be changed ?
A:-Work and turn		
B:-Work and twist		
C:-Work and tumble		
D:-Half sheet work		
Correct Answer:- Opt	ion-C	
Question4:-In multinationa 1. Stapler pins 2. Four colour printing ma 3. Cotton rags for cleaning 4. Paper web	chines	ass items from the following :
A:-2, 3 and 4		
B:-1 and 4		
C:-1 and 3		
D:-1, 2 and 3		
Correct Answer:- Opt	ion-C	
Question5:-Paper is stiffer	and stronger in	_ direction.
A:-Top direction		
B:-Grain direction		
C:-Vertical direction		
D:-Cross direction		
Correct Answer:- Opt	ion-B	
Question6:-What are the s	stages of RIP ?	
A:-Introduction, Regis	stration, Screening	
B:-Interpretation, Reg	gistration, Screening	
C:-Interpretation, Rer	ndering, Screening	
D:-Introduction, Repa	air, Screening	
Correct Answer:- Opt	ion-C	
Question7:-Select which o	f the following wavelength	will fall under visible spectrum range so that the human eye will be able to see ?
A:-890 nanometer		
B:-450 nanometer		
C:-100 nanometer		

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Question Paper Code:

D:-1500 meter
Correct Answer:- Option-B
Question8:-In Sathyam offset printing press, cost of printing is Rs. 70 per colour for 1000 impressions. Find cost of printing 10000 impressions in Rupees.
A:-1200
B:-12000
C:-700
D:-7000
Correct Answer:- Option-C
Question9:-In colour separation, what is Duo tone stand for ?
A:-Separation for two colour with screen angles at 30°
B:-Separation for two colour with screen angles at 0°
C:-Separation for four colour with identical screen angles
D:-Separation for six colour with screen angles at 30°
Correct Answer:- Option-A
Question 10:-Machine operator, Production Supervisor, Manager and Assistant Manager are the working staff in an offset printing press. The formal flow order from lowest to highest position in management; of authority shall be
A:-Production Supervisor, Assistant Manager, Machine Operator, Manager
B:-Machine Operator, Production Supervisor, Assistant Manager, Manager
C:-Manager, Production Supervisor, Assistant Manager, Machine Operator
D:-Assistant Manager, Machine Operator, Production Supervisor, Manager
Correct Answer:- Option-B
Question11:-Choose correct sequence of operations in book production from the following.
A:-Folding, gathering, cover application, trimming
B:-Gathering, cover application, trimming, folding
C:-Cover application, trimming, gathering, folding
D:-Gathering, folding, cover application, trimming
Correct Answer:- Option-A
Question12:-To view a colour, we require
A:-Object, observer, exposure
B:-Object, oblong, illuminant
C:-Object, observer, illuminant
D:-Object, observer, oblong
Correct Answer:- Option-C
Question13:-Find weight in kilograms of 20 reams of 75 gsm A4 size paper.
A:-46.78
B:-87.64
C:-78.64
D:-78.46
Correct Answer:- Option-A
Question14:-With reference to unit fixed cost, which of the following is true ?
A:-Unit fixed cost remains same with change in quantity
B:-Unit fixed cost increases with increase in quantity
C:-Unit fixed cost decreases with increase in quantity
D:-Unit fixed cost decreases with decrease in quantity
Correct Answer:- Option-C
Question15:-Input to a Ctp machine to make plate is required in format.
A:-Vector
B:-Raster
C:-Preflight
D:-Raw

Correct Answer:- Option-B
Question16:-Gravure machine prints at a rate of 2.5 meters per second. Find out how much length of substrate in meters will be printed in one hour?
A:-3000
B:-6000
C:-9000
D:-12000
Correct Answer:- Option-C
Question17:-Rate of trimming of book is Rs. 150 per side per 1000 books. Find cost of trimming 3 sides of 5000 books, in Rupees.
A:-7500
B:-1500
C:-2250
D:-3000
Correct Answer:- Option-C
Question18:-Select correct statement used in costing.
A:-Cost + Profit = Price
B:-Cost - Profit = Price
C:-Cost + Price + Profit = 0
D:-Cost + Profit + Loss = Price
Correct Answer:- Option-A
Question19:-In printing press while calculating ink consumption, 2% wastage allowance of ink is to be added to get total ink consumed. If 50 kg of cyan ink is estimated without wastage by production department; find ink required in kg for wastage allowance.
A:-2
B:-1
C:-0.5
D:-0.05
Correct Answer:- Option-B
Question20:-For calculating weight of ink using SPANKS formula, P stands for
A:-Printing process
B:-Pages quantity
C:-Printing color
D:-Printing wastage
Correct Answer:- Option-A
Question21:-A problematic, non-required pattern generated due to interference of screen angles is called as
A:-Rosette
B:-Diamond
C:-Hexachrome
D:-Moire
Correct Answer:- Option-D
Question22:-Calculate weight of 1000 sheets of 100 cm $_{ m X}$ 100 cm and 100 gsm is
A:-10 Kg
B:-100 Kg
C:-1000 gm
D:-1000 Kg
Correct Answer:- Option-B
Question23:-Select correct statement related to FM screening.  1. Dot size remains same.  2. Dot size changes.  3. FM stands for Frequency Modulation.  4. FM stands for Fortune Modulation.
A:-only 4
B:-1 and 3
C:-1 and 4

D:-2 and 3
Correct Answer:- Option-B
Question24:-As per ABC analysis which of the following characteristic is related to A class items ?  1. The items are high priced.  2. The items are huge in number.  3. The items require critical control during the purchase.  4. The items can be purchased everyday as per requirement.
A:-1 and 3
B:-1 and 2
C:-2 and 4
D:-1 and 4
Correct Answer:- Option-A
Question25:-Select correct statement from the following.
A:-Printer should never give delivery on time as per Newspaper and Registration of Books Act, 1994
B:-Printer is never liable to pay penalty as per Factories Act, 1951
C:-Printer is exempted from penalty due to delayed delivery with reference GST Act 246 Section 12
D:-Any delay from printer beyond the stipulated period from the Scheduled delivery date, the printer shall be liable to pay the penalty
Correct Answer:- Option-D
Question26:-Select correct statement from the following.
A:-Variable cost increases as output quantity decreases
B:-Variable cost remains constant irrespective of output quantity
C:-Variable cost, output quantity has no relation
D:-Variable cost varies in direct proportion to output quantity
Correct Answer:- Option-D
Question27:-Select correct statement related to attributes of color.
A:-Colour name is the only attribute of color
B:-Hue, value, chroma are attributes of color
C:-Value and chroma are only attributes of color and hue is not related to color
D:-Metalic inks are called attributes of color
Correct Answer:- Option-B
Question28: present in the paper causes it to turn yellow therefore it is necessary to remove it during paper manufacturing.
A:-Water mark
B:-Lignin
C:-Fourdrinier machine
D:-Silica
Correct Answer:- Option-B
Question29:-A job requires 20 reams of A2 size paper. Half of the quantity is sent to production department. Then number of sheets of A2 size paper are balance with stores department.
A:-7500
B:-3750
C:-5000
D:-10000
Correct Answer:- Option-C
Question30:-1 sheet = 1 leaf = 2 pages. Hence two sheets of A1 size paper will contain pages of A5 size papers.
A:-8
B:-64
C:-32
D:-16
Correct Answer:- Option-B
Question31:-Which of the following are conventional dot shapes ?
A:-Square, triangle
B:-Ellipse, triangle

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D:-Square, pentagon
     Correct Answer:- Option-C
Question32:-Which of the following is A0 size (m_Xm) ?
     A:-889 × 1141
     B:-84.1 × 118.9
     C:-841 × 1189
     D:-0.841 _{	imes} 1.141
     Correct Answer:-Question Cancelled
Question33:-__
                     __ relates to thickness of substance to its mass.
     A:-Grammage
     B:-Caliper
     C:-Bulk
     D:-Smoothness
     Correct Answer:- Option-C
Question 34: - Digital\ printing\ machines\ are\ available\ in\ B2\ size.\ Which\ of\ the\ following\ is\ nearest\ size\ to\ B2\ in\ (inch_x\ inch)\ ?
     A:-12 × 18
     B:-15 _{	imes} 20
     C:-20 x 28
     D:-500 x 707
     Correct Answer:- Option-C
Question35:-Screening process break down continuous tone into
     A:-Proportionate half tone
     B:-Disproportionate half tone
     C:-Continuous tone of different hue
     D:-Different tone of same hue
     Correct Answer:- Option-A
Question36:-Select correct statement about vector image.

    It is based on mathematical equations.
    It requires more memory size.

3. After enlargement it shows brick like structure.4. It has smooth edges.
     A:-1, 2 and 3
     B:-1, 2, 3 and 4
     C:-2 and 4
     D:-1 and 4
     Correct Answer:- Option-D
Question37:-In ISO paper sizes; the ratio of length to width is
     A:-1.414 : 1
     B:-1 : 2
     C:-2 : 1
     D:-1:1.414
     Correct Answer:- Option-A
Question38:-A condition of ink, when left in a container thicken and form a light gel structure on the top layer
     A:-Thixotrophy
     B:-Light fastness
     C:-Tonal range
     D:-Viscosity
     Correct Answer:- Option-A
Question39:-Which of the following is not a filler used in paper?
     A:-Wax emulsion
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C:-Ellipse, circle

B:-Titanium dioxide

A-Calendered paper B-Handmade paper C-Super calendered paper D-Newsprint paper Correct Answers- Option-D Question48-Process yellow overprinted on process cyan ideally produces A-Black color B-Blue color C-Green color D-No color Correct Answer- Option-C Question49-Whitch among the following is appearance property of paper? A-Folding endurance B-Tearing strength C-Moisture content D-Whiteness Correct Answer- Option-D Question50-Which of the following ISO standards specifies process parameters for four color offset printing? A-ISO 12647-2 B-ISO 14644 C-ISO/IEC 24711 D-ISO 2846 Correct Answer- Option-A Question51-Opentype font uses
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B:-Tracking C:-Leading D:-Aliasing Correct Answer:- Option-A
C:-Leading D:-Aliasing Correct Answer:- Option-A
D:-Aliasing Correct Answer:- Option-A
Correct Answer:- Option-A
Question54:-Convert 12 points into mm
A:-4.2 mm
B:-6.4 mm
C:-12 mm
D:-3.5 mm
D. 3.3 mm
Correct Answers- Ontion-A
Correct Answer:- Option-A  Question55:-In typeface characteristics, is the angle of shading in the letter strokes.

B:-Set width	
C:-Stress	
D:-Proportion	
Correct Answer:- Option-C	
Question56:-Which of the following should be done to improve the readability of the text?	
A:-Convert the text into all capitals	
B:-Apply narrow kerning to the text	
C:-Choose ornamental fonts	
D:-Increase the leading	
Correct Answer:- Option-D	
Question57:-Which of the following statement is not true about specially coated papers for inkjet printing ?	
A:-Produces feathering of ink	
B:-Controls ink spreading	
C:-Helps in ink setting and drying	
D:-Prevents excessive ink absorption	
Correct Answer:- Option-A	
Question58:-In binary deflection continuous inkjet printing, the satellite drops	
A:-are collected in reservoir	
B:-merge with main drop	
C:-evaporate during the flight period	
D:-reach the substrate separately	
Correct Answer:- Option-B	
Question59:-The latent charge on the photo conducting drum in electro-photographic process becomes visible after	
A:-Imaging	
B:-Cleaning	
C:-Inking	
D:-Toner transfer	
Correct Answer:- Option-C	
Question60:-In a two component liquid toner system both the carrier and toner are in and states respec	tively.
A:-solid, solid	
B:-liquid, solid	
C:-solid, liquid	
D:-liquid, liquid	
Correct Answer:- Option-B	
Question61:-Which of the following statement is/are correct in offset printing?  (i) Push side guide is commonly used for larger sheets.  (ii) Pull side guide is commonly used in wider/larger presses.  (iii) Side lays have no impact on registration.	
A:-Only (i)	
B:-Only (ii)	
B:-Only (ii) C:-Only (iii)	
C:-Only (iii)	
C:-Only (ii) D:-Only (i) and (ii)	
C:-Only (iii) D:-Only (i) and (ii) Correct Answer:- Option-B	
C:-Only (iii) D:-Only (i) and (ii)  Correct Answer:- Option-B  Question62: indicates the ability of a pigment particle to bend light rays.	
C:-Only (iii) D:-Only (i) and (ii) Correct Answer:- Option-B  Question62: indicates the ability of a pigment particle to bend light rays.  A:-Reflective indices	
C:-Only (iii) D:-Only (i) and (ii) Correct Answer:- Option-B Question62: indicates the ability of a pigment particle to bend light rays. A:-Reflective indices B:-Refractive index	
C:-Only (iii) D:-Only (i) and (ii) Correct Answer:- Option-B  Question62: indicates the ability of a pigment particle to bend light rays.  A:-Reflective indices B:-Refractive index C:-Transmitive indices	
C:-Only (iii) D:-Only (i) and (ii) Correct Answer:- Option-B  Question62: indicates the ability of a pigment particle to bend light rays.  A:-Reflective indices B:-Refractive index C:-Transmitive indices D:-Transmissive index	

B:-1 side lay and 2 front lays
C:-3 side lays alone
D:-3 front lays alone
Correct Answer:- Option-B
Question64:-Fluctuation of the contact pressure between zero and the maximum value is also referred to as
A:-cylinder gap shock
B:-cylinder beckles
C:-cylinder slip away
D:-cylinder play shot
Correct Answer:- Option-A
Question65:-In inline perfect printing, for work-and-turn job gripper margins are needed at
A:-both lead and left edge
B:-both lead and trail edge
C:-both lead and right edge
D:-only lead edge
Correct Answer:- Option-D
Question66:-Sheet printed on one side often have such a strong tendency to curl in the delivery pile that it is difficult to form a smooth pile. This curl formation in the paper also increases the risk of
A:-both offsetting and rimming
B:-both offsetting and blocking
C:-both fluttering and blocking
D:-both fluttering and rimming
Correct Answer:- Option-B
Question67:-Due to ink rheology the sheet sticks to the blanket so firmly that the grippers have to remove the sheet with a great deal of pulling force result in a stretch and arc formation called
A:-Offsetting
B:-Blocking
C:-Curling
D:-Smearing
Correct Answer:- Option-C
Question68:-From the following set of operations, find the option that is not having finishing operation.
A:-perfecting, cutting, coating or embossing
B:-perforating, cutting, creasing or embossing
C:-perforating, creasing, numbering or embossing
D:-perforating, folding, creasing or embossing
Correct Answer:-Question Cancelled
Question69:-Ink fountain dividers separate the ink fountain into several segments crosswise to the direction of printing is called as
A:-Ink grinding
B:-Rainbow printing
C:-Fix hologram
D:-Gloss coating
Correct Answer:- Option-B
Question70:-In newspaper printing, the printing ink dries on the paper substrate by mere absorption or penetration into the paper fibre body is known as method.
A:-Moisture set
B:-Cold set
C:-Water set
D:-Solvent set
Correct Answer:- Option-B
Question71:-In a blanket to blanket press the printing nip is (i) between plate to blanket (ii) between blanket to blanket (iii) blanket to impression

A:-Only (i)	
B:-Only (iii)	
C:-Only (ii)	
D:-All the above (i), (ii) and (iii)	
Correct Answer:- Option-C	
Question72:-Find proper sequence o	of the folds required to produce a "magazine or quarter fold".
A:-Former fold and jaw fold	
B:-Former fold, jaw fold and jaw	v fold
C:-Former fold, jaw fold and cho	opper fold
D:-Former fold, buckle fold and	chopper fold
Correct Answer:- Option-C	
Question73:-Rollers are subjected to	o ink buildup on the ends can get rock hard in times, this condition of the rollers known as
A:-roller striking	
B:-roller glazing	
C:-roller building	
D:-roller splitting	
Correct Answer:- Option-A	
Question74: are used to cor	ntrol the web printing problem due to fan out of web running related to width direction, positioned at 2, 3, 4 units.
A:-Bustle wheel	
B:-Finger gripper	
C:-Bowed gripper	
D:-Curved feed board	
Correct Answer:- Option-A	
Question75: is the remo	oval of the inside fold on the face of the tabloid signature.
A:-Loose fold	
B:-Cracked fold	
C:-Wipe out	
D:-Split out	
Correct Answer:- Option-C	
Question76:-To print variable data in	offset machine, an imprinter is usually used. What are the basic parts of imprinters?
A:-Metal pins, cushion bar and	coating unit
B:-Plate roller, blanket roller an	d impression cylinders
C:-Metal number plates, adhesi	ive unit and impression rolls
D:-Rubber letter press plates, in	mpression cylinder and simple inking system
Correct Answer:- Option-D	
Question77:-What is the purpose of	placing scavengers, scrubbers or air knives in a moving web ?
A:-to provide more heat for ove	ercome saturation of boundary layer
B:-to enhance oxidation phase	of printed ink drying
C:-to improve the flutter of web	o inside the dryer and improve speed
D:-to remove boundary layer to	prevent saturation
Correct Answer:- Option-D	
Question78:-The is a con	npact gear with a very high step-down ratio and has the capability of overlaying another movement coming from the servo motor
A:-Herringbone Gear (HG)	
B:-Harmonic Drive (HD)	
C:-Helical Clutch (HC)	
D:-House of Slips (HS)	
Correct Answer:- Option-B	
Question79:-Depending on the legis	lation applicable, a maximum noise level of is permitted at a workplace like high speed web presses.
A:-40-45 dB	
B:-50-55 dB	

	C:-70-75 dB
	D:-80-85 dB
	Correct Answer:- Option-D
(i) (ii)	stion80:-Which of the following statement is true ? A former fold is made in the grain direction of the web. A chopper fold is made in the cross grain direction of the web. A jaw fold is made in the cross grain direction of the web.
	A:-only (i)
	B:-only (ii)
	C:-only (i) and (ii)
	D:-only (i) and (iii)
	Correct Answer:- Option-D
Que	estion81:-The cells in anilox roller has a 4 sided cavity which tapers to sharp point at the bottom.
	A:-Pyramidal
	B:-Quadrangular
	C:-Helical
	D:-Tri-Helical
	Correct Answer:- Option-A
(i) (ii)	estion82:-Which of the following statement is/are correct about rewind roll stands ? Center driven rewinder delivers its power to the shaft. In surface driven rewinder, the outside layer of the roll receives the driving force. In surface braked rewinder, the diameter of the winding roll becomes smaller.
	A:-Only (i)
	B:-Only (ii)
	C:-Only (i) and (ii)
	D:-Only (i) and (iii)
	Correct Answer:- Option-C
Que	stion83:-Electromechanical engraving of gravure cylinder produces
	A:-Variable area; Uniform depth
	B:-Uniform area; Variable depth
	C:-Uniform area; Uniform depth
	D:-Variable area; Variable depth
	Correct Answer:- Option-D
(i) (ii)	estion84:-Which of the following statement is/are correct in gravure ? Doctor blade is oscillated to counteract the blade lifting force. Fan out effect is corrected by steam rods. High velocity nozzle dryers are used for drying.
	A:-Only (i)
	B:-Only (iii)
	C:-Only (i) and (ii)
	D:-Only (i) and (iii)
	Correct Answer:- Option-B
Que	stion85:-Which of the following factor does not affect the ink deposition in screen printing process ?
	A:-Squeegee material
	B:-Squeegee pressure
	C:-Frame material
	D:-Mesh resolution
	Correct Answer:- Option-C
Que	estion86:-In a conventional printing method, if dot on film is 50%, dot on plate is 47%, dot on substrate is 55% and measured dot is 67%. What is the total apparent dot gain
	A:-3%
	B:-8%
	C:-12%
	D:-17%
	Correct Answer:- Option-D

Question87:-The variable dot size element in the test target is used to find
A:-Extent of image growth
B:-Trapping
C:-Density
D:-Banding
Correct Answer:- Option-A
Question88:-Which test element cannot able to distinguish the slur and doubling ?
A:-Star target
B:-Concentric circles
C:-Line tint areas
D:-Overprint patch
Correct Answer:- Option-D
Question89:-Which dot shape is suitable for newspaper printing ?
A:-Round
B:-Concentric circles
C:-Square
D:-Brick
Correct Answer:- Option-A
Question90:-Which of the following specification is not recommended by ISO 12647-2?
A:-Density
B:-Dot gain
C:-Colour value of primary patches
D:-Colour value of overprint patches
Correct Answer:- Option-A
Question91:-Which of the following statements is/are true?  (i) Block binding can be achieved by stitching, gluing or clamping,  (ii) Surface finishing of books can be achieved by printing, foil stamping or spraying.  (iii) Dividing of sheets can be achieved by cutting, die-cutting or perforating.
A:-Only (i)
B:-Only (i) and (ii)
C:-Only (iii)
D:-All the above (i), (ii) and (iii)
Correct Answer:- Option-D
Question92:-Match the following : (i) Gathering (a) Bond linkage (ii) Gluing (b) Positive linkage (iii) Stitching (c) Loose linkage
A:-(i) $-$ (c); (ii) $-$ (b); (iii) $-$ (a)
B:-(i) $-$ (a); (ii) $-$ (c); (iii) $-$ (b)
C:-(i) - (b); (ii) - (a); (iii) - (c)
D:-(i) $-$ (c); (ii) $-$ (a); (iii) $-$ (b)
Correct Answer:- Option-D
Question93:-Which of the following is not a factor influencing cutting resistance while cutting paper in guillotine with?
A:-Sheet size
B:-Pile height
C:-Grain direction
D:-Cutting angle
Correct Answer:-Question Cancelled
Question94:-Which of the following statement is/are not correct ?  (i) Smaller the knife angle, shorter the service life of the knife.  (ii) Hard cutting material requires a small knife angle.  (iii) Lower pressing force is required for a hard cutting product.
A:-Only (i)
B:-Only (ii)

C:-Only (iii)
D:-All the above (i), (ii) and (iii)
Correct Answer:- Option-B
Question95:-A finishing process in which a plastic film is bonded by heat and pressure to a printed sheet to enhance protection or appearance
A:-Die-cutting
B:-Edge staining
C:-Lamination
D:-Embossing
Correct Answer:- Option-C
Question96:-Folding sheets without regard to alignment of headers, footers and other images throughout the signatures
A:-Folding to paper
B:-Folding to print
C:-Fold out
D:-Fold in
Correct Answer:- Option-A
Question97:-Slight but cumulative extension of the edges of each inserted spread or signature beyond the edges of the signature that encloses it resulting in progressively smaller trim size on the inside pages
A:-Collate
B:-Crash
C:-Creep
D:-Case
Correct Answer:- Option-C
Question98:-A method of case binding in which cloth or leather is used for the spine and paper is used for the front and back covers
A:-Quarter binding
B:-Notch binding
C:-Half binding
D:-Full binding
Correct Answer:- Option-A
Question99:-In saddle stitched binding, the extended edge of one side of a signature that is gripped to open the signature to the centre spread to facilitate inserting
A:-Gild
B:-Gutter
C:-Cleat
D:-Lip
Correct Answer:- Option-D
Question100: holds die cut pieces together as they travel through the die cutting machine.
A:-Nick
B:-Creep
C:-Edge
D:-Crossover
Correct Answer:- Option-A