

## FINAL ANSWER KEY

Question 2/2024/OL

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Exam: Offset Printing Machine Operator Grade II

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Department Printing

Question1:-Name an electronic device that measures colour densities of an original, stores it as a digital information for creating further action by manipulating or altering that data

A:-Densitometer

B:-Printer

C:-Scanner

D:-Colourimeter

Correct Answer:- Option-C

Question2:-A type of colourant that dissolves in liquid

A:-dye

B:-vehicle

C:-hue

D:-process colour

Correct Answer:- Option-A

Question3:-Colourant of subtractive primaries can be mixed together in equal proportions to form

A:-Black

B:-RGB

C:-CMYK

D:-Fake colour

Correct Answer:- Option-B

Question4:-Cyan + Magenta + Yellow →

A:-Black

B:-Green

C:-White

D:-Blue

Correct Answer:- Option-A

Question5:-The process by which a scanner monitor or output device is adjusted to provide a more accurate display and reproduction of images

A:-Scanning

B:-Colour separates

C:-Colour mixing

D:-Calibration

Correct Answer:- Option-D

Question6:-Chester carlson invested \_\_\_\_\_ printing process.

A:-Relief

B:-Lithography

C:-Xerography

D:-Screen

Correct Answer:- Option-C

Question7:-Identify the term which is most related to print production work flow

A:-Land marking

B:-Perfecting

C:-Moire

D:-Logistics

Correct Answer:- Option-D

Question8:-\_\_\_\_\_ is a basic requirement for the print media

A:-Money

B:-Literacy

C:-Packing

D:-Transport

Correct Answer:- Option-B

Question9:-The first movable type of printing system in Europe was introduced by

A:-Ira Rubel

B:-Allois senefelder

C:-Johann Gutenberg

D:-Tsai Lun

Correct Answer:- Option-C

Question10:-\_\_\_\_\_ is a measuring device for paper, plate and packing material thickness.

A:-Nanometer

B:-pH meter

C:-Micrometer

D:-Spectrophotometer

Correct Answer:- Option-C

Question11:-When startarget fills is at the center portion indicates

A:-Dot gain

B:-Milling of ink

C:-Blackening

D:-Ghosting

Correct Answer:- Option-A

Question12:-Name the tool used to view dots is a photograph

A:-Microscope

B:-Linentester

C:-Densitometer

D:-UCR

Correct Answer:- Option-B

Question13:-What is NIP?

A:-Non Image Printing

B:-Narrow Image Print

C:-Non Image Plate

D:-Non Impact Printing

Correct Answer:- Option-D

Question14:-\_\_\_\_\_ is the process of dividing colours of a multicolour original into subtractive or printing primaries (CMY)

A:-Colour seperaties

B:-Process colour

C:-Scanning

D:-Colour mixing

Correct Answer:- Option-A

Question15:-Reverse of Relief printing process is \_\_\_\_\_

A:-Xerography

B:-Intaglio printing

C:-Screen printing

D:-Offset

Correct Answer:- Option-B

Question16:-Two sections of Central Processing Unit of a computer are

A:-Mother board and Microprocessor unit

B:-Mother board and SMPS unit

C:-Microprocessor unit and hard disc

D:-ALU and Control Unit

Correct Answer:- Option-D

Question17:-Types of the computer network are

A:-LAN, WAN, MAN

B:-WAN, CAN, LAN

C:-VAN, LAN, MAN

D:-VAN, LAN, CAN

Correct Answer:- Option-A

Question18:-HTML means

A:-Hyper Text Makeup Language

B:-Higher Type Markup Link

C:-Hyper Text Markup Language

D:-Hyper Type Markup Link

Correct Answer:- Option-C

Question19:-Type style without serif is called

A:-Sans serif

B:-Non serif

C:-Serif less

D:-Syan serif

Correct Answer:- Option-A

Question20:-In type point system, one inch =

A:-12 picas

B:-6 picas

C:-6 points

D:-1/72 points

Correct Answer:- Option-B

Question21:-Full form of Microsoft developed document file format RTF is

A:-Raster Tiff Format

B:-Raster Text Format

C:-Rich Text Format

D:-Readable Tiff Format

Correct Answer:- Option-C

Question22:-The technique of changing a black and white, continuous tone image into a multi colour reproduction is called

A:-Posterization

B:-Duetone

C:-Colorization

D:-Dualtone

Correct Answer:- Option-A

Question23:-In a book, the page containing list of books or sources which the author consulted for writing the book is called

A:-Glossary

B:-Appendix

C:-Index

D:-Bibliography

Correct Answer:- Option-D

Question24:-Transfer of business functions to an service provider inside or outside the country is known as

A:-BFT

B:-TBF

C:-BPO

D:-BFO

Correct Answer:- Option-C

Question25:-A paper sheet folded to Octavo size, it produce

A:-4 pages

B:-8 pages

C:-12 pages

D:-16 pages

Correct Answer:- Option-D

Question26:-A printing method in which one plate is used for printing both sides of a sheet without changing the gripper edge

A:-Sheet wise imposition

B:-Work-and-turn

C:-Work-and-Tumble

D:-Signature imposition

Correct Answer:- Option-B

Question27:-Full form of PDF

A:-Printable Document Format

B:-Printable Document File

C:-Portable Document Format

D:-Portable Document File

Correct Answer:- Option-C

Question28:-Roughening process performed for a uniform layer of photo emulsion will adhere onto the plate, is called

A:-Roughening

B:-Graining

C:-Filing

D:-Pursing

Correct Answer:- Option-B

Question29:-A simple plate exposure system consists of a vacuum frame and high intensity light source is called

A:-Light Table

B:-Wirler

C:-Lining up table

D:-Printing down frame

Correct Answer:- Option-D

Question30:-Plate problem causes by under exposure for negative plate is

A:-Dot loss

B:-Scumming

C:-Dot gain

D:-Blinding

Correct Answer:- Option-A

Question31:-Printing plate preparation process in which a digital image is transmitted directly from a computer to a conventional plate is called

A:-CTP

B:-DTP

C:-RIP

D:-CTCP

Correct Answer:- Option-D

Question32:-In typography, the vertical distance between one base line and next base line measured in points unit is called

A:-Tracking

B:-Kerning

C:-Leading

D:-Word spacing

Correct Answer:- Option-C

Question33:-Alteration of a colour created by adding white to the colour

A:-Tint

B:-Gradient

C:-Shade

D:-White balanceing

Correct Answer:- Option-A

Question34:-Image created in illustration programmes which includes straight and curved lines are called

A:-Raster image

B:-Vector images

C:-Pixel images

D:-JPEG images

Correct Answer:- Option-B

Question35:-Half tone screens are measured in

A:-dpi

B:-ppi

C:-Pixels

D:-lpi

Correct Answer:- Option-D

Question36:-A device used to bond a new roll to the end of an existing web on web offset press

A:-Perfector

B:-Gathering

C:-Former

D:-Splicer

Correct Answer:- Option-D

Question37:-Problem that occurs when ink pigment particles bleed into the dampening solution

A:-Scum

B:-Ghosting

C:-Tinting

D:-Mottle

Correct Answer:- Option-C

Question38:-Printing system that prints both sides of the substrate

A:-Perforator

B:-Paster

C:-Common Impression

D:-Perfector

Correct Answer:- Option-D

Question39:-Which is used as cover of a dampening roller that helps to retain fountain solution?

A:-Engraving

B:-Silicon coating

C:-Film

D:-Molleton cover

Correct Answer:- Option-D

Question40:-The resolution of gravure is \_\_\_\_\_ or more lines per inch.

A:-150

B:-100

C:-20

D:-110

Correct Answer:- Option-A

Question41:-The time taken by the doctor roller to contact and receive dampening solution from the fountain

A:-Buffer period

B:-Wetting period

C:-Dwell period

D:-Intermittent

Correct Answer:- Option-C

Question42:-A gear which has its teeth cut at an angle to the axis of shaft

A:-Helical gear

B:-Spur gear

C:-Bevel gear

D:-Ball and Sprocket

Correct Answer:- Option-A

Question43:-Faint images that are part of paper which are visible from both sides of paper

A:-Security thread

B:-Watermark

C:-Number

D:-Security ink

Correct Answer:- Option-B

Question44:-The basis weight of 60 gsm paper with basic size as double demy is 51.6 kg, then its M-weight is

A:-206.4 kg

B:-103.2 kg

C:-25.8 kg

D:-12.9 kg

Correct Answer:- Option-B



Question45:-The principle of half tone block printing was invented by

A:-Henry Cornelli

B:-Alois senefelder

C:-William Henry Fox Tabolt

D:-Fredric Eugene Ives

Correct Answer:- Option-C

Question46:-Vertical Blanket-to-Blanket presses are

A:-CIC presses

B:-Stack presses

C:-Inline presses

D:-Duplicators

Correct Answer:- Option-B

Question47:-Flexography was originally known as

A:-Inline

B:-Anilox

C:-Doctoring

D:-Aniline

Correct Answer:- Option-D

Question48:-Crease formation in paper is due to

A. wrong climatic conditions

B. incorrect machine settings

C. Electrostatic charge in paper

D. Slow ink drying

Choose correct answer

A:-Only A is correct

B:-Only A and B are correct

C:-A, B, C and D are correct

D:-Only B and C are correct

Correct Answer:- Option-B

Question49:-Pigments which are used to allow the background material or ink to be seen

A:-Black pigment

B:-Opaque pigment

C:-White pigment

D:-Grey pigment

Correct Answer:- Option-C

Question50:-Rollers that actually ink the plate during printing

A:-Forme rollers

B:-Fountain roller

C:-Ductor rollers

D:-Distribution roller

Correct Answer:- Option-A

Question51:-Calculate paper required in reams for 2000 notebooks of 200 pages, book size is foolscap quarto

A:-96

B:-12

C:-48

D:-48000

Correct Answer:- Option-A

Question52:-A web printing which uses the gravure process for long run jobs

A:-Common impression

B:-Embossing

C:-Rotogravure

D:-Satellite gravure

Correct Answer:- Option-C

Question53:-Method used to print on the non-porous substrate such as milk cover, candy wraps etc.

A:-Letterpress

B:-Flexography

C:-Offset printing

D:-Screen printing

Correct Answer:- Option-B

Question54:-Which of the following is a non-impact printing?

A:-Ink-jet printing

B:-Letterpress

C:-Flexography

D:-Gravure

Correct Answer:- Option-A

Question55:-The difference between the radius of the cylinder's bearer and the radius of the cylinder themselves

A:-Gutter

B:-Cylinder gap

C:-Under cut

D:-Depression gap

Correct Answer:- Option-C

Question56:-The type of blankets used in high speed machine for printing on boards, coated papers etc,

A:-Sandwich Blanket

B:-Soft Blanket

C:-Medium Blanket

D:-Hard Blanket

Correct Answer:- Option-D

Question57:-The covering ability of an ink

A:-Opacity

B:-Viscosity

C:-Tack

D:-Hue

Correct Answer:- Option-A

Question58:-Ingredient that is added to dampening solution to lower its surface tension

A:-Anti-foaming agent

B:-Wetting agent

C:-Corrosive agent

D:-Foaming agent

Correct Answer:- Option-B

Question59:-The number of threads per linear inch in a fabric is

A:-Mono filament

B:-Screen count

C:-Mesh count

D:-Stencil count

Correct Answer:- Option-C

Question60:-Paper storage device that unwinds paper to keep the press running at the same speed

A:-Detector

B:-Splicer

C:-Roll stand

D:-Festoon

Correct Answer:- Option-D

Question61:-The inks used in flexography which is not toxic

A:-Water based inks

B:-Alcohol based inks

C:-Polyamide inks

D:-VOC

Correct Answer:- Option-A

Question62:-An unwanted accumulation of half tone dots that results in a smeared image

A:-Slur

B:-Moire

C:-Mottle

D:-Hickies

Correct Answer:- Option-A

Question63:-How much paper in 61 × 88 cm will be required for printing of 5000 booklets in A4 size having 48 pages?

A:-60 reams

B:-24 reams

C:-30 reams

D:-15 reams

Correct Answer:- Option-C

Question64:-A chemical change in the body of an ink that occurs during storage

A:-Set-off

B:-Chalking

C:-Brayer

D:-Livering

Correct Answer:- Option-D

Question65:-Test used to check for proper ink mixing

A:-TAPPI 7498

B:-Drawdown Test

C:-Proficiency Test

D:-Tensile Strength Test

Correct Answer:- Option-B

Question66:-Roller which moves up and down as the web offset press runs

A:-Oscillator roller

B:-Ductor roller

C:-Dandy roller

D:-Dancing roller

Correct Answer:- Option-D

Question67:-The gap between the bearer and the cylinder body

A:-Clamp

B:-Shrink

C:-Gutter

D:-Undercut

Correct Answer:- Option-C

Question68:-The device used to measure the thickness of blanket

A:-Densitometer

B:-Ammeter

C:-Detector

D:-Shore durometer

Correct Answer:- Option-D

Question69:-Which type of feeding system is usually seen in High Speed, large offset presses?

A:-Pull type

B:-Push type

C:-Drag type

D:-Gravity type

Correct Answer:- Option-A

Question70:-Popular method of screen printing multicolour images on T-shirts

A:-Multi filament

B:-Carousal units

C:-Tusche and glue

D:-Hand - cut

Correct Answer:- Option-B

Question71:-Which of the following is not included in premake ready checks?

A:-Examine the inking rollers for glaze

B:-Examine the blankets for defects

C:-Image file size and resolution

D:-Check the pH of the fountain solution

Correct Answer:- Option-C

Question72:-\_\_\_\_\_ allows the pressman the facility of changing the cylinder diameter when the printed image size must be changed.

A:-Blanket washing

B:-Plate packing

C:-Printing unit setup

D:-The surface pores of the rubber

Correct Answer:- Option-B

Question73:-Before starting a printing job, we should check the information given in the

A:-Job ticket

B:-Physical properties of paper

C:-Paper calculation

D:-Technical application

Correct Answer:- Option-A

Question74:-Correct press lubrication \_\_\_\_\_ wear on all moving parts and lengthens press life.

A:-Increases

B:-Creases

C:-Preparing

D:-Reduces

Correct Answer:- Option-D

Question75:-Which process remove any static electricity that might be holding individual sheets together

A:-Electron beam

B:-Fanning

C:-Air blast

D:-Setting the gripper bite control

Correct Answer:- Option-B

Question76:-Small particles are torn out of the surface of the paper during the printing process is known as \_\_\_\_\_.

A:-Chalking

B:-Blinding

C:-Picking

D:-Hickies

Correct Answer:- Option-C

Question77:-Which of the following is not a printing problem?

A:-Glazing

B:-Ghosting

C:-Mottling

D:-Slurring

Correct Answer:- Option-A

Question78:-Fire caused by electrical equipments such as motors, switches etc coming under which type of fire?

A:-Class A

B:-Class B

C:-Class C

D:-Class D

Correct Answer:- Option-C

Question79:-Class A fire extinguishers type contains

A:-Carbon dioxide gas under pressure

B:-Bi carbonate of soda solution and sulphuric acid

C:-Solution of aluminium sulfate and bicarbonate of soda

D:-Dry chemical, granular type material

Correct Answer:- Option-B

Question80:-The defect take place in the blanket due to the use of unsuitable chemicals is called

A:-Emulsification

B:-Glazing

C:-Paper sticking

D:-Swelling

Correct Answer:- Option-D

Question81:-Which fold is made at right angle to the preceding fold by changing the direction of the sheet 90° before the second fold is made?

A:-Accordion

B:-Parallel

C:-Right - angle

D:-Left - angle

Correct Answer:- Option-C

Question82:-The false feature about the made end paper is

A:-The made end paper has two fly leaves and one made end leaf

B:-Three folded sheets or six open sheets are used to prepare one made end paper

C:-The fourth end sheet is tipping sheet

D:-This end paper is very simple and used in paper back cover books

Correct Answer:- Option-D

Question83:-A method in which metal wire is forced through the folded edges of a signature and formed into staples to hold the pages together is called

A:-Saddle stitching

B:-Side stitching

C:-Wire rolling

D:-Wire sewing

Correct Answer:- Option-A

Question84:-Which folding machine produces right-angle fold in heavier weight papers?

A:-Knife folder

B:-Buckle folder

C:-Form folder

D:-Nose folder

Correct Answer:- Option-A

Question85:-What is known Quarter Bound book?

A:-When the book is covered with only one material which extends over the whole book

B:-When the spine and corners of the book covered with one material and the sides with another material

C:-Trimming the folded and sewn sheets after putting the suitable paper board cover

D:-When the spine of the book is covered with one material and side is with another material

Correct Answer:- Option-D

Question86:-Method of making holes on paper for binding that are not round is known as

A:-Scoring

B:-Slitting

C:-Slotting

D:-Punching

Correct Answer:- Option-C

Question87:-\_\_\_\_\_ improves the book structure by giving it a convex spine and a concave fore edge.

A:-Cutting

B:-Rounding

C:-Folding

D:-Sticking

Correct Answer:- Option-B

Question88:-Sometimes ink not used and the stock itself creates the raised 3D image after dies that press their image into the paper under great pressure is called as \_\_\_\_\_.

A:-Dry punching

B:-Glide rolling

C:-Blind embossing

D:-Wet striking



Correct Answer:- Option-C

Question89:-Name the finishing process that is not classified under edge decoration

A:-Gilding

B:-Gauffering

C:-Sputtering

D:-Sprinkling

Correct Answer:- Option-C

Question90:-What is a plastic or wooden piece located directly below the cutting blade beneath the table to protect the blade when it touches the table after cutting the paper pile?

A:-Cutting stick

B:-Clamping bar

C:-Gripping finger

D:-Moving rod

Correct Answer:- Option-A

Question91:-Which one of the following is an example for shell and slide carton types?

A:-Ink bottle

B:-Window carton

C:-Cake box

D:-Cigarette pockets

Correct Answer:- Option-D

Question92:-The angle of level of the cutting blade in the Die-cutting machine

A:-15 - 18

B:-8 - 11

C:-21 - 24

D:-5 - 8

Correct Answer:- Option-A

Question93:-The board which is made from layers of virgin chemical pulp sandwiched between layers of mechanical pulp?

A:-SBB

B:-SUB

C:-FBB

D:-WLC

Correct Answer:- Option-C

Question94:-Which one of the following is not a water based adhesive?

A:-Starch

B:-Acrylies

C:-Casein

D:-Latex

Correct Answer:- Option-B

Question95:-Which one of the following is an example for the 2 piece tray carton?

A:-Cake box

B:-Shirt box

C:-Match box

D:-Cigarette box

Correct Answer:- Option-B

Question96:-\_\_\_\_\_ is the process in which the liquid metal like Aluminium is poured into a mold, cooled and solidified.

A:-Casting

B:-Forming

C:-Joining

D:-Rolling

Correct Answer:- Option-A

Question97:-What is the SI unit for Torque/Moment of a force?

A:-Newton

B:-Newton-meter

C:-Pascal

D:-Watt

Correct Answer:- Option-B

Question98:-Which one of the following stores the magnetic flux?

A:-Capacitor

B:-Resistors

C:-Inductors

D:-Battery

Correct Answer:- Option-C

Question99:-An electrical iron carrying 4A at 120 V. Find out the resistance

A:-20 ohms

B:-30 ohms

C:-40 ohms

D:-60 ohms

Correct Answer:- Option-B

Question100:-Trimmed size of A0 sheet is \_\_\_\_\_?

A:- $841 \times 1189$

B:- $210 \times 297$

C:- $1000 \times 1414$

D:- $917 \times 1197$

Correct Answer:- Option-A