Model Papers
of
Vocational Subjects
for
Class 11th (Level-3)

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Model Paper
Class 11th
IT / ITeS
Job Role: Junior Software Developer

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: _____ developed the Python language.

     a) Zim Den   b) Guido Van Rossum

     c) Niene Stom   d) Wick Van Rossum

Q2: Which of the following is not an example of primitive data structure?

     a) Integer   b) character

     c) Float   d) stacks

Q3: In which language is Python written?

     a) English   b) PHP

     c) C   d) All of the above

Q4: The process of making duplicate copies of data, which can be used to restore and recover data is called *Backup*.   *(True/False)*

Q5: The person who creates program is known as *Software*.   *(True/False)*

Q6: Which of the following is not a networking device?

     a) Router   b) Client

     c) Hub   d) Switch

Q7: Full form of ROM is _____.

Q8: In a flow chart _____ indicates the sequence of steps direction of flow.

     a) Start/stop box   b) Flow lines

     c) Decision Box   d) Connector

Q9: How do you receive information on phone?

     a) Listening   b) Speaking

     c) Reading   d) Writing

Q10: Which of the following is a quality of a self-confident person?

     a) Patient   b) Compassionate

     c) Committed   d) Passionate

Section-B **Short Answer Type Questions-I** **2 Marks Each**
(20-40 words each)

Q11: Convert $(42)_{10}$ into binary.

Q12: What is an algorithm?

Q13: Define Virus.

Q14: What is a compiler?

Q15: Write any two key features of Python.

Section-C **Short Answer Type Questions-II** **3 Marks Each**
(50-60 words each)

Q16: What are the types of Non –verbal communication?

Q17: What is computer memory and its types?

Q18: Explain star topology with diagram.

Q19: Difference between stacks and queues.

Q20: What is a relational model?

Section-D **Long Answer Type Questions** **5 Marks Each**
(150-200 words each)

Q21: Define ICT and ITeS. What are the different fields where ICT is used?

Or

Define entrepreneur. What are the steps to understand the market? Give an example.

Q22: Define Computer Network. What are the different types of Computer networks?

Or

What is an Operating System? Write down the various functions of operating system.

Q23: Define the terms:
   a) Primary key
   b) Foreign key
   c) Composite key

Or

Define and describe DBMS. Write down the advantages of DBMS.

Model Paper
Class 11th
Retail
Job Role: Trainee Associate

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1:Identify the subject in the sentence, "The children played football ".
   a. The children   b. Children played
   c. Played   d. Football

Q2:Who is responsible for the success of green economy in the country .
   a. Government   b. Social Workers
   c. Individual citizens   d. All of the above

Q3:In organised sector, the retail units are offer _____ variety of items
   a. Large variety   b. Small variety
   c. Few variety   d. None of these

Q4: _____ is a location where goods and services are exchanged.
   a. Mall   c. Supermarket
   b. Market place   d. Discount store

Q5:The last step in the selling process is _____.
   a. Follow up   b. Closing
   c. Planning   d. None of these

Q6:The term "Entrepreneur" has been derived from the word "entrepredre" which means
   a. To give   b. To undertake
   c. To choose   d. To decide

Q7: _____is the practice in the retail industry of optimizing the presentation of products and services to better highlight the features and benefits:
   a. Merchandiser   b. Visual merchandising
   c. Both a and b   d. None of these

Q8: Solution for waste management in retail is product recycling .***True/False***

Q9:The accidents which takes place in retail stores, may lead to emergencies. ***True/False***

Q10: Emergency conditions in retail include _____.
   a. Insect bite   c. Rat menace
   b. Explosion   d. All of the above

Section-B   **Short Answer Type Questions-I**   **2 Marks Each**
(20-40 words each)

Q11: What are the different types of communication.

Q12: Define Grooming.

Q13: List any two types of retail establishment with examples.

Q14: What is customer service.

Q15: What do you mean by Packaging.

Section-C   **Short Answer Type Questions-II**   **3 Marks Each**
(50-60 words each)

Q16: What are the benefits of working in a team.

Q17: What are the characteristics of a successful Entrepreneur.

Q18: What are the essentials of a skill development.

Q19: What are the various types of labelling.

Q20: Write a short note on waste management in retail.

Section-D   **Long Answer Type Questions**   **5 Marks Each**
(150-200 words each)

Q21: What are different types of communication styles. Explain each with examples.

Or

Explain the role of stakeholders in Green Economy.

Q22: Explain the duties and responsibilities of trainee associate .

Or

Differentiate between organised and unorganised retailing.

Q23: Explain the steps in the process of selling.

Or

Explain Safety measures while displaying the products.

Model Paper
Class 11th
Tourism & Hospitality
Job Role: Customer Service Executive (Meet & Greet)

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: Which of the following is a quality of a self-confident person?

     a) Patient   b) Compassionate

     c) Committed   d) Passionate

Q2: How do you receive information on phone?

     a) Listening   b) Speaking

     c) Reading   d) Writing

Q3: Tourism is a _____ phenomenon?

     a) Local   b) Regional

     c) National   d) All of the above

Q4: Tourism is a permanent and long term movement of people from one place to another. *(True/False)*

Q5: Any person who stays at least 24hrs outside his/her own residence is an excursionist. *(True/False)*

Q6: Houseboat type of accommodation is found in_____&_____?

     a) Kerala   b) Kashmir

     c) Both A & B   d) None of the above

Q7: Full form of F & B is _____.

Q8: One of the best way of greeting is_____

     a) Hi   b) Have you been here before

     c) How may I help you?   d) How are you?

Q9: The customer service executive of a tourism company performs

     a) Airport pick & drop   b) Follow the tourist itinerary

     c) Follow up the bookings   d) All of the above

Q10:_____ allows to provide a remarkable customer experience

     a) Anticipation of guests   b) Forecasting of guests

     c) Receiving the guests   d) Communication with guests

Section-B   **Short Answer Type Questions-I**   **2 Marks Each**
                              (20-40 words each)

Q11: Define Tourism.

Q12: What is MICE Tourism?

Q13: What are the primary constituents of tourism?

Q14: Define Budget hotel.

Q15: Write any two greetings formalities at the time of check-in.

Section-C   **Short Answer Type Questions-II**   **3 Marks Each**
                              (50-60 words each)

Q16: What are the types of Non –verbal communication?

Q17: What is the difference between tourist & excursionist?

Q18: Explain briefly Home stays & Motels.

Q19: Describe briefly the meet & greet process at Airport.

Q20: What is On-Spot booking?

Section-D   **Long Answer Type Questions**   **5 Marks Each**
                              (150-200 words each)

Q21: Define ICT. What are the different fields where ICT is used?

Or

Define entrepreneur. What are the steps to understand the market? Give an example.

Q22: Explain primary & secondary types of accommodation. Give examples for each of them.

Or

What is hotel and differentiate between luxury & budget hotel?

Q23: Define the terms:
   a) Meet & Greet
   b) Travel agent
   c) Tour guide

Or

Explain various protocols for special types of customers and their special needs.

Model Paper
Class 11th
Tourism & Hospitality
Job Role: Food & Beverage Service Steward

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1:Which beverage is used as prominent welcome drink in Kashmir?

    a) Shikangi   b) Lemon Soda Water

    c) Zafrani kahwa   d) Rooh Afza

Q2: The food & cooking tradition of a country is known as ?

    a) Cusine   b) Customs

    c) Culture   d) Tradition.

Q3: The primary function of a Hotel is to provide Lodging Accommodation. *(True /False)*

Q4: Tourism is a permanent and long term movement of people from one place to another. *(True/False)*

Q5: Any person who stays at least 24hrs outside his/her own residence is an excursionist. *(True/False)*

Q6: The Front Office Manager's main duty is to ensure that the Housekeeping Dept. maintains a high standard of cleaned rooms. *(True/False)*

Q7: Full form of FHRAI is _____.

Q8:_____is one of the highest concerns of guests who visit hospitality businesses.

    a) Comfort   b) Security

    c) Location   d) Food & Beverages

Q9: The Chief Steward is responsible for the following functions in a hotel:

    a) Pest Control   b)Sanitation

    c) Maintenance of dish washing machines   d) All of the above

Q10: What is the full form of JKTDC_____

Section-B **Short Answer Type Questions-I** **2 Marks Each**
(20-40 words each)

Q11: Define Hospitality

Q12: What is meant by A la Carte service?

Q13: Write down 5 A's of Tourism?

Q14: What do you understand by Grooming?

Q15: Give one difference between Debit Card & Credit Card.

Section-C **Short Answer Type Questions-II** **3 Marks Each**
(50-60 words each)

Q16: Write short note on Non-Verbal Communication?

Q17: What is menu? Give its importance in brief.

Q18: Give three differences between electrical and manual equipment's used in restaurant.

Q19: Write Short note of waste disposal in restaurant area.

Q20: Write short note on Mise-en place?

Section-D **Long Answer Type Questions** **5 Marks Each**
(150-200 words each)

Q21: What is Green Economy? Discuss the role of different stakeholders in Green Economy

Or

Define entrepreneur. Explain the qualities of a successful Entrepreneur.

Q22: Explain the role of personal hygiene and grooming in Hotel industry.

Or

Discuss the role of Standards in Hospitality industry?

Q23: Discuss the role and procedure of post meal services

Or

Describe the SOP for cleaning of Cutlery, Crockery & Glassware.

Model Paper
Class 11th
Agriculture
Job Role: Organic Grower

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: Which of the following is not true about organic farming

    a) No chemicals are used   b) Environment friendly

    c) Increase the soil health   d) Depletion of soil microbial count.

Q2: Which one is a green manure crop

    a) Maize   b) Paddy

    c) Dhanchia   d) None of the above

Q3: The soil fertility is reduced due to

    a) Poor drainage   b) Imbalanced use of fertilizers

    c) over watering   d) All of the above

Q4: The three primary nutrients needed for plant growth are

    a) N P K   b) C H O

    c) Ca Mg S   d) Zn B Cu

Q5: Which crop possess symbiotic nitrogen fixing bacteria

    a) Cotton   b) Paddy

    c) Maize   d) Pea

Q6: MS Swaminathan is the father of Indian Green Revolution *(True/ False)*

Q7: Weed is an unwanted plant *(True/ False)*

Q8: Full form of RAM

Q9: Full form of CPU

Q10: Pressurized irrigation includes Drip and sprinkle (*True/False*)

Section-B **Short Answer Type Questions-I** **2 Marks Each**
(20-40 words each)

Q11: What is Verbal communication?

Q12: What is Grooming?

Q13: What is Greeting?

Q14: Write two benefits of organic farming.

Q15: What do you mean by natural farming?

Section-C **Short Answer Type Questions-II** **3 Marks Each**
(50-60 words each)

Q16: Write a short note on Renewable resources?

Q17: What is the difference between mobile phone and smart phone?

Q18: Difference between Primary nutrients and secondary nutrients.

Q19: Write three advantages of drip irrigation.

Q20: Write three disadvantages of Sprinkle irrigation.

Section-D **Long Answer Type Questions** **5 Marks Each**
(150-200 words each)

Q21: What is CPU? Explain the parts of CPU.

Or

 Define Entrepreneur and what are the qualities of successful entrepreneur?

Q22: Define organic farming and what are its advantages?

Or

Differentiate between commodity crop and speciality crop?

Q23: Define the following terms and write two advantages of each?

a) Mixed Cropping

b) Intercropping

Or

Define weeds and how can we control weeds biologically?

Model Paper
Class 11th
Agriculture
Job Role: Dairy Farmer

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: Which of the following states has highest per capita milk availability?

   a) Uttar Pradesh   b) Madhya Pradesh

   c) Punjab   d) Haryana

Q2: Which of the following is not an exotic breed of cattle?

   a) Jersey   b) Holstein Fresian

   c) Tharparkar   d) Brown swiss

Q3: In which state is the Toda breed of buffalo found?

   a) Haryana   b) Tamil Nadu

   c) Maharashtra   d) Punjab

Q4: Transportation of aged animals is avoided.   *(True/False)*

Q5: Jersey breed of cow is mainly found in Canada.   *(True/False)*

Q6: For adult buffaloes, floor space requirement (m2) under covered area is

   a) 3.5   b) 4.0

   c) 7.0   d) 8.0

Q7: which of the following animals prefer to wallow in water?

   a) Cow   b) buffalo

   c) Goat   d) Sheep

Q8: Primary symptoms of illness in cattle are.

   a) Lethargy, dull   b) teeth grinding

   c) Decrease   rumination rate   d) All of the above

Q9: PPE stands for?

Q10: For which purpose Biogas is used?

   a) Household cooking   b) Lighting

   c) Power   d) All of the above

Section-B **Short Answer Type Questions-I** **2 Marks Each**
(20-40 words each)

Q11: Write down different body parts of cattle?

Q12: What are the qualities of successful Entrepreneur?

Q13: Write names of the popular crossbred cattle's available in India?

Q14: Define crossbred animals?

Q15: What is calving pen?

Section-C **Short Answer Type Questions-II** **3 Marks Each**
(50-60 words each)

Q16: What are the types of Non –verbal communication?

Q17: What are green skills?

Q18: Principle of animal housing layout?

Q19: what are uses of electric dehorner ?

Q20: What is purposes of animal housing?

Section-D **Long Answer Type Questions** **5 Marks Each**
(150-200 words each)

Q21: Define ICT and ITeS. What are the different fields where ICT is used?
Or
Define entrepreneur. What are the steps to understand the market? Give an example.

Q22: What are the factors for the safe and scientific storage of animal feed?
Or
What are the water requirements of dairy animals?

Q23: Define the terms:
   a) Heifer
   b) Manger
   c) Milking parlour
Or
Define the layout plan of large dairy farm?

Model Paper
Class 11th
Telecommunication
Job Role: Optical Fiber Technician

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: _____ is characterized by a pattern of persistent disregard for and violation of the rights of others.

Q2: Which of these is not a common communication barrier?

    a) Linguistic barrier   b) Interpersonal barrier

    c) Financial barrier   d) Organisational barrier

Q3: A visual fault locator is a visible light source that injects visible light energy into a fibre. *(True/False)*

Q4: The refractive index of core is always greater than the refractive index of cladding. *(True/False)*

Q5: Which of the following is not a networking device?

    a) Router   b) Client

    c) Hub   d) Switch

Q6: For a sine wave, the frequency is represented by the cycle's per_____.

    a) Second   b) Minute

    c) Hour   d) None of the above

Q7: In the structure of fiber, the light is guided through the core due to total internal _____.

    a) reflection   b) refraction

    c) diffraction   d) dispersion

Q8: Which compact light source is used for longer distances and high data transmission rates?

    a) Light emitting diode   b) Laser diode

    c) Zener diode   d) Constant current diode

Q9: Which of the following is used to test a fiber optics splice?

    a) Spectrum analyzer   b) Oscilloscope

    c) Optical power meter   d) Field strength meter

Q10: Which optical devices are adopted or applicable for routing signals from one wave guide to another?

    a) Optical Combiner   b) Optical Splitter

    c) Optical Coupler   d) None of the Above

Section-B   **Short Answer Type Questions-I**   **2 Marks Each**
(20-40 words each)

Q11. Define Snell's law.

Q12.What is an optical connector?

Q13.What is the main purpose of optical fibre splicing machine?

Q14.List the tools and equipment's required for safety precautions in handling the optical fibre?

Q15. Write a short note on Multiplexing?

Section-C   **Short Answer Type Questions-II**   **3 Marks Each**
(50-60 words each)

Q16. Write the advantages and disadvantages of fibre optics?

Q17. Define laser diode. What are the uses of laser diode?

Q18. Differentiate between fusion and mechanical splicing.

Q19. What is route planning for optical fibre cable laying?

Q20. Explain link power budget in fibre optics?

Section-D   **Long Answer Type Questions**   **5 Marks Each**
(150-200 words each)

Q21. What are different communication styles? Explain each with examples.

Or

Write down the seven factors affecting perspectives in communication. Explain with examples.

Q22. Explain the working principle of fiber optics. Illustrate with suitable diagram.

Or

Explain the different types of fibres based on modes of propagation.

Q23. Write a short note on following terms:

   a) Fusion Splicing

   b) Mechanical Splicing

   c) Bare fibre test

Or

Discuss the reliability and quality of Optical Time Domain Reflectometer.

Model Paper
Class 11th
Media & Entertainment
Job Role: Texturing Artist

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: Tints are obtained by adding _____to a pure hue.

Q2: Primary colour for Print Media colour wheel are Cyan, Magenta, _____and

Key.

Q3: _____ is how light or dark and image is.

Q4: A_____Shot makes the object clicked seem smaller and less significant.

Q5: The tool that helps in moving objects in a given layer around the adobe Photoshop

canvas is   *(Move tool/Crop tool)*

Q6: RGB Colour mode can display

    a. Millions of Colours   b. 256 Colours

    c. 256 gray Shades   d. Four Printed colour

Q7: Short cut for Zoom tool in Photoshop is

    a. H   b. A

    b. Z   d. T

Q8: You can edit each layer with in a Photoshop project independently

(True / False)

Q9: Red light has a longer wavelength compared to blue light

(True/False)

Q10: A low key image contains predominantly dark tones and colours

(True/ False)

Section-B   **Short Answer Type Questions-I**   **2 Marks Each**
(20-40 words each)

Q11: List any four Menu options available in Libre office writer.

Q12: What are the two advantages of using a header or footer in a word processor document?

Q13: Define the following terms
   i.   Opacity   ii.   Pixel

Q14: Define the following terms

   i.   High Key   ii.   Low Key.

Q15: Write short note on lighting in photography?

Section-C   **Short Answer Type Questions-II**   **3 Marks Each**
(50-60 words each)

Q16: Write down the three factors affecting perspectives in communication.

Q17: What is word processor? List any two advantages of using a word processor.

Q18: Write a short note on RGB Colour Model?

Q19: What is a difference between Crane shot and Aerial shot?

Q20: Define three kinds of graphics that we generally work on in adobe Photoshop software.

Section-D   **Long Answer Type Questions**   **5 Marks Each**
(150-200 words each)

Q21: Describe the functions of any five drawing and painting tools of Adobe Photoshop

Or

Explain any three of the following.
   i.   Dissolve
   ii. Darken
   iii. Colour burn
   iv. Linear burn
   v.   Screen

Q22: Explain the meaning of any five terms related to colour Theory.

Or

Differentiate between analogous and complementary colour schemes.

Q23: Write a short note on
   i.Character design   ii. Animatic.

Or

Detail out the various types of camera shots and camera movements.

Model Paper
Class 11th
Beauty and Wellness
Job Role: Beauty Therapist

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: Epidermis is the _____ layer of the skin
   (a) lower most   (b) outermost
   (c) middle   (d) None of the above

Q2: Which of the following is a depletion service?
   (a) Waxing   (b) Threading
   (c) Both   (d) None

Q3: Which of the following is the muscle of the neck?
   (a) Latissimus dorsi   (b) Temporalis
   (c) Caninus   (d) Supine

Q4: Manicure is a treatment for improving the appearance
of _____.
   (a) hands   (b) feet
   (c) toenails   (d) face

Q5: _____ helps in improving the appearance of feet and toenails.
   (a) Threading   (b) Hairstyle
   (c) Pedicure   (d) Bleaching

Q6: Unisex salons offer Beauty and Wellness services to
_____.
   (a) men   (b) women
   (c) both (a) and (b)   (d) None of the above

Q7: Which of the following is included in the values of an entrepreneur?
   (a) Confidence   (b) Independence
   (c) Perseverance   (d) All of the above

Q8: Which shortcut key is used to create a new document?
   (a) Ctrl+ c   (b) Ctrl + n
   (c) Ctrl + m   (d) Ctrl + d

Q9: How do you receive information on phone?
   (a) Listening   (b) Speaking
   (c) Reading   (d) Writing

Q10: Which of the following is a quality of a self-confident person?
   (a) Patient   (b) Compassionate
   (c) Committed   (d) Passionate

Section-B **Short Answer Type Questions-I** **2 Marks Each**
(20-40 words each)

Q11: Who is an entrepreneur? Give an example.

Q12: Name any two tools that need to be sterilized

Q13: What is a blackhead?

Q14: List the different types of hair.

Q15: Define Pedicure.

Section-C **Short Answer Type Questions-II** **3 Marks Each**
(50-60 words each)

Q16: What is the purpose of waxing?
Q17: What are the advantages of bleaching? (Any three)
Q18: Write a short note on after care advice for Manicure
Q19: Write down benefits of threading?
Q20: Write down the names of tools and equipment used in pedicure

Section-D **Long Answer Type Questions** **5 Marks Each**
(150-200 words each)

Q21: Explain any five functions of the skin

Or

Explain the step-by-step procedure for performing skin analysis.

Q22: Write down the detailed procedure of Pedicure?

Or

Write a note on contra-indications that prevent the Manicure treatment?

Q23: What qualities should a good leader posses

Or

What is time management and how can you manage your time?

Model Paper
Class 11th
Fitness Trainer
Job Role :Physical Education and Sports

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: Green development enhances ……………. development.

Q2: Flash memory is………….. type of memory.

Q3: Physical Fitness is not necessary for a sports person. (True/False)

Q4: Physical means or resembles human body. (True/False)

Q5: Flexibility is …………….of physical fitness.

Q6: Prime responsibility of a physical fitness trainer is

  (a) Physical Development   (b) Mental Development

  (c) Social Development   (d) All round Development

Q7: Olympic 2020-21games were held at.

  (a) Tokoya   (b) Belgium

  (c)   Delhi   (d) Mumbai

Q8: Essential Quality needed for a successful Physical Trainer.

  (a) Disciplined   (b) Passionate

  (c) Honest and loyal   (d) Motivator

Q9: The process of controlling and managing is known as

  (a) Management   (c) Communication
  (b) Development   (d) Entrepreneurship

Q10: Treadmill is used mainly/especially

  (a) Coaching Centers   (b) Tailoring Centers

  (c)   Gym Centers   (d) CSC Centers

Section-B **Short Answer Type Questions-I** **2 Marks Each**
(20-40 words each)

Q11: What do you mean by physical fitness?

Q12: What is muscular endurance?

Q13: Personal trainer means?

Q14: Write any four duties of physical trainer in a school?

Q15: What is sports management?

Section-C **Short Answer Type Questions-II** **3 Marks Each**
(50-60 words each)

Q16: What are the career opportunities in health and fitness field?

Q17: Summaries the very noble qualities required to become a good fitness trainer?

Q18: List out the different equipments used in health and fitness centers?

Q19: What are the basic principles of good management?

Q20: Discuss the various benefits of physical fitness?

Section-D **Long Answer Type Questions** **5 Marks Each**
(150-200 words each)

Q21: What is communication and its types of communication?

Or

Explain grooming. Give the guidelines for proper dressing and grooming?

Q22: Discuss in detail the Physical fitness and its essential components?

Or

Write down the benefits of Physical Fitness for sports person?

Q23. The role of fitness institutions in today's life. Justify with Examples?

Or

Need and importance of management in establishing fitness center. Describe?

Model Paper
Class 11th
Automotive
Job Role:Automotive Service Technician

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: A drawing is a graphical representation of a _____.
  (a) real object   (b) mirror object
  (c) projection   (d) None of the above

Q2: The drawing scale is also called _____.
  (a) representative fraction (RF)   (b) projection factor
  (c) geometric fraction   (d) None of the above

Q3: Which automotive fastener(s) is (are) used for holding or connecting two or more objects in a machine?
  (a) Nuts and bolts   (b) Wooden keel
  (c) Fibre joint   (d) None of the above

Q4: Mechanical properties of alloy steel, such as yield strength, ductility, are improved by
  (a) alloying   (b) welding
  (c) quenching   (d) moulding

Q5: Which measuring instrument is used to measure internal and external distances precisely?
  (a) Vernier calliper   (b) Spring joint meter
  (c) Micrometer   (d) None of the above

Q6: Gear box is placed between _____.
  (a) clutch and propeller shaft or differential   (b) rear axle and engine
  (c) connecting rod and crank shaft   (d) None of the above

Q7: In motorcycles, lubricating oil should be changed after _____.
  (a) 2,000–3,500 km   (b) 4000–5000 km
  (c) 7000–8000 km   (d) None of the above

Q8: Which of these is not a component of the gearbox?
  (a) Gear linkage   (b) Gear lever
  (c) Gear shifter lock   (d) Piston

Q9: How do you receive information on phone?
  (a) Listening   (b) Speaking
  (c) Reading   (d) Writing

Q10: Which of the following is a quality of a self-confident person?
  (a) Patient   (b) Compassionate
  (c) Committed   (d) Passionate

Section-B   **Short Answer Type Questions-I**   **2 Marks Each**
                                        (20-40 words each)

Q11: .What is the importance of scale in making an engineering drawing?

Q12: Why must leakages be controlled?

Q13: List the steps to be followed while washing the engine.

Q14: What is the function of a gearbox?

Q15: Why are vehicle brakes necessary?

Section-C   **Short Answer Type Questions-II**   **3 Marks Each**
                                        (50-60 words each)

Q16: What are the types of Non –verbal communication?

Q17: Differentiate between glass and rubber.

Q18: Give the steps to remove broken or spoiled threaded studs.

Q19: What are the differences between disc wheels and alloy wheels.

Q20: What is the importance of a transmission system?

Section-D   **Long Answer Type Questions**   **5 Marks Each**
                                        (150-200 words each)

Q21: Define ICT and ITeS. What are the different fields where ICT is used?

Or

Define entrepreneur. What are the steps to understand the market? Give an example.

Q22: Explain the procedure for determining the least count of vernier caliper.

Or

How do you determine the least count of micrometer?

Q23: What is hub greasing?

Or

Differentiate between wheel hub and wheel axle?

Model Paper
Class 11th
Apparel Made-ups and Home Furnishing
Job Role :Specialized Sewing Machine Operator

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: Which garment production system, involves tailor alone Making a complete garment?

    a) Progressive bundle system   b) Modular Production system

    c) Unit production system   d) Make Through system

Q2: In which type of production system the unit cost of production is low.

    a) Combined production   b) Continues production

    c) Intermittent production   d) Custom production

Q3: _____ process chart is a graphic representation of the sequence of all the operations and inspections involved in a process or procedure?

    a) Operation   b) Outline

    c) Travel   d) Flow process

Q4: _____ is not a type of thread?

    a) Rayon   b) Polyester

    c) Cotton   d) Plastic

Q5: Machine sewing needles are available from sizes ____ to _____.

    a) (9,18)   b) (8,18)

    c) (7,18)   d) (9,19)

Q6: Which part of the machine has to be in the "down" position before you can sew?

    a) The take up lever   b) The Presser foot

    c) The needle   d) The hand wheel

Q7: JUKI AB – 1351 is not the world's first belt-loop attaching machine.

    (**True /False)**

Q8: This controls the speed of the machine

    a) gas pedal   b) presser foot

    c) speed stick   d) length dial

Q9: How do you receive information on phone?

    a) Listening   b) Speaking

    c) Reading   d) Writing

Q10: Which of the following is a quality of a self-confident person?

    a) Patient   b) Compassionate

    c) Committed   d) Passionate

Section-B **Short Answer Type Questions-I** **2 Marks Each**
(20-40 words each)

Q11: Define unit production system?

Q12: What is pre-production process in garment industry?

Q13: Write any two steps in trouser manufacturing?

Q14: Define Thread?

Q15: What is button sewing machine?

Section-C **Short Answer Type Questions-II** **3 Marks Each**
(50-60 words each)

Q16: What are the types of Non-Verbal Communication?

Q17: What type of system is most widely used in garment industry?

Q18: Describe the different points of sewing machine needles?

Q19: How many threads are used in overlock machine?

Q20: What is the importance of cleaning and oiling the sewing machine?

Section-D **Long Answer Type Questions** **5 Marks Each**
(150-200 words each)

Q21: Define ICT. What are the different fields where ICT is used?

Or

Define entrepreneur. What are the steps to understand the market? Give an example.

Q22: What are the different types of threads and their uses?

Or

Explain the different parts of a sewing machine needle in detail.?

Q23: Why health and hygiene is the most important?

Or

What is maintenance & its types?

Model Paper
Class 11th
Electronics & Hardware
Job Role:Field Technician-Air Conditioner

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1: Which of the following is not a communication style

   a) Manipulative   b) Assertive

   c) Preemptive   d) submissive

Q2: A pointed finger may be a gesture of accusation *(True/False)*

Q3: The frame of an induction motor is usually made of ?

   a) Silicon steel   b) Caste iron

   c) Aluminum   d) Bronze

Q4: The formula_____ gives the maximum power transferred to load .

Q5: Which of the following is a valid point of schottky diode?

   a) Has high voltage drop   b) Low switching

   c) Has low voltage drop   d) None of them

Q6: Diode works in _____ Bias.

Q7: The distance between TDC and BDC is called as

    a) Piston   b) Bore

    c) Stoke   d) None of the mentioned

Q8: Mean effective pressure is the ratio of work done per cycle to the stroke volume

compressor   *(True/False)*

Q9: Which chemical is used in fire extinguishers?

Q10: OSHA stands for

 a) Occupational Safety & Health Act   b) Occupational Safety & Health Assurance

c) Occupational Safety & Health Administration   d) None of the mentioned

Section-B   **Short Answer Type Questions-I**   **2 Marks Each**
(20-40 words each)

Q11: What do you mean by suction stroke.

Q12: Name the internal parts of a compressor?

Q13: Enlist the basic tools which hepls in AC installation?

Q14: Write down two advantages of R290 Refrigrant?

Q15: What is the full form of PPE? What is it used for?

Section-C   **Short Answer Type Questions-II**   **3 Marks Each**
(50-60 words each)

Q16: What is the importance of grooming oneself in self-management?

Q17: Draw the circuit diagram of a series RLC circuit. Write down two advantages of this circuit.

Q18: Explain how transistor acts as an amplifier?

Q19: Write down three factors that affect the compressor efficiancy?

Q20: What is the importance of consumer awareness about the product details and sepacifications?

Section-D   **Long Answer Type Questions**   **5 Marks Each**
(150-200 words each)

Q21: Explain the role of government and private agencies in saving the environment.
Or
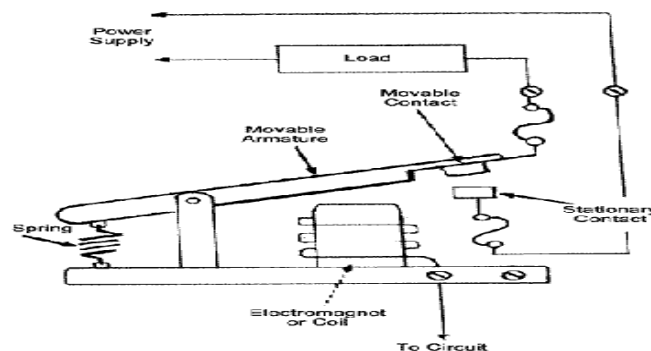What is E- Waste Management? In your opinion what is the best way to manage this waste?

Q22: Derive the expression for maximum power transferred to load R_L.
Or
Draw the circuit diagram of a DC Motor and explain it's working.

Q23: From the given figure, explain the functions and operations of each part of the Relay.

Or

Give Construction and explain the working of a Field Effect Transistor.

Model Paper
Class 11th
Plumbing
Job Role: Plumber General-II

Maximum Marks: 50   **Time: 2:30 Hours**

Section-A   **Very Short Answer Type Questions**   **1 Mark Each**

Q1:Geyser is used for:

(a) Heating the water   (b) Cooling the water

(c) Storing the water   (d) None of these

Q2: The distance between the lowest point of a water inlet or pipe to a tank and The over flowing level of the tank is called_____.

Q3: A common problem in waste system is stoppage of waste. *(True/False)*

Q4: Measuring tape is used to measure?

a) Length   b) Breadth

b) Height   d) All of the above

Q5: Bibcock is commonly referred to as the tap or faucet and it is frequently used in water supply.   *(True/False)*

Q6: Which tool is designed to deliver high torque output with minimal exertion by the user

a) Impact wrench   b) Air ratchet wrench

c) Pneumatic torque wrench   d) None of the above

Q7: A _____ repair is defined as a repair which can be achieved while maintaining a nominal pressure in the pipeline.

Q8: Pipe corrosion is a process that results in a reduction of _____of the wall of a metal pipe

Q9: How do you receive information on phone?

a) Listening   b) Speaking

c) Reading   d) Writing

Q10: Which of the following is a quality of a self-confident person?

a) Patient   b) Compassionate

c) Committed   d) Passionate

Section-B **Short Answer Type Questions-I** **2 Marks Each**
(20-40 words each)

Q11: Define faucet.

Q12: What are the common sanitary fitting and fixtures?

Q13: What are fitting tools?

Q14: What are the precautions during handling power tools?

Q15: Write down a repair of bathtub faucet.

Section-C **Short Answer Type Questions-II** **3 Marks Each**
(50-60 words each)

Q16: What are the types of Non –verbal communication?

Q17: Write down the steps for changing shower heads.

Q18: Differentiate between bench vice and pipe vice.

Q19: Define power wrench and its types.

Q20: What are the causes of damage to the pipeline in plumbing system?

Section-D **Long Answer Type Questions** **5 Marks Each**
(150-200 words each)

Q21: Write down the steps of installation of a wall hung fixture.

Or

Write down the procedure for solvent cementing PVC pipes.

Q22: What steps do we have to take for sustainable development?

Or

What is wage employment? What is the difference between self-employment and wage employment?

Q23: What are the various methods of site management in pipe repair?

Or

What are the defects and causes of Stopcock?