



AMIE STUDY CIRCLE
SINCE 1994

STUDY MATERIAL (MCQ) FOR DGMS AND PSU EXAMS

MINE MANAGEMENT, LEGISLATION & SAFETY

- Warm Up Questions
- Questions from DGMS Exams



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CITY PRIDE COMPLEX, CIVIL
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- (b) Taking care of the safety of person injured
- (c) More carefulness of supervisory staff
- (d) All of the above*

Accident has occurred in a depillaring district due to fall of roof in a slice, in which one person was killed.

986. In the above accident the case is
- (a) Supporting not done properly*
 - (b) Bad roof condition
 - (c) Dressing not done properly
 - (d) All of the above

987. The main cause of accident is
- (a) SSR not followed
 - (b) Quality of the support was bad
 - (c) Both of the above*
 - (d) None of the above

988. Contravention of Regulations in the above case is
- (a) Reg. 100
 - (b) Reg. 108*
 - (c) Reg. 100 (dressing)
 - (d) None of the above

989. Responsibility goes to
- (a) Mining Sirdar
 - (b) Over-man
 - (c) Both Mining Sirdar and Over-man*
 - (d) Neither Over-man nor Mining Sirdar

990. Prevention of such accident is possible by
- (a) Strictly following the SSR
 - (b) Improving the quality of support
 - (c) Improving the workmanship of supporting
 - (d) All of the above*

As soon as drilling started, a drill machine in the rise gallery of 8 development district

996. A person is said to be not employed in the mine
- (a) who works as a manager
 - (b) who works under appointment by the Manager
 - (c) who works in any office of the mine

of Deg-III coal seam, explosion of firedamp took place. One of the driver was killed & others injured.

991. In the above case, the cause is
- (a) Accumulation of gas more than 1.5%
 - (b) Poor ventilation
 - (c) Occurrence of heavy spark due to drilling
 - (d) All of the above*

992. In the above case, who is responsible?
- (a) Driller
 - (b) Mining Sirdar*
 - (c) Overman
 - (d) All of them

An accident had occurred in an O/C mines due to -fall of dumper from haul road to lower bench, in which one worker was killed.

993. In given case what is the cause of accident
- (a) Negligence of the driver
 - (b) Driving at high speed
 - (c) Failure of break
 - (d) No provision of Traffic Rules
 - (e) Any of the above*

994. In the above case, contravention was
- (a) Dumper driven at very high speed
 - (b) Non following of TR
 - (c) Carelessness of the operator
 - (d) All of the above*

QUESTIONS FROM DGMS EXAMS

995. Responsibility in the above case goes to
- (a) Dumper operator himself
 - (b) The Mining Sirdar of the district
 - (c) The Overman of the district
 - (d) All of them*
 - (d) who works as a pump operator in a residential colony belonging to the mine*
 - (e) who works in siding with in premises of the mine
- (DGMS FCMC/COAL 2015)

997. Registers of leave with wages of every employee shall be maintained in

- (a) Form G & H*
- (b) Form C & D
- (c) Form A & B
- (d) Form C & B
- (e) Form-B & D

(DGMS FCMC/COAL 2015)

998. Who will test the breathing apparatus before proceeding for below ground rescue work

- (a) Manager
- (b) Asst. Manager
- (c) Instructor
- (d) Superintendent
- (e) Leader of rescue team*

(DGMS FCMC/COAL 2015)

999. Who should propose a draft by law?

- (a) The Chief Inspector
- (b) Inspector of Mines
- (c) Owner of the Mine*
- (d) Sec.12 Committee
- (e) Safety Committee

(DGMS FCMC/COAL 2015)

1000. Notice of abandonment shall be given to the following authorities

- (a) CIM only
- (b) RIM only
- (c) DM only
- (d) To all the above*
- (e) To none of the above

(DGMS FCMC/COAL 2015)

1001. In respect of every person killed or injured in an accident, particulars shall be given to the Mil in

- (a) Form-I
- (b) Form-IVA
- (c) Form-III
- (d) Form-II
- (e) Form-IVB*

(DGMS FCMC/COAL 2015)

1002. Capacity of a coal mine shall not be less than tonnes per month for the experience to be

qualified for Manager's exam
(a) 700

(b) 800

(c) 1000*

(d) 500

(e) 600

(DGMS FCMC/COAL 2015)

1003. Minimum age for having appointed as Manager of a coal mine is

(a) 21

(b) 18

(c) 23*

(d) 19

(e) 20 (DGMS FCMC/COAL 2015)

1004. Minimum qualification for appointment as Manager of a coal mine with a production of 10000 tonnes per month and employ 500 or more persons daily

(a) Second Class

(b) First Class*

(c) Holder of Manager's Permit

(d) Degree in Mining Engineering

(e) Surveyor's Certificate

(DGMS FCMC/COAL 2015)

1005. Minimum qualification of person for appointment as a Safety Officer of a mine with an average monthly production of 13000 tonnes is

(a) First Class

(b) Second Class

(c) Degree in Mining Engineering

(d) Diploma in Mining Engineering

(e) First Class/Second Class*

(DGMS FCMC/COAL 2015)

1006. Duties of Manager under CMR. 1957/2017 does include

(a) maintaining of crèche in mine

(b) maintaining pit-head bath

(c) maintaining canteen

(d) maintaining law and order in the mine

(e) take steps to ensure every competent persons carries out his duties*

(DGMS FCMC/COAL 2015)

1007. Choose the incorrect ____ the duty of Ventilation Officer shall include

(a) advise manager regarding day to day problem of ventilation

(b) carry out ventilation survey

- (c) check the amperage drawn by the electric motor connected to MMV
 - (d) check the water gauge in the fan drift in 7 days*
 - (e) determine efficiency of MMV once in every three months
- (DGMS FCMC/COAL 2015)

1008. To regularly visit returns of working district is a duty of

- (a) Manager
 - (b) Asst. Manager
 - (c) Safety Officer
 - (d) Ventilation Officer*
 - (e) Overman
- (DGMS FCMC/COAL 2015)

1009. The features to be shown on underground plan maintained under Reg.59(a)(b) of CMR. 1957 shall not include

- (a) general direction and rate of deep of strata
 - (b) every fault with amount and direction of throw
 - (c) abstract of all statutory restrictions
 - (d) general direction of air current*
 - (e) every river within 200m any working
- (DGMS FCMC/COAL 2015)

1010. When the shaft is more than — m in depth, arrangements by mechanical means shall be made

for ascending or descending of persons

- (a) 100 m
 - (b) 50 m
 - (c) 10 m
 - (d) 30 m*
 - (e) 500 m
- (DGMS FCMC/COAL 2015)

1011. An automatic contrivance shall be provided in every shaft exceeding metres in depth

- (a) 50 m
 - (b) 75 m
 - (c) 100 m*
 - (d) 80 m
 - (e) 90 m
- (DGMS FCMC/COAL 2015)

1012. Height of waste dump shall not ordinarily exceed

- (a) 60 m
 - (b) 70 m
 - (c) 80 m
 - (d) 90 m*
 - (e) 100 m
- (DGMS FCMC/COAL 2015)

1013. The CIM or an Inspector of Mines, after his inspection shall enter the contravention in Form

- (a) I
 - (b) II
 - (c) Form IVA
 - (d) Form V
 - (e) Form VI*
- (DGMS FCMC/COAL 2015)

1014. The notice in writing shall be submitted to electrical Inspector of Mines not less than

Days to bring into use the new electrical installation in the mines.

- (a) 30 days
 - (b) 15 days
 - (c) 10 days
 - (d) 7 days*
 - (e) 20 days
- (DGMS FCMC/COAL 2015)

1015. Minimum clearance above ground of the lowest conductor of overhead line where dumpers are operated shall be

- (a) 3 meters
 - (b) 4 meters
 - (c) 6 meters
 - (d) 12 meters*
 - (e) 10 meters
- (DGMS FCMC/COAL 2015)

1016. In case of portable hand lamps in underground working the voltage shall not exceed

- (a) 110 V
 - (b) 220 V
 - (c) 30 V*
 - (d) 90 V
 - (e) 50 V
- (DGMS FCMC/COAL 2015)

1017. What %age of installed roof bolt shall be subjected to destructive testing ?

- (a) 1%*
- (b) 2%
- (c) 5%
- (d) 9%
- (e) 10%

(DGMS FCMC/COAL 2015)

1018. Which of the qualifications are not essential for a trainer under MVT Rules 1966

- (a) Attended six lectures on safety in mines
- (b) Persons with safety minded
- (c) Persons with skilled and experienced
- (d) Persons having aptitude for giving guidance
- (e) A degree holder*

(DGMS FCMC/COAL 2015)

1019. As per M.V.T. Rules, every persons who under goes training and after satisfactory performance he shall be granted certificate in

- (a) Form A*
- (b) Form C
- (c) Form D
- (d) Form E
- (e) Form F

(DGMS FCMC/COAL 2015)

1020. Concentration of CO at any place of working shall not be more than ppm

- (a) 100
- (b) 1000
- (c) 50*
- (d) 200
- (e) 250

(DGMS FCMC/COAL 2015)

1021. Notice of change of address of owner shall be submitted within _____ days to _____ & _____.

- (a) 7, CIM, RIM*
- (b) 15, CIM, DM
- (c) 7, CIM, DM
- (d) 60, CIM, RIM
- (e) 30, CIM, RIM

(DGMS FCMC/COAL 2015)

1022. At below ground mine, at least how many legible rescue tracings have to be kept available

- (a) 0
- (b) 1
- (c) 2
- (d) 3*
- (e) None of the Options

(DGMS FCMC/COAL 2015)

1023. No. of persons in a rescue team using breathing apparatus shall comprise

- (a) Not less than 3 and not more than 5
- (b) not less than 5 and not more than 6*
- (c) not less than 2 and not more than 3
- (d) not less than 7 and not more than 10
- (e) not less than 7 and not more than 8

(DGMS FCMC/COAL 2015)

Correction Answer : Option No.(b)

1024. Leader of a rescue team engaged in rescue work shall take clear instructions from

- (a) Rescue Superintendent and Manager
- (b) Rescue Superintendent and Asst. Manager
- (c) Instructor and person authorised by him
- (d) Rescue Superintendent and person authorised by him*
- (e) General Manager

(DGMS FCMC/COAL 2015)

1025. Regulations are made under Sec.57 shall be laid before each house of parliament while it is in session for a total period of

- (a) 2 months
- (b) 6 months
- (c) 3 months
- (d) 30 days*
- (e) 15 days

(DGMS FCMC/COAL 2015)

1026. Which of the following is not under the purview of committee constituted under Sec.12?

- (a) consider the proposal for making rules and regulations
- (b) enquire into accidents referred to it by the Central Govt.
- (c) enquire into the accidents referred to it by the Chief Inspector*

(d) to hear and decide such appeals or objections against notices or orders under the act

(e) enquire into such other matter referred to it by Central Govt.

(DGMS FCMC/COAL 2015)

1027. For every rope in use or intended for use, the certificate required to be obtained from the manufacturer or supplier of rope shall not require to include

(a) breaking load of the rope

(b) construction of the rope

(c) diameter of the rope

(d) type of capel to be used*

(e) Quality of the rope

(DGMS FCMC/COAL 2015)

Correction Answer : Option No.(d)

1028. What should be the minimum distance between centres of adjacent pillars with 4.2m width of gallery and depth of working being 200m from surface

(a) 22.5 m

(b) 30.5 m*

(c) 34.5 m

(d) 39.5 m

(e) 45.0 m

(DGMS FCMC/COAL 2015)

1029. Which of the following information/document shall not require to be provided while applying for permission to work under railways :

(i) position of mine working in relation to the railway

(ii) manner in which operation is proposed to carried out

(iii) limits to which it is proposed to carry out the operation

(iv) to submit two copies plans showing existing and proposed mining operations

(vi) Proposed protective works

(a) i

(b) ii

(c) iii

(d) iv

(e) v*

(DGMS FCMC/COAL 2015)

1030. Rescue Room shall be established when more than persons employed, and rescue

station shall be within a radius of km

(a) 500 & 50

(b) 100 & 35*

(c) 200 & 35

(d) 300 & 50

(e) 100 & 50

(DGMS FCMC/COAL 2015)

1031. All electric lamp shall be enclosed in

(a) Flameproof enclosures type 'e' *

(b) Intrinsically Safe circuit

(c) Non FLP

(d) Flameproof enclosure type 'a'

(e) Colliery made enclosures

(DGMS FCMC/COAL 2015)

1032. Which two of the following statements are correct for setting of supports with a designed setting load usually?

1. to provide positive thrust against the roof

2. To increase the support capacity

3. To reduce the breakdown of the support

4. Not to allow separation of bedding plane

5. To withdraw support easily

(a) 1 & 2

(b) 2 & 3

(c) 3 & 4

(d) 4 & 5

(e) 1 & 5*

(DGMS FCMC/COAL 2015)

1033. In case of gassy mine of the third degree, electric welding apparatus may be used underground only if permission from Is obtained

(a) CIM

(b) RIM*

(c) Manager

(d) Agent

(e) Safety Officer

(DGMS FCMC/COAL 2015)

1034. Which of the following statement is wrong . The incombustible dust used for treatment of coal dust shall

(a) not contain more than 5% of free silica content

(b) be readily dispersible in air

- (c) not cake
 - (d) be light in colour
 - (e) be able to absorb moisture*
- (DGMS FCMC/COAL 2015)

1035. Light stone dust barrier shall be loaded with not more than — kg Dust per metre of shelf length, total quantity of stone dust in the barrier shall not be less than of — kg stone dust per square meter of cross section.

- (a) 30, 390
- (b) 30, 110*
- (c) 60, 110
- (d) 60, 390
- (e) 45, 110

(DGMS FCMC/COAL 2015)

1036. Heavy type of stone dust barrier shall be loaded with not more than — kg Dust per metre of shelf length, total quantity of stone dust in the barrier shall not be less than of — kg stone dust per square meter of cross section.

- (a) 30, 390
- (b) 30, 110
- (c) 60, 110
- (d) 60, 390*
- (e) 45, 110

(DGMS FCMC/COAL 2015)

1037. In bord and pillar working, only — type stone dust barrier may be provided at a distance of not less than — m from nearest working and not more than — m from the farthest working.

- (a) Heavy, 135, 365*
- (b) Light, 135, 365
- (c) Heavy, 180, 320
- (d) light, 180, 320
- (e) heavy, 145, 345

(DGMS FCMC/COAL 2015)

1038. What shall be the minimum velocity of air current at 4.5 m from any face in the intake side in 3rd degree mines

- (a) 20 m/min
- (b) 40 m/min
- (c) 35 m/min
- (d) 45 m/min*
- (e) 30 m/min

(DGMS FCMC/COAL 2015)

1039. As per M.V.T. Rules 1966 what is full day release system of training

- (a) Releasing a group of batch of workers belonging to the same trade at the end of shift
- (b) Releasing a group of batch of workers belonging to the same trade, class or category from normal work*
- (c) Releasing a group of batch of workers belonging to the same mine at the beginning of the shift
- (d) Releasing a group or batch of workers belonging to the other mine to carry tailing
- (e) Releasing a group or batch of workers belonging to the same trade or class or category to attend training at the middle of the shift.

(DGMS FCMC/COAL 2015)

1040. A dumper operator is required to undergo the practical and on the job training for — Days.

- (a) 5
- (b) 10
- (c) 15
- (d) 20
- (e) 24*

(DGMS FCMC/COAL 2015)

1041. What is Pay back method?

- (a) The payback method of a project is to recover all investments in 2 years time
- (b) The payback method is method of evaluating a project by measuring the time it will take to recover the initial investment.*
- (c) The payback method of a project is to recover all investments in 7 years time
- (d) The payback method of a project is to recover all investments in 10 years time
- (e) The payback method of a project is to recover all investments in 5 years time

(DGMS FCMC/COAL 2015)

1042. No working shall be extended to a distance of more than — from the nearest ventilation connection unless the air is coursed upto a point — within of the face.

- (a) 5 m, 5 m
- (b) 5 m, 10 m

- (c) 4.5 m, 5m
- (d) 4.5 m, 4.5 m*
- (e) 4.5 m, 10 m

(DGMS FCMC/COAL 2015)

1043. In no case the shotfirer shall be allowed to fire the maximum no. of shots with multi-shot exploder as given below:-

- (a) for degree-II or III seams shots,
- (b) for degree-I seams, shots
- (c) for opencast mine shots
- (a) (a) 120, (b) 60, (c) 40
- (b) (a) -80, (b) 100, (c) 120*
- (c) (a) 40, (b) 80, (c) 100
- (d) (a) 60. (b) 80, (c) 120
- (e) (a) 80. (b) 120, (c) 180

(DGMS FCMC/COAL 2015)

1044. The Owner, Agent or Manager shall provide SCSR to every person if travel time is more than 30min in below ground workings with SCSR of duration of

- (a) 30 min
- (b) 40 min
- (c) 45 min
- (d) 50 min
- (e) 60 min*

(DGMS FCMC/COAL 2015)

1045. Match the following:

Role

- (a) Manager
- (b) Assn. Manager
- (c) Safety Officer
- (d) Ventilation officer

Duties

- (a) organize safety weeks
- (b) ensure correct siting of auxiliary fan belowground
- (c) Inspection of mine workings at least 4 days in a week
- (d) To see that in the part of mine assigned to him all work is carried out in accordance with the provisions of the act
- (a) a1, b3, c2, d4
- (b) a3, b4, c1, d2*
- (c) a4, b3, c1, d2
- (d) a2, b2, c1, d4,
- (e) a3, b1, c4, d3

(DGMS FCMC/COAL 2015)

1046. Appropriate equipment shall be suitably placed in the mines for automatically disconnecting the supply to any part of the system, where a fault including earth fault occurs as fault current shall not be more than ——— Milliamp are in installation exceeding ——— V upto ——— V

- (a) 1000. 110 and 1000
- (b) 850.250 and 3300
- (c) 750, 250 and 1100*
- (d) 900, 220 and 500
- (e) 950, 550, 1100

(DGMS FCMC/COAL 2015)

1047. If the RMR of a Roof is 55, what should be the expected rock load?

- (a) 2 to 3 t/ m²*
- (b) 4 to 5 t/ m²
- (c) > 5 t/m²
- (d) 1 to 2 t/m²
- (e) < 1 t/m²

(DGMS FCMC/COAL 2015)

1048. Sampling for respirable airborne dust in an Longwall mine shall be done at — m outbye of the face in the intake airway, — m from the intake end of the face and — m inbye of the return end of the face

- (a) 10,10,10
- (b) 10,20,30
- (c) 30,10,10*
- (d) 30,20,10
- (e) 30,10,30

(DGMS FCMC/COAL 2015)

1049. Notice of intentional flooding shall be given to ———, RIM, and management of neighbouring mines. ——— Days prior to the flooding

- (a) GM, 7 days
- (b) DM, 7 days
- (c) CMD. 14 days
- (d) CIM, 14 days*
- (e) Director, 10 days

(DGMS FCMC/COAL 2015)

1050. What is Enterprise resource planning (ERP)?

- (a) Business management software that a company can use to collect royalty from business activities.

(b) Business management software that a company can use to collect, store, manage and interpret data from many business activities.*

(c) Business management software that a company can use to collect cess from many business activities.

(d) Business management software that a company can use to pay salaries to their employees

(e) Business management software that a company can use to develop soft ware for their business activities.

(DGMS FCMC/COAL 2015)

1051. Define Water Management.

(a) The activity of management of water resources through sewage or wastewater.

(b) The activity of planning, developing, distributing and optimum use of water resources under defined water polices and regulations which also includes treatment of drinking water, industrial water, sewage or wastewater.*

(c) The optimum use of water resources through management of water treatment plant.

(d) activity of management of rain water and its harnessing for drinking and cultivation purpose .

(e) The activity of distributing water resources like drinking water, industrial water.

(DGMS FCMC/COAL 2015)

1052. What is Sewage Treatment Plant?

(a) Mechanical process of treatment of rain water.

(b) Process in which mechanical components provide a process to treat sea water.

(c) Process in which mechanical components provide to help to break solids into a cleaner, more environmentally friendly effluent.*

(d) Process in which mechanical components provide to break solids to produce a waste which is not a environmental friendly effluent.

(e) Process in which mechanical components provide a process to break solids into gases and liberate into air.
(DGMS FCMC/COAL 2015)

1053. Define Inventory Management.

(a) It is a process in which every company builds up large quantity of spares for their use

(b) It is a process in which each company manufactures large no. of spares for their use

(c) It is a process in which each company manufactures large quantity of spares for marketing

(d) It is a process of ensuring that a company always has the required spares it needs on hand and keeps low stocks which in turn results low cost as possible.*

(e) It is a process of ensuring that each company always has required spares which it needs by establishing manufacturing unit itself and also supplies to others
(DGMS FCMC/COAL 2015)

1054. What is work study?

(a) It is a technique for carrying out study of operations being carried out for saving money

(b) It is a generic term for techniques, particularly method study and time study and defined as analysis of a specific job in an effort to find the most efficient method in terms of time and effort.*

(c) It is a generic term for establishing a method of work to save time and manpower

(d) It is a generic term for carrying out study to save materials and man hours for effecting cost to the company

(e) It is a process of ensuring that each company always has required spares which it needs by establishing manufacturing unit itself and also supplies to others
(DGMS FCMC/COAL 2015)

1055. How do you assess Internal rate of return?

(a) It is the interest rate at which the net present value of all the cash flows (both positive and negative) from a project or investment equal to zero.*

(b) It is the rate in which each company plans for invest their capital so that they always be in a profit mode

(c) It is the interest rate in which each company borrows money from banks and other fellow companies

(d) It is the interest rate in which capital was barrowed from overseas market for establishing a company

(e) Each company borrows capital investment from financial institutions and the rate of interest which it has to pay back to the lenders is called IRR
(DGMS FCMC/COAL 2015)

1056. Define EMP.

(a) An EMP is a site-specific plan developed only to ensure to protect land.

(b) An EMP is a site-specific plan developed only to ensure that all necessary measures are identified and implemented in order to protect forest .

(c) An EMP is a site-specific plan only to ensure that all necessary measures are taken and to protect water.

(d) An EMP is a site-specific plan developed to ensure that all necessary measures are identified and implemented in order to protect the environment and comply with environmental legislation.*

(e) An EMP is a site-specific plan developed only to protect the villages.
(DGMS FCMC/COAL 2015)

1057. A person is said to be not employed in the mine

(a) who works as a manager

(b) who works under appointment by the Manager

(c) who works in any office of the mine

(d) who works as a pump operator in a residential colony belonging to the mine*

(e) who works in siding with in premises of the mine

(DGMS SCMC/COAL 2015)

1058. For every mine where in more than _____persons are ordinarily employed, the owner. agent or manager shall constitute a safety committee.

(a) 100*

(b) 300

(c) 500

(d) 1000

(e) 1500

(DGMS SCMC/COAL 2015)

1059. For every mine employing more than _____persons on any day of the preceding calendar year there shall be provided a suitable First Aid Room.

(a) 100

(b) 150*

(c) 200

(d) 250

(e) 500

(DGMS SCMC/COAL 2015)

1060. For every mine employing more than _____ persons ordinarily there shall be provided a suitable shelter.

(a) 50*

(b) 75

(c) 100

(d) 150

(e) 200

(DGMS SCMC/COAL 2015)

1061. For every mine where in _____ or more persons are ordinarily employed, the owner, agent or manager shall appoint a suitable qualified person as Welfare officer

(a) 150

(b) 200

(c) 500*

(d) 600

(e) 700

(DGMS SCMC/COAL 2015)

1062. The floor area of the rest shelter shall not be less than_____ sq. m.

(a) 10

(b) 14*

(c) 15

(d) 20

(e) 25

(DGMS SCMC/COAL 2015)

1063. Registers of daily attendance of persons employed in Below ground workings shall be maintained in

(a) Form C*

- (b) Form D
 - (c) Form E
 - (d) form F
 - (e) Form-B
- (DGMS SCMC/COAL 2015)

1064. Persons of ____ years age shall not be deployed as apprentices or trainees except under supervision

- (a) 14-16
 - (b) 16-18*
 - (c) 15-18
 - (d) 14-18
 - (e) 18-20
- (DGMS SCMC/COAL 2015)

1065. Registers of leave with wages of every employee shall be maintained in

- (a) Form G & H*
 - (b) Form C & D
 - (c) Form A & B
 - (d) Form C & B
 - (e) Form B & D
- (DGMS SCMC/COAL 2015)

1066. Notice of commencement of any mining operation shall be given so as to reach the persons concerned at least _____ months before commencement of mining operations

- (a) 3
 - (b) 1*
 - (c) 6
 - (d) 2
 - (e) 12
- (DGMS SCMC/COAL 2015)

1067. Notice of abandonment shall be given when it is intended to abandon the mine for a period exceeding _____ days

- (a) 10
 - (b) 20
 - (c) 30
 - (d) 60*
 - (e) 40
- (DGMS SCMC/COAL 2015)

1068. Notice of accident shall be submitted to the concerned authorities within _____ of any such occurrence

- (a) 3 days

- (b) 15 days
 - (c) 24 hours*
 - (d) 48 hours
 - (e) 1 month
- (DGMS SCMC/COAL 2015)

1069. Every application for competency examinations shall be accompanied by the following certificates/documents except

- (a) Certificate of Age
 - (b) Certificate of Fitness
 - (c) Character Certificate
 - (d) Experience Certificate
 - (e) Domicile Certificate*
- (DGMS SCMC/COAL 2015)

1070. Authorization to act as a Manager of a mine shall have effect for a period not exceeding _____ except with previous consent in writing of CIM

- (a) 60 days
 - (b) 30 days*
 - (c) 90 days
 - (d) 1 year
 - (e) 45 days
- (DGMS SCMC/COAL 2015)

1071. Which of one of the following statements is incorrect:

In case of a fatal accident in a mine, the Manager must

- (a) inspect the site of accident
 - (b) notify to RIM
 - (c) conduct investigation himself*
 - (d) ensure that the place of accident is not disturbed
 - (e) get a plan of site of accident prepared
- (DGMS SCMC/COAL 2015)

1072. The Electrical Supervisor shall be appointed by

- (a) Manager*
 - (b) CMD of the company
 - (c) Engineer
 - (d) Director Personnel of the Company
 - (e) Central Government
- (DGMS SCMC/COAL 2015)

1073. A mine or part there of may be treated as naturally wet if the roadway dust sample

contain _____ or more of moisture by weight.

- (a) 10%
- (b) 15%
- (c) 20%
- (d) 5%
- (e) 30%*

(DGMS SCMC/COAL 2015)

1074. The thickness of ventilation stopping constructed of masonry or brickwork shall be _____cms in thickness

- (a) 20 cm
- (b) 15 cm
- (c) 25 cm*
- (d) 10 cm
- (e) 18 cm

(DGMS SCMC/COAL 2015)

1075. M.V.T. Rules 1966 shall not apply to the following persons

- (a) Timber man
- (b) Coal driller
- (c) Track Layers
- (d) Mine Managers*
- (e) Haulage attendants

(DGMS SCMC/COAL 2015)

1076. As per III schedule of V.T. Rules 1966, additional training for entrants to gassy mines shall be given for _____days

- (a) 3*
- (b) 2
- (c) 1
- (d) 0
- (e) Not required

(DGMS SCMC/COAL 2015)

1077. As per M.V.T. Rules 1966 every person holding a gas testing certificate shall once in _____ undergo a course of training as detailed in 8th schedule of M V T Rules 1966.

- (a) 5 years
- (b) 1 year*
- (c) 2 years
- (d) 3years
- (e) 4years

(DGMS SCMC/COAL 2015)

1078. Main Mechanical Ventilator of a mine shall be installed on the surface at a distance of not less than _____ from the opening of the shaft or incline

- (a) 10 m*
- (b) 8 m
- (c) 7 m
- (d) 5 m
- (e) 4 m

(DGMS SCMC/COAL 2015)

1079. _____ days' prior notice of installation of a booster fan shall be sent to _____

- (a) 15 & RIM
- (b) 15 & CIM
- (c) 7 & RIM*
- (d) 7 & CIM
- (e) 30 & RIM

(DGMS SCMC/COAL 2015)

1080. Auxiliary fan shall not be installed at a location unless the quantity of air available at that location is at least _____ the capacity of the auxiliary fan

- (a) double*
- (b) equal
- (c) half
- (d) one and half
- (e) three-fourth

(DGMS SCMC/COAL 2015)

1081. The following items are not considered as a part of personal protective equipment

- (a) Safety goggles
- (b) reusable ear plugs
- (c) visible harness
- (d) dust respirators
- (e) mobile phones*

(DGMS SCMC/COAL 2015)

1082. Which of the following statements is true- Auxiliary fan means

- (a) a forcing fan used in belowground*
- (b) forcing fan used in aboveground
- (c) a booster fan used in belowground
- (d) a booster fan used in aboveground
- (e) a main mechanical ventilator

(DGMS SCMC/COAL 2015)

1083. Which of the following is not an essential requirement of permitted explosives?

- (a) Approval by CIM
 - (b) Notified in official gazette
 - (c) Tested by approved laboratory
 - (d) To be used with an electronic detonator
 - (e) To be used with detonating fuse*
- (DGMS SCMC/COAL 2015)

1084. Which one of the following is not a notified disease under the provisions of Mines Act, 1952

- (a) Pneumoconiosis
 - (b) Silicosis
 - (c) Asbestosis
 - (d) Noise Induced Hearing Loss
 - (e) Tuberculosis*
- (DGMS SCMC/COAL 2015)

1085. Requirement of practical experience for candidates at any examination for First Class or Second Class shall not be less than _____ and _____ years respectively who does not possess any degree or diploma in mining engineering

- (a) 4 & 3
 - (b) 6 & 5*
 - (c) 2 & 1
 - (d) 5 & 4
 - (e) 3 & 2
- (DGMS SCMC/COAL 2015)

1086. Which of the following activities are not included as a function of Rescue Station

- (a) Imparting initial training in rescue & recovery
 - (b) Imparting refresher training to rescue trained person
 - (c) Providing support during rescue & recovery
 - (d) Carry out function of rescue room
 - (e) Imparting vocational training*
- (DGMS SCMC/COAL 2015)

1087. All unused workings connected to the surface through walkable entrance which is not permanently closed, shall once atleast in every _____ days be inspected by a competent person for signs of illicit distillation.

- (a) 45
 - (b) 90
 - (c) 40
 - (d) 30*
 - (e) 60
- (DGMS SCMC/COAL 2015)

1088. Which one of the following cannot be detected by flame safety lamp?

- (a) CO*
 - (b) CO₂
 - (c) O₂
 - (d) CH₄
 - (e) Black damp
- (DGMS SCMC/COAL 2015)

1089. The permissible concentration of air borne respirable dust containing 10% of free silica should be

- _____ mg/m³
- (a) 5
 - (b) 1.5*
 - (c) 3
 - (d) 2
 - (e) 6
- (DGMS SCMC/COAL 2015)

1090. Width of strip samples shall not be less than

- (a) 100 mm*
 - (b) 25 mm
 - (c) 50 mm
 - (d) 75 mm
 - (e) 60 mm
- (DGMS SCMC/COAL 2015)

1091. Height of extraction in single lift is restricted to 4.8m due to following reasons:

- (a) poor quality and paucity of long props
 - (b) difficulty in dressing and checking
 - (c) difficulty in supporting the roof
 - (d) difficulty in checking accumulation of gas
 - (e) higher rate of production*
- (DGMS SCMC/COAL 2015)

1092. The auxiliary fan shall be _____ with the switchgear controlling power supply to the in-by face equipment

- (a) Independent
- (b) Interlocked*